



2019
Product Catalogues



Ningbo Xinchao Automatization Component Co., Ltd.

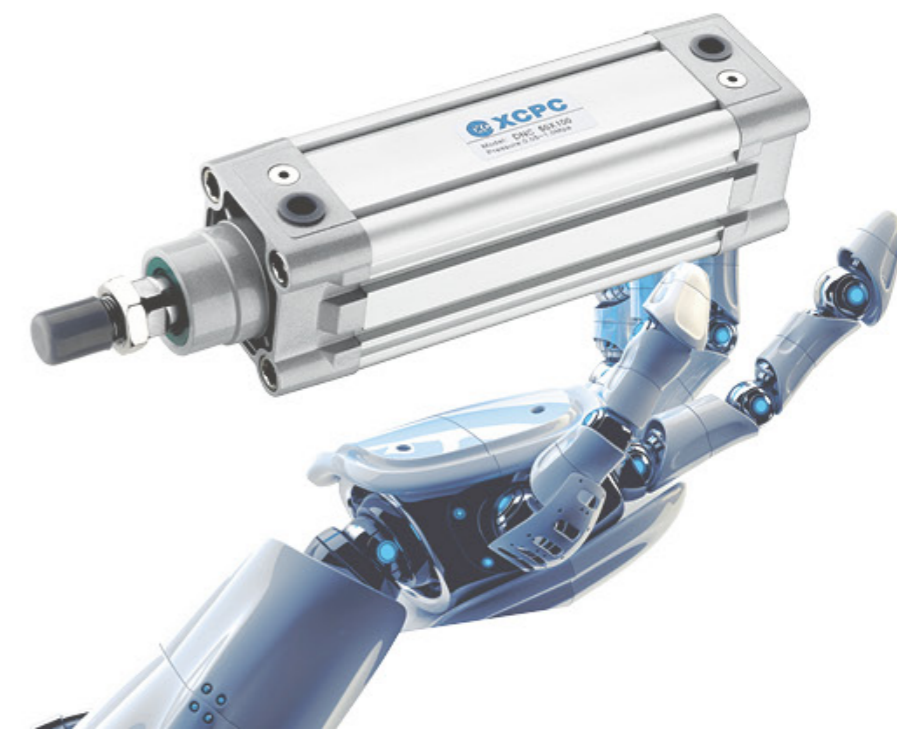
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XCPC **Spirit**

Automation field manufacturing
and R & D experts

Enhance competitiveness of XCPC brand,
explore the world market with XCPC brand,
keep improving the product quality and
service to reach the best.

Image **Text**

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Company Profile



28
Anniversary



310
On-the-job staff



112000000
Annual output value



Ningbo Xinchao Automatization Component Co.,Ltd was established in 1991, is a high-tech company specialized in pneumatic components manufacturing. At present, XPCPC has become one of the biggest pneumatic components manufacturing and exporting company in China. Specialized in producing Pneumatic cylinder, solenoid valve, Air source treatment, Pneumatic fittings, PU/PE/NY tubes etc. XPCPC has bought more first-class CNC machining center, from United States, Japan, Italy and other foreign countries like high-

speed automatic lathe, CNC machining, precision EDM, injection molding, stamping, die-casting and other various equipments. XPCPC not only have advanced processing equipments, but also equipped with a consummate testing facilities and strong technical support. Managed criterion in the production, quality, material management and so on, operates strictly according to the standards and process of international quality system.

The company has more than 300 employees, among them, 30% are professionals, the company has quality control Dept and R & D Dept. With the strong scientific and technological strength and rich professional experience. We can design, develop, and produce various kinds of pneumatic components and complete sets of equipment by ourselves. We Continue innovation, from product design to production, we improve better and better. The key seal kits and magnet of products are imported from Germany, Japan, Switzerland, Taiwan. Provide the customers with excellent performance products. Received recognition from customers come from more than 60 countries and regions with the excellent products and good service. In domestic and abroad enjoy high Visibility.

XPCPC has passed the ISO9001: 2000 international quality system certification advance in the pneumatic line, use computer network management system, first-class employee training center. XPCPC are moving to the the direction of modernization, Internationalization and Group.

Development History

<p>XCP C 1991 Factory founded</p>	<p>1995 800+ m2 28+ Staff 3+ NC Machinery</p>	<p>1997 "XCP C" brand founded</p>	<p>2001 Approved by ISO9001</p>	<p>2002 First year start export</p>	<p>2005 3000+ m2 R&D center founded 15+ NC Machinery</p>	<p>2009 6000+ m2 176+ Staff</p>	<p>2012 Professor researching center founded</p>	<p>2015 20000+ m2 300+ Staff 100+ NC Machinery</p>	<p>2019 Exporting to 100+ Countries XCP C agent in 41 countries</p>

Corporate Culture

25% **Our location**
To be the benchmark of automation industry

50% **Our philosophy**
Focus: focus on automation control industry
Sharing: sharing the achievement and high quality service with customers

75% **Our values**
Innovation creates value

100% **Our service**
Pre-sales: fast reaction to customers' needs and long term following up
After-sales: collect and analyze customers' feedback
Technics: Strong technical support for customized products.

XCP® Honor & Certificates

- China National High-tech Enterprise
- Famous Brand of Zhejiang Province
- Famous Branded Products of Ningbo
- Scientific & technological enterprise of Ningbo
- Ningbo enterprise R & D center
- Public Service Platform
- Famous Export Brand
- Professor researching center
- Top 10 Enterprise Comprehensive
- Switzerland SGS Certificate
- France Bureau Veritas Certificate
- CE、ISO9001





R & D Team

"Innovation creates future" is the motto of XPCPC forever, no innovation, no market.

XPCPC has a powerful R & D team which has independent design development and production of various types of pneumatic components & automation equipment, continuous innovation, keep improving from product design to production operations, providing excellent products and services for customers.



R&D Team

XPCPC cooperate with many famous universities, have attracted many professional and technical persons to join us.
 In 2012, automation engineer from Italy joined XPCPC R & D team
 In 2014, automation engineer from USA joined XPCPC R & D team
 In 2018, automation engineer from Canada joined XPCPC R & D team



R&D Power

Powerful science and technology
 Professional experience
 Excellent production and processing equipment
 A number of product invention and utility model patents



Technical Team



Providing a strong technical support, completing the formulation and implementation of product testing solutions
Responsible for technical exchanges with customers, understanding customer demand for testing products
Responsible for product promotion and market research
Help customers solve the problems when using products
To collect, process, feedback and track customer feedback on product usage
Writing technical documentation and training materials for test products



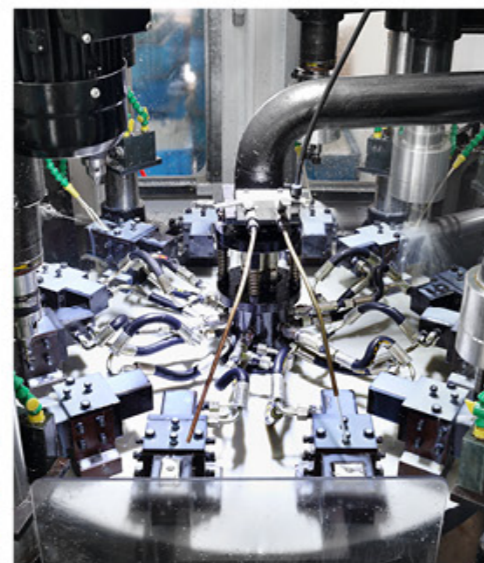
Production Capacity & Team

XCPC'S rapid development in recent years, in order to meet higher demands from customers around the world, we bought more advanced automation equipment and management philosophy, the more advanced parts machining and assembly technology, imported premier multi-platform machining from different countries:

- Full CNC machining center;
- High-speed automatic lathes;
- CNC machine tools machining;
- High-precision EDM.

XCPC are fighting to stand on the same starting line with the advanced international standard every day.

Provide customers with "high-precision, high efficiency, high-quality" product is the commitment we have promised.



Assembly and Warehouse



As an important segment of the complete production, high precise assembling is the key segment to guarantee the stable performance in tough production line, for this reason, we have set up a high standard assembling instruction for all the components for our products like cylinder, solenoid valve, air source treating unit etc.

Clean and tidy storing and high efficiency accessory pick up program is our main solution to lowest the mistakes, it is a strong guarantee of the production and shipping.



Product Inspection

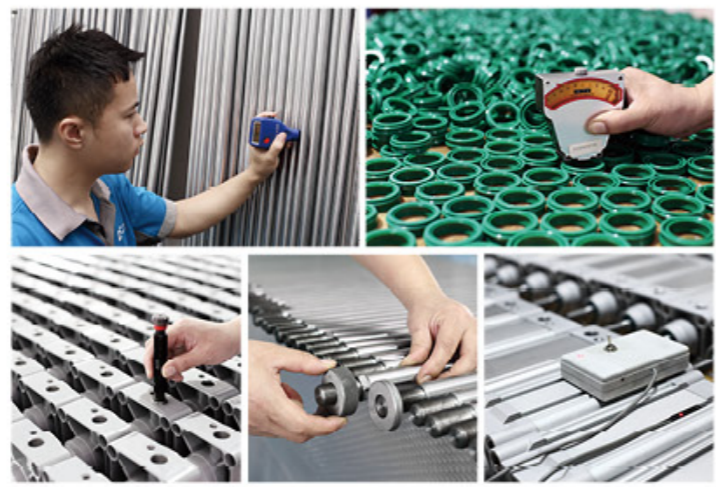
Provide customers with "high-precision, high efficiency, high-quality" product is the commitment XCPC have promised.



Product Testing



XCPC has established strict quality management system., With perfect testing facilities, from selection of raw materials to components testing, round after round of procedures are strictly checked, special examination, brief but an awareness in every aspect of production are fully reflected in the production, quality, materials, and other aspects of management standards, strictly process accordance with product design process, strictly manage accordance with the modern enterprise management philosophy to strengthen on-site management, strictly operate accordance with the provisions of international quality system and procedures.



The performance of air tightness is the key factor that decides the pneumatic component's lifespan, and finally determine the production cost in different industries, in order to guarantee all the components can endure the high strength task in production lines, XCPC uses seals and magnetic rings which are originally imported from Germany,

Japan, Switzerland, the United States, Taiwan. At the same time XCPC has made up a strict air tightness testing standard, every cylinder, air source treating unit and solenoid valve are tested before they work for our customers.

Service Features

XCPC has first-class training centre and well-trained sales staff



Professional

We have a wealth of professional experience



Good

We have good communication skills and affinity



First-class

We provide first-class services for customers



Analyze

We help customers analyze problem of products



Technical

We provide customers with detailed technical information





Global Sales Network

America market

- America
- Canada
- Mexico
- Brazil
- Columbia
- Peru
- Chile
- Argentina
- Guatemala
- Venezuela
- Bolivia
- Honduras
- Dominica
- Canada
- Ecuador
- Salvador
- Nicaragua
- Panama

Asia market

- Korea
- Japan
- Thailand
- Malaysia
- Singapore
- Indonesia
- India
- Iran
- Turkey
- Taiwan
- Vietnam
- Jordan
- Qatar
- Myanmar
- Oman
- Lebanon
- Yemen
- Bangladesh
- Philippines
- Israel
- Kuwait
- Syria
- Saudi Arabia
- United Arab Emirates
- Sri Lanka
- Pakistan
- Uzbekistan
- Armenia
- Georgia
- Iraq

Europe market

- Germany
- Italy
- Netherlands
- Britain
- Spain
- Lithuania
- Ukraine
- Hungary
- Moldova
- Serbia
- Poland
- Switzerland
- Finland
- Portugal
- Czech Republic
- Slovenia
- Bulgaria
- Ireland
- Greece
- Belarus
- Russia
- Malta
- Cyprus
- Romania
- Latvia
- Bosina and Herzegovina

Africa market

- Morocco
- Sultan
- Mali
- Algeria
- Kenya
- South Africa
- Egypt
- Tunisia
- Nigeria
- Zimbabwe
- Mozambique
- Libya
- Senegal
- Cotedivoire

Oceania market

- New Zealand
- Fiji
- Australia

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Standard Cylinders

Standard cylinder is composed of Front &End Cover, Barrel, Piston, Piston Rod and Seal Rings, which is most regular pneumatic cylinder. XCPC manufactured standard cylinder for over 20 years, it became to be the leader in this filed in China. The bore range is from 32mm to 320mm. Our standard cylinder include: DNC(ISO6431, VDMA24562,)DNG(SO15552),SI(506431) SC/SU, MB,CA2(Japanese Standard). we can also produce specialized cylinder according to customer's requirement.



DNC Series ISO15552 Standard Cylinder

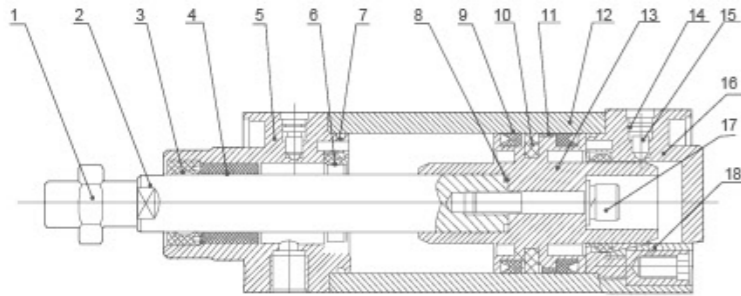


Ordering Code

DNC 50 × 100 - 25 - S -

Tube Type	Series Code	Cylinder Bore	Stroke	Adjust Stroke	Magnet Code	Fixed Type
Blank: Square Type T: Tie-rod Type M: Mickey Mouse Type	DNC: ISO15552 Standard Double Action Type DNT: ISO15552 Standard With Mickey Mouse (Groove) Tube DNCD: ISO15552 Standard Two Axis Double Action Type DNCJ: ISO15552 Two Axis Stroke Adjust Type	32mm-125mm	25: 25mm 50: 50mm 75: 75mm	25: 25mm 50: 50mm 75: 75mm	Blank: Without Magnet S: With Magnet	Blank: Normal Type LB: Front and back fixed type FA: Front cover fixed type (Front flange type) FB: Back cover fixed type (Back flange type) CA: Back cover fixed type (Single earring) CB: Back cover fixed type (Double earring) SDB: Back cover fixed type

Internal structure



NO	Designation	NO	Designation
1	Piston Rod Nut	2	Piston Rod
3	Front Cover Seal Ring	4	Bearing
5	Front Cover	6	Buffering O-Ring
7	O-Ring	8	Piston rod O-Ring
9	Piston O-Ring	10	Magnet (Optional)
11	Wear Ring	12	Barrel
13	Piston	14	Cushion Seal
15	Cushion Needle	16	Back Cover
17	Hex Socket Screw	18	Profile Bolt

Specification

Bore (mm)	32	40	50	63	80	100	125
Motion Pattern	Double Action						
Working Medium	Filtered Air						
Compression Pressure	1.5MPa						
Max. Operating Pressure	1.0MPa						
Min. Operating Pressure	0.1MPa						
Buffer	Air Buffer (Standard)						
Condition Temperature	-5~70°C						
Operating Speed	50~800mm/s						
Port Size	G1/8"	G1/4"	G3/8"	G1/2"			

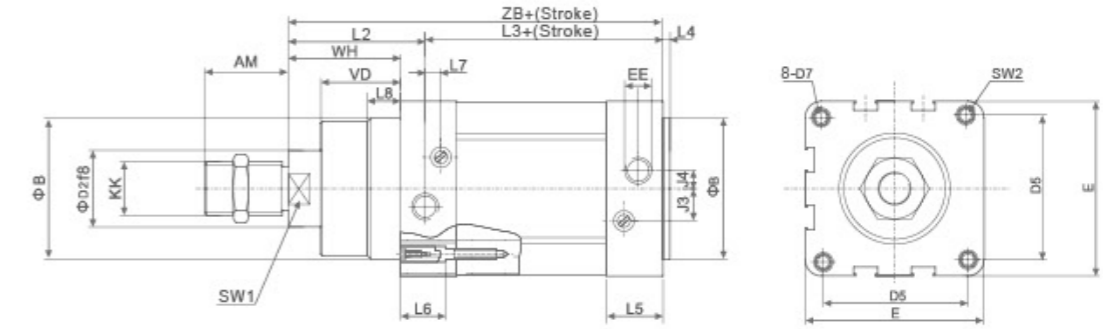
Stroke

Bore	Standard Stroke	Buffer Stroke	Stroke Range
32		20	10~2000
40		22	
50	25 40 50 80 100 125	22	
63	160 200 250 320 400	22	
80	500	32	
100		32	
125		35	

DNC Series ISO15552 Standard Cylinder

Overall Dimensions

Normal Type
DNC-S

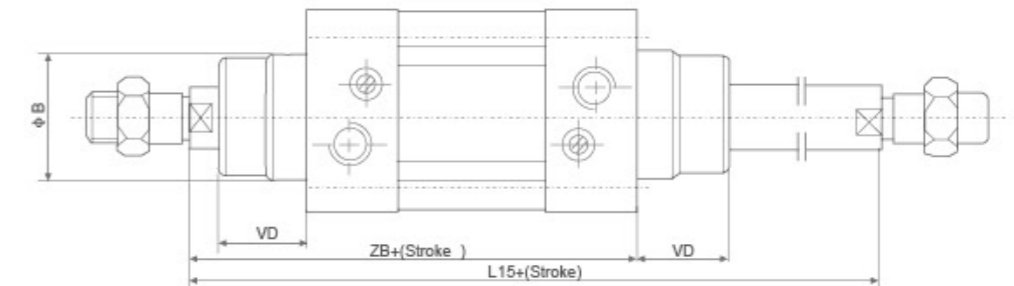


Dimension Sheet

Bore	AM	B	D2	D5	D7	E	EE(G)	J3	J4	KK	L2	L3	L4	L5	L6	L7	L8	SW1	SW2	VD	WH	ZB
32	22	30	12	32.5	M6	45	1/8	6	5.2	M10x1.25	40	80	4	26	22	3.3	8	10	6	16	26	120
40	24	35	16	38	M6	54	1/4	8	6	M12x1.25	46	89	4	29.6	22	3.6	10	13	6	20	30	135
50	32	40	20	46.5	M8	64	1/4	10	8.5	M16x1.5	54	90	4	30	22	5.1	10	17	8	27	37	144
63	32	45	20	56.5	M8	75	3/8	12.4	10	M16x1.5	57	101	4	35.5	22	6.6	10	17	8	27	37	158
80	40	45	25	72	M10	93	3/8	12.5	8	M20x1.5	65	109	4	36	25	10.5	10	22	10	34.5	46	174
100	40	55	25	89	M10	110	1/2	11.8	10	M20x1.5	71	118	4	39	25	8	12.5	22	10	38	51	189
125	54	60	32	110	M12	134	1/2	13	8	M27x2	95	128	6	44.7	30	14	12.5	28	12	46	65	223

Overall Dimensions

Double Piston Rod Type
DNC-D-S



Dimension Sheet

Bore	32	40	50	63	80	100	125
B	30	35	40	45	45	55	60
L15	146	165	182	194	220	240	298
VD	16	20	27	27	34.7	38.2	46
ZB	120	135	144	158	174	189	223

DNCB Series Booster Cylinder



Specification

Working Medium	Filtered Air
Compression Pressure	1.5MPa
Max. Operating Pressure	1.0MPa
Min. Operating Pressure	0.1MPa
Condition Temperature	-5~70°C

Product instruction

Booster cylinder combine 2 or more ISO15552 standard cylinder with the same bore and stroke, Create twice or multiple force as standard cylinder. The connection of 2 or more cylinders are linked with the same material Compact structure and easy for installation.

DNG Series ISO15552 Standard Cylinder



DNG 200 x 100-S



DNG 250 x 200-S

Ordering Code

DNG × **160** × **100** - **25** - **S** - □

Series Code
DNG:ISO15552 Standard Double Action Type
DNGD:ISO15552 Standard Two Axis Double Action Type
DNGJ:ISO15552 Two Axis Stroke Adjust Type

Cylinder Bore
160mm-320mm

Stroke
25: 25mm
50: 50mm
75: 75mm

Adjust Stroke

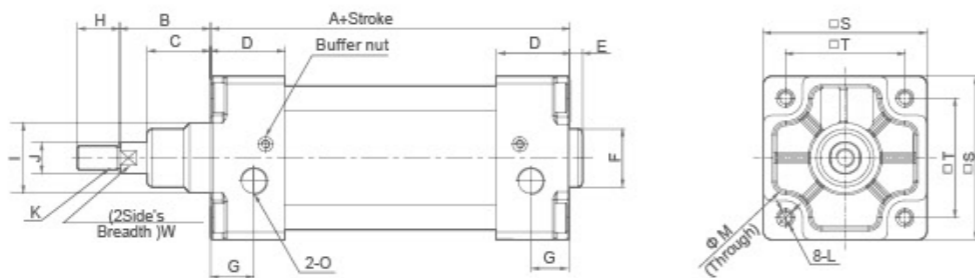
Magnet Code
Blank: Without Magnet
S: With Magnet

Fixed Type
Blank:Normal type
LB:Front and back fixed type
FA:Front cover fixed type(Front flange type)
FB:Back cover fixed type(Back flange type)
CA:Back cover fixed type (Single earring)
CB:Back cover fixed type(Double earring)

Specification

Bore(mm)	160	200	250	320
Motion Pattern	Double Action			
Working Medium	Air			
Fixed Type	Normal type FA type FB type CA type CB type LB type TC type			
Working Pressure Range	0.1~1.0MPa			
Ensured Pressure Resistance	1.5MPa			
Operating Temperature Range	-5~60℃			
Operating Speed Range	50~500mm/s			
Buffer Type	Adjustable Buffer			
Port Size	G3/4"		G1"	
Lubrication	Not required (Use Turbine oil ISO Vg32 when necessary)			

Overall Dimensions



Dimension Sheet

Bore/Symbol	A	B	C	D	E	F	G	H	I	J	K	L	M	S	T	O
160	180	80	60	50	6	Φ65	25	72	Φ65	40	M36x2	M16	Φ25 dp30	180	140	G3/4"
200	180	95	70	50	6	Φ75	25	72	Φ75	40	M36x2	M16	Φ25 dp30	220	175	G3/4"
250	200	105	67	52	10	Φ90	31	84	Φ90	50	M42x2	M20	Φ30	270	220	G1"
320	218	120	82	52	10	Φ110	31	96	Φ110	63	M48x2	M24	Φ34	340	270	G1"

SI Series ISO6431 Standard Cylinder



SI 50X100



SIJ 50X100-25

Ordering Code

SI × **50** × **50** - **25** - **S** - □

Series Code
SI:ISO6431 Standard Double Action Type
SID:ISO6431 Standard Two Axis Double Action Type
SIJ:ISO6431 Two Axis Stroke Adjust Type

Cylinder Bore
32mm-200mm

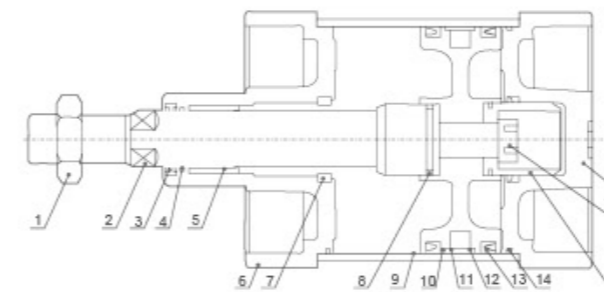
Stroke
25: 25mm
50: 50mm
75: 75mm

Adjust Stroke

Magnet Code
Blank: Without Magnet
S: With Magnet

Fixed Type
Blank:Normal type
LB:Front and back fixed type
FA:Front cover fixed type(Front Flange Type)
FB:Back cover fixed type(Back Flange Type)
CA:Back cover fixed type (Single Earring)
CB:Back cover fixed type(Double Earring)
TC:Central trunnion type
TC-M:Central trunnion type attaching foot seat

Internal structure



NO	Designation	NO	Designation
1	Piston Rod Nut	10	Piston
2	Piston rod	11	Wearing
3	Front cover seal ring	12	Magnet(Optional)
4	O-Ring	13	Piston O-Ring
5	Bearing	14	Pipe wall O-Ring
6	Front cover	15	Damping
7	Buffering O-Ring	16	Hex socket screw
8	Piston rod O-Ring	17	Back cover
9	Barrel		

Specification

Bore(mm)	32	40	50	63	80	100	125	160	200
Motion Pattern	Double Action								
Working Medium	Air								
Fixed Type	Normal type FA type FB type CA type CB type LB type TC type								
Working Pressure Range	0.1~0.9MPa								
Ensured Pressure Resistance	1.35MPa								
Operating Temperature Range	-5~70℃								
Operating Speed Range	50~800mm/s								
Buffer Type	Adjustable Buffer								
Buffer Stroke				24			32		
Port Size	G1/8"		G1/4"		G3/8"		G1/2"		G3/4"

SI Series ISO6431 Standard Cylinder

Cylinder theory output

Cylinder inside Diameter	External Diameter of Piston Rod	Motion Pattern	Compression Area(cm ²)	Air Pressure(kgf/cm ²)								
				1	2	3	4	5	6	7	8	9
32	12	Double Action Press Side	8.04	8.04	16.08	24.12	32.16	40.20	48.24	56.28	64.32	72.36
		Pull Side	6.90	6.90	13.80	20.07	27.60	34.50	41.40	48.30	55.20	62.10
40	16	Double Action Press Side	12.56	12.56	25.12	37.68	50.24	62.80	75.36	87.92	100.24	113.04
		Pull Side	10.55	10.55	21.10	31.65	42.20	52.75	63.30	73.85	84.40	94.95
50	20	Double Action Press Side	19.63	19.63	39.26	58.89	78.52	98.15	117.78	137.41	157.04	176.67
		Pull Side	16.49	16.49	32.98	49.47	65.96	82.45	98.94	115.43	131.92	148.41
63	20	Double Action Press Side	31.17	31.17	62.34	93.51	124.68	155.85	187.02	218.19	249.36	290.53
		Pull Side	28.03	28.03	56.06	84.09	112.12	140.15	168.18	196.21	224.24	252.27
80	25	Double Action Press Side	50.26	50.26	100.52	150.70	201.04	251.30	301.56	351.82	402.08	452.34
		Pull Side	45.36	45.36	90.72	136.08	181.44	226.80	272.16	317.52	362.88	408.24
100	25	Double Action Press Side	78.53	78.53	157.06	235.59	314.12	392.65	471.18	549.71	628.24	706.77
		Pull Side	71.47	71.47	142.94	214.41	285.88	357.35	428.82	500.29	571.76	643.23
125	32	Double Action Press Side	122.72	122.72	245.44	368.16	490.88	613.60	736.32	859.04	981.76	1104.48
		Pull Side	114.68	114.68	229.36	344.04	458.72	573.40	688.08	802.76	917.44	1032.12
160	40	Double Action Press Side	201.06	201.06	402.12	603.18	804.24	1005.3	1206.36	1407.42	1608.48	1809.54
		Pull Side	188.49	188.49	376.98	565.47	753.96	942.45	1130.94	1319.43	1507.92	1696.41
200	40	Double Action Press Side	314.16	314.16	628.32	942.48	1256.64	1570.80	1884.96	2199.12	2513.28	2827.44
		Pull Side	301.57	301.57	603.14	904.71	1206.28	1507.80	1809.42	2100.99	2412.56	2714.13

Stroke

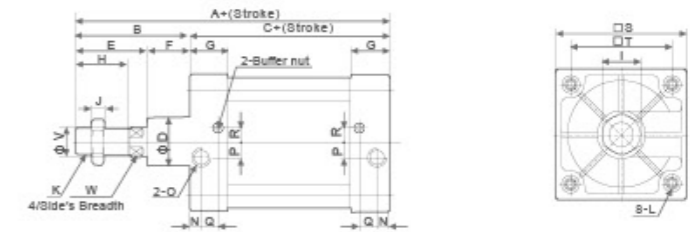
Bore(mm)	Standard Stroke	Max.Stroke	Permissible Stroke
32	25 50 75 80 100 125 160 175 200 250 300 350 400 450 500	1000	2000
40	25 50 75 80 100 125 160 175 200 250 300 350 400 450 500 600 700 800	1200	2000
50	25 50 75 80 100 125 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1200	2000
63	25 50 75 80 100 125 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	2000
80	25 50 75 80 100 125 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	2000
100	25 50 75 80 100 125 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	2000
125	25 50 75 80 100 125 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	2000
160	25 50 75 80 100 125 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	2000
200	25 50 75 80 100 125 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	1500	2000

If you need special stroke, please Tell us, we can make according your require.

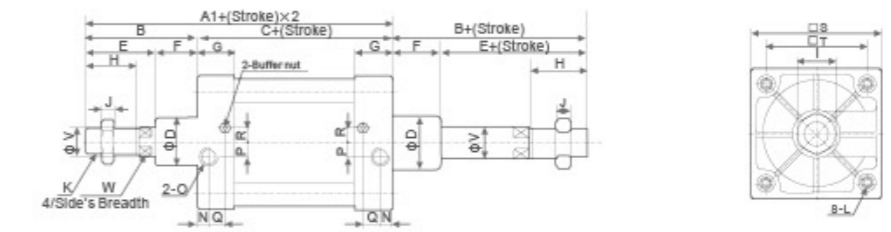
SI Series ISO6431 Standard Cylinder

Overall Dimensions

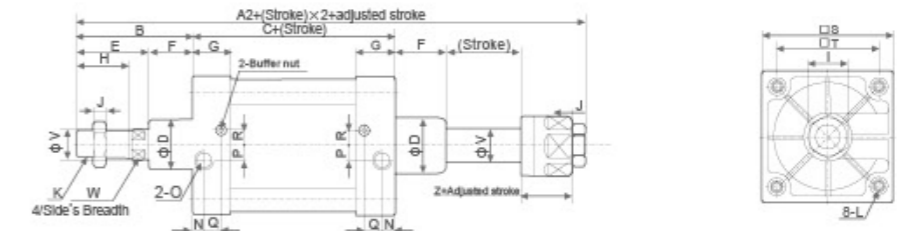
SI



SID



SIJ



Dimension Sheet

Bore/Symbol	A	A1	A2	B	C	D	E	F	G	H	I	J	K	L
32	142	190	185	48	94	30	32	16	27.5	22	17	6	M10×1.25	M6
40	159	213	205	54	105	35	36	18	29	24	19	7	M12×1.25	M6
50	175	244	231	70	105	40	45	25	30	32	24	8	M16×1.5	M8
63	190	259	245	70	120	45	46	24	31	32	24	8	M16×1.5	M8
80	214	300	283	86	128	45	56	30	35	40	30	10	M20×1.5	M10
100	227	316	298	89	138	55	57	32	36	40	30	10	M20×1.5	M10
125	278	396	368	118	160	60	73	45	46	54	41	10	M27×2	M12
160	332	484	448	152	180	65	94	58	50	72	55	18	M36×2	M16
200	337	494	452	157	180	75	100	51	51	72	55	18	M36×2	M16

Bore/Symbol	N	O	P	Q	R	S	T	V	W	Z
32	13.5	G1/8"	4	7.5	7	47	32.5	12	10	21
40	16	G1/4"	6	8.5	9	53	38	16	13	21
50	15.5	G1/4"	8.5	7.5	7.5	65	46.5	20	17	23
63	16.5	G3/8"	7.5	8.5	9	75	56.5	20	17	23
80	16.5	G3/8"	11	8.5	13.5	95	72	25	22	29
100	18.5	G1/2"	13.5	9.5	14.5	115	89	25	22	29
125	23	G1/2"	14	12	14	140	110	32	28	35
160	25	G3/4"	15	12	20	180	140	40	36	40
200	25	G3/4"	15	12	20	220	175	40	36	40

SC/SU Series Standard Cylinder



SC 50 x 100

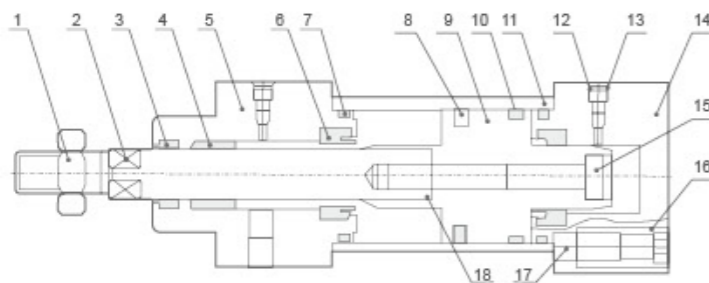
SU 50 x 100

SCJ 50 x 100-25

Ordering Code

SC × **50** × **50** - **25** - **S** - □
Series Code SC:Standard double Action(Tie-rod Type) 32mm-200mm
 SCD:Double-shaft Double Action (Tie-rod Type)
 SCJ:Double Axis Double Acting Adjustable Type(Tie-rod Type)
 SU:Standard Double Acting (Micky Mouse Type)
Cylinder Bore 32mm-200mm
Stroke 25:25mm
 50:50mm
 75:75mm
Adjust Stroke
Magnet Code Blank:Without Magnet
 S:With Magnet
Fixed Type Blank:Normal type
 LB:Front and fack fixed type
 FA:Front cover Fixed type(Front flange type)
 FB:Back cover Fixed type(Back flange type)
 CA:Back cover Fixed type (Single earring)
 CB:Back cover Fixed type(Double earring)
 TC:Central trunnion Type
 TC-M:Central trunnion type attaching foot seat

Internal structure



NO	Designation	NO	Designation
1	Piston Rod Nut	10	Wear Ring
2	Piston rod	11	Barrel
3	Front cover seal ring	12	Buffering Barrel o-ring
4	Bearing	13	Damping adjustable screw
5	Front cover	14	Back cover
6	Buffering o-ring	15	Hex socket screw
7	Pipe wall o-ring	16	Tie Rod Nut
8	Piston o-ring	17	Tie rod
9	Piston	18	Piston rod o-ring

Specification

Bore(mm)	32	40	50	63	80	100	125	160	200
Motion Pattern	Double Action								
Working Medium	Air								
Fixed Type	Basic type FA type FB type CA type CB type LB type TC type TC-M type								
Operating Pressure Range	0.1~0.9kgf/cm ²								
Ensured Pressure Resistance	1.35MPa								
Operating Temperature Range	-5~70℃								
Operating Speed Range	300~800mm/s								
Buffer Type	Adjustable Buffer								
Buffer Stroke	24				32				
Port Size	G1/8"	G1/4"	G3/8"	G1/2"	G3/4"				

■ SCD,SCJ Fixed Type:FA,FB,LB,TC & TC-M Type.

SC/SU Series Standard Cylinder

Cylinder theory output

Cylinder inside Diameter	External Diameter of Piston Rod	Motion Pattern	Compression Area(cm ²)	Air Pressure(kgf/cm ²)									
				1	2	3	4	5	6	7	8	9	
32	12	Double Action	Press Side	8.04	8.04	16.08	24.12	32.16	40.20	48.24	56.28	64.32	72.36
			Pull Side	6.90	6.90	13.80	20.07	27.60	34.50	41.40	48.30	55.20	62.10
40	16	Double Action	Press Side	12.56	12.56	25.12	37.68	50.24	62.80	75.36	87.92	100.24	113.04
			Pull Side	10.55	10.55	21.10	31.65	42.20	52.75	63.30	73.85	84.40	94.95
50	20	Double Action	Press Side	19.63	19.63	39.26	58.89	78.52	98.15	117.78	137.41	157.04	176.67
			Pull Side	16.49	16.49	32.98	49.47	65.96	82.45	98.94	115.43	131.92	148.41
63	20	Double Action	Press Side	31.17	31.17	62.34	93.51	124.68	155.85	187.02	218.19	249.36	290.53
			Pull Side	28.03	28.03	56.06	84.09	112.12	140.15	168.18	196.21	224.24	252.27
80	25	Double Action	Press Side	50.26	50.26	100.52	150.70	201.04	251.30	301.56	351.82	402.08	452.34
			Pull Side	45.36	45.36	90.72	136.08	181.44	226.80	272.16	317.52	362.88	408.24
100	25	Double Action	Press Side	78.53	78.53	157.06	235.59	314.12	392.65	471.18	549.71	628.24	706.77
			Pull Side	71.47	71.47	142.94	214.41	285.88	357.35	428.82	500.29	571.76	643.23
125	32	Double Action	Press Side	122.72	122.72	245.44	368.16	490.88	613.60	736.32	859.04	981.76	1104.48
			Pull Side	114.68	114.68	229.36	344.04	458.72	573.40	688.08	802.76	917.44	1032.12
160	40	Double Action	Press Side	201.06	201.06	402.12	603.18	804.24	1005.3	1206.36	1407.42	1608.48	1809.54
			Pull Side	188.49	188.49	376.98	565.47	753.96	942.45	1130.94	1319.43	1507.92	1696.41
200	40	Double Action	Press Side	314.16	314.16	628.32	942.48	1256.64	1570.80	1884.96	2199.12	2513.28	2827.44
			Pull Side	301.57	301.57	603.14	904.71	1206.28	1507.80	1809.42	2100.99	2412.56	2714.13

Stroke

Bore(mm)	Standard Stroke															Max.Stroke	Permissible Stroke					
32	25	50	75	80	100	125	160	175	200	250	300	350	400	450	500	1000	2000					
40	25	50	75	80	100	125	160	175	200	250	300	350	400	450	500	600	700	800	1200	2000		
50	25	50	75	80	100	125	160	175	200	250	300	350	400	450	500	600	700	800	900	1000	1200	2000
63	25	50	75	80	100	125	160	175	200	250	300	350	400	450	500	600	700	800	900	1000	1500	2000
80	25	50	75	80	100	125	160	175	200	250	300	350	400	450	500	600	700	800	900	1000	1500	2000
100	25	50	75	80	100	125	160	175	200	250	300	350	400	450	500	600	700	800	900	1000	1500	2000
125	25	50	75	80	100	125	160	175	200	250	300	350	400	450	500	600	700	800	900	1000	1500	2000
160	25	50	75	80	100	125	160	175	200	250	300	350	400	450	500	600	700	800	900	1000	1500	2000
200	25	50	75	80	100	125	160	175	200	250	300	350	400	450	500	600	700	800	900	1000	1500	2000

SCT Series Multi-Position/Booster Cylinder



SCT 100 x 60 x 100

Specification

Working Medium	Air
Operating Temperature Range	0.1~0.9kgf/cm ²
Ensured Pressure Resistance	1.35Mpa
Operating Temperature Range	-5~70℃

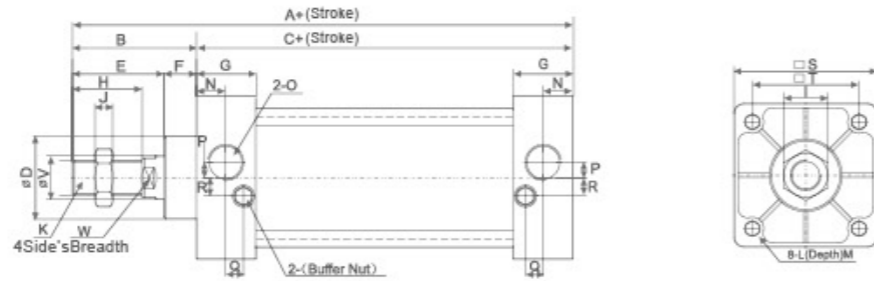
Product instruction

Booster cylinder combine 2 or more standard cylinder with the same bore and stroke, Create twice or multiple force as standard cylinder. The connection of 2 or more cylinders are linked with the same material Compact structure and easy for installation.

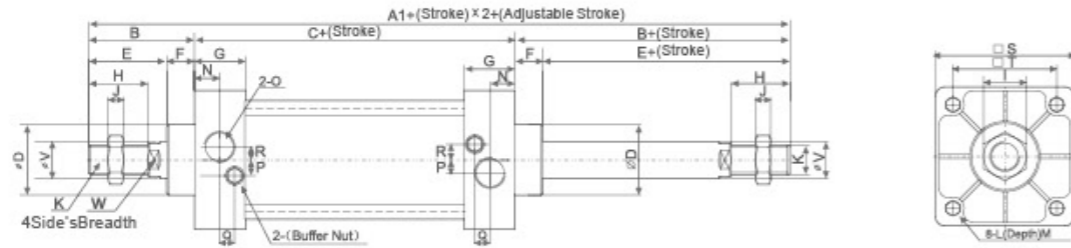
SC/SU Series Standard Cylinder

Overall Dimensions

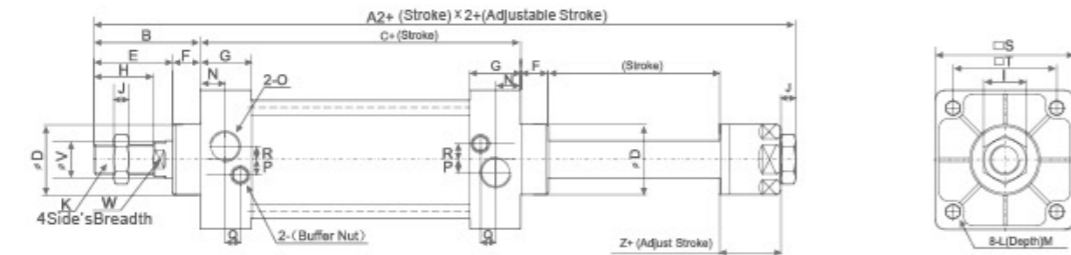
SC



SCD



SCJ



Dimension Sheet

Bore/Symbol	A	A1	A2	B	C	D	E	F	G	H	I	J	K
32	140	187	182	47	93	28	32	15	27.5	22	17	6	M10x1.25
40	142	191	185	48	93	32	34	15	27.5	24	17	7	M12x1.25
50	150	207	196	57	93	36	42	15	27.5	32	23	8	M16x1.5
63	153	210	199	57	96	36	42	15	27.5	32	23	8	M16x1.5
80	183	258	242	75	108	47	54	21	33	40	26	10	M20x1.5
100	183	258	248	75	108	47	54	21	33	40	26	10	M20x1.5
125	239	342	363	104	136	56	71	32	40	54	36	10	M27x2
160	289	412	450	121	166	65	93	30	50	72	50	16	M36x2
200	337	494	451	132	180	75	100	57	50	72	50	16	M36x2

Bore/Symbol	L	M	N	O	P	Q	R	S	T	V	W	Z
32	M6x1	9.5	13.7	G1/8"	3.5	7.5	7	45	33	12	10	21
40	M6x1	9.5	13.5	G1/4"	6	8.2	9	50	37	16	14	21
50	M8x1	9.5	13.5	G1/4"	8.5	8.2	9	62	47	20	17	23
63	M8x1.25	9.5	13.5	G3/8"	7	8.2	8.5	75	56	20	17	23
80	M10x1.5	11.5	16.5	G3/8"	10	9.5	14	94	70	25	22	29
100	M10x1.5	11.5	16.5	G1/2"	11	9.5	14	112	84	25	22	29
125	M12x1.75	21	16.5	G1/2"	/	/	/	140	4110	32	28	33
160	M16x2	25	26	G3/4"	/	/	/	180	140	40	36	38
200	M16x2	25	22.5	G3/4"	/	/	/	220	175	40	42	42

MB Series Standard Cylinder(Japanese standard)

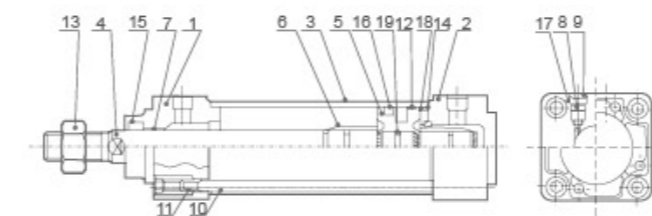


Ordering Code

MB × **50** × **50** - **S** - □
 Series Code: Japanese standard, Double Action Type
 Cylinder Bore: 32mm-100mm
 Stroke: 50mm
 Magnet Code: S (With Magnet)
 Fixed Type: □ (Basic type)

MB 50 x 100

Internal structure



NO	Designation	NO	Designation	NO	Designation
1	Front cover	6	Buffer ring	11	Tie rod nut
2	Back Cover	7	Bearing	12	Wear ring
3	Barrel	8	Cushion Screw	13	Piston rod nut
4	Piston rod	9	Cushion Seal	14	Buffer seal ring
5	Piston	10	Tie rod	15	Piston O-ring

Specification

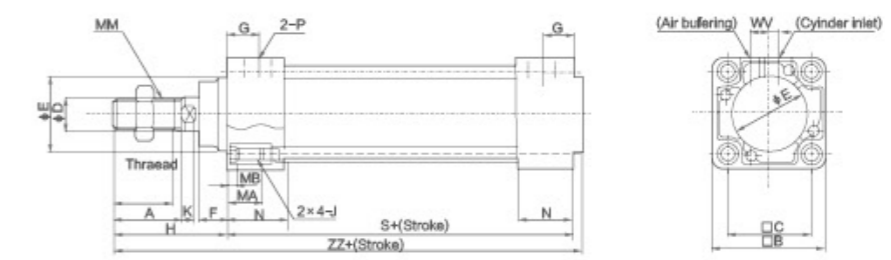
Cylinder Diameter	32	40	50	63	80	100
Working Medium	Air					
Action Type	Double acting					
Proof Pressure	15.3kgf/cm ² (1.5Mpa)					
Max.Pressure	10.2kgf/cm ² (1.0Mpa)					
Min.Pressure	0.5kgf/cm ² (0.05Mpa)					
Environment and Fluid Temp	-10~+60℃					
Piston Velocity	50~1000mm/s					
Buffering	Air buffering					
Stroke Tolerance	0~250 ⁺¹⁰ ₀ , 251~1000 ⁺¹⁴ ₀ , 1001~1500 ⁺¹⁸ ₀					
Rc(PT)Joint size	G1/8"	G1/4"	G3/8"	G1/2"		

Stroke

Bore	Standard Stroke
32	25,50,75,100,125,150,175,200,250,300,350,400,450,500
40	25,50,75,100,125,150,175,200,250,300,350,400,450,500
50	25,50,75,100,125,150,175,200,250,300,350,400,450,500,600
63	25,50,75,100,125,150,175,200,250,300,350,400,450,500,600
80	25,50,75,100,125,150,175,200,250,300,350,400,450,500,600,700,750
100	25,50,75,100,125,150,175,200,250,300,350,400,450,500,600,700,750

Overall Dimensions

MB SeriesΦ32~Φ200



Dimension Sheet

Bore/Symbol	Stroke range	Thread Length Available	A	□B	□C	ΦD	ΦE	F	G	MA	MB	J	K	MM	N	P	S	V	W	H	ZZ
32	~500	19.5	22	46	32.5	12	30	13	13	16	4	M6x1.0	6	M10x1.25	27	1/8	84	4	6.5	47	135
40	~500	27	30	52	38	16	35	13	14	16	4	M6x1.0	6	M14x1.5	27	1/4	84	4	9	51	139
50	~600	32	35	65	46.5	20	40	14	15.5	16	5	M8x1.25	7	M18x1.5	31.5	1/4	94	5	10.5	58	156
63	~600	32	35	75	56.5	20	45	14	15.5	16	5	M8x1.25	7	M18x1.5	31.5	3/8	94	9	12	58	156
80	~750	37	40	95	72	25	45	20	19	16	5	M10x1.5	10	M22x1.5	38	3/8	114	11.5	14	72	190
100	~750	37	40	114	89	30	55	20	19	16	5	M10x1.5	10	M26x1.5	38	1/2	114	17	15	72	190

CA2 Series Standard Cylinder



Ordering Code

CA2

Series Code
CA2B: Normal Type
CDA2B: Attach Magnet Type

40

Cylinder Bore
40mm-100mm

×

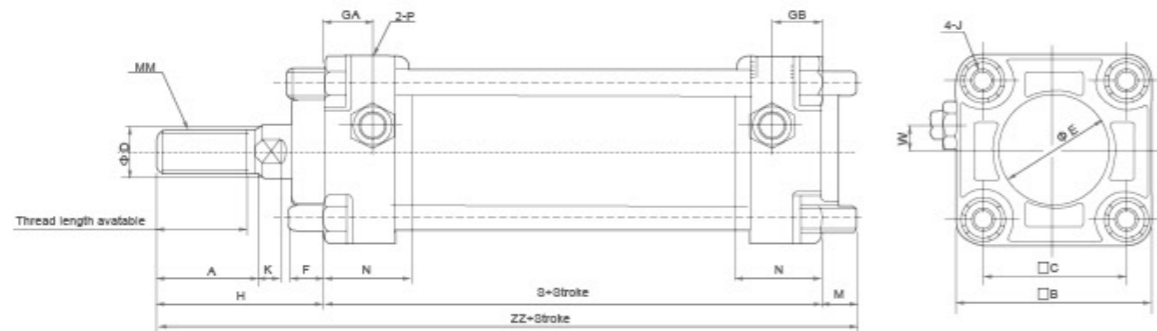
100

Stroke

Specification

Bore(mm)	40	50	63	80	100
Working Medium	Air				
Motion Pattern	Double action Type				
Ensured Pressure Resistance	15.3kgf/cm ² (1.5Mpa)				
Max.pressure	10.2kgf/cm ² (1.0Mpa)				
Min.pressure	0.5kgf/cm ² (0.05Mpa)				
Operating Temperature Range °C	5~+60°C				
Operating Speed Range	50~500mm/s				
Buffering	Air buffering				
Margin of Stroke Error(mm)		~0-250 ⁺¹⁰ ₀	251~1000 ^{+1.4} ₀	1001~1500 ^{+1.8}	
Port size	G1/4"	G3/8"	G3/8"	G1/2"	G1/2"

Overall Dimensions



Dimension Sheet

Bore/Symbol	Stroke range	Thread Length Available	A	□B	□C	ΦD	ΦE	F	GA	GB	J	K	M	MM	N	P	S	W	H	ZZ
40	~500	27	30	60	44	16	32	10	15	15	M8×1.25	6	11	M14×1.5	27	1/4	84	8	51	146
50	~600	32	35	70	52	20	40	10	17	17	M8×1.25	7	11	M18×1.5	27	3/8	90	0	58	159
63	~600	32	35	85	64	20	40	10	17	17	M10×1.25	7	14	M18×1.5	31	3/8	98	0	58	170
80	~750	37	40	102	78	25	52	14	21	21	M12×1.75	11	17	M22×1.5	37	1/2	116	0	71	204
100	~750	37	40	116	92	30	52	14	21	21	M12×1.75	11	17	M26×1.5	40	1/2	126	0	72	215

XEN/XENG Series Guide Units



XEN 25-100-GF



XENG 40-100-GF

Ordering Code

XENG

Series Code
XEN: Guided Unit for ISO 6432
XENG: Guided Unit for ISO 15552

50

Bore
XEN: 8mm~25mm
XENG: 32mm~100mm

100

Stroke

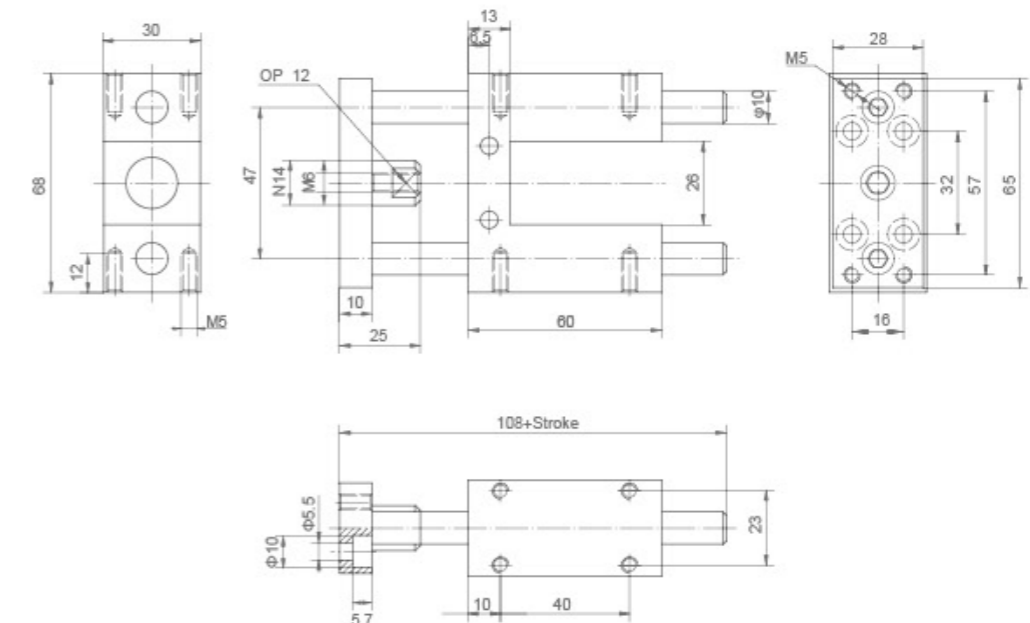
GF

Guide
GF: Plain-bearing Guide
KF: Recirculating Ball Bearing Guide

Specification

Model	XEN-...						XENG-...			
Bore Φ	8/10	12/16	20	25	32	40	50	63	80	100
Stroke(mm)	1 ... 100	1 ... 200	1 ... 250		1 ... 500					
Guide	Plain-bearing Guide									
Installation	Recirculating Ball									
Installation position	Any									
Operating Range Temperature	-20~+80°C									

Overall Dimensions



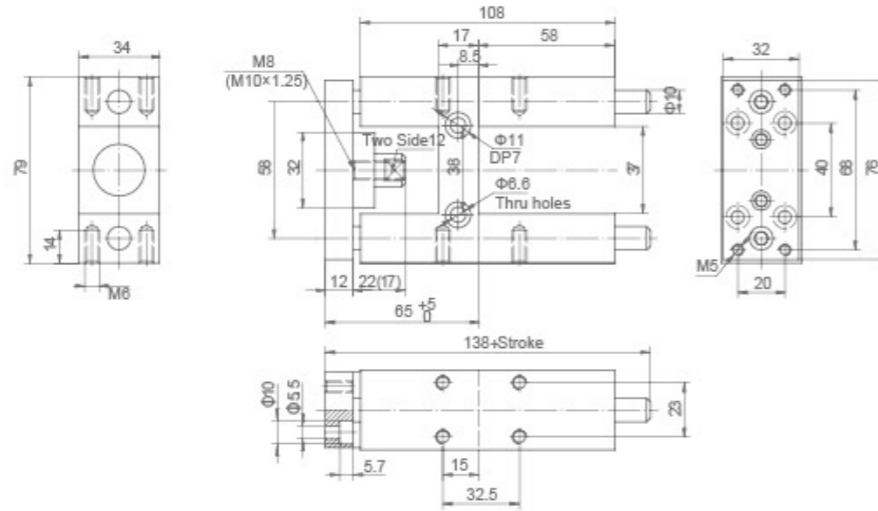
XEN12-16

XEN/XENG Series Guide Units

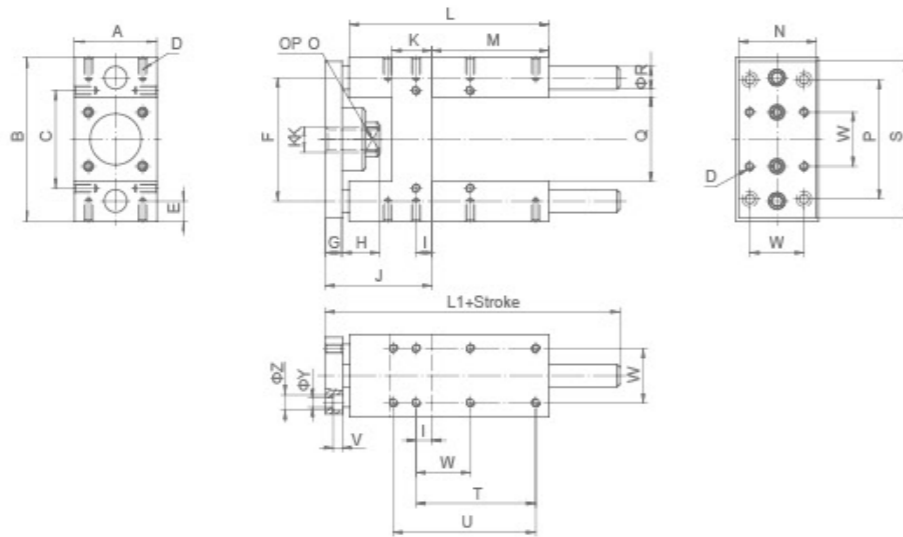
Overall Dimensions

XEN20-25

*In() is the size of 25



XENG32-100



Dimension Sheet

Bore(mm)	J	Q	W	P	S	T	U	ΦZ	ΦY	V	L1	O	D	E
32	67 ^{+0.5} ₀	50.5 ^{+0.3}	32.5 ^{+0.2}	76 ^{+0.2}	90	70.3 ^{+0.2}	78 ^{+0.2}	11	6.6	6.5	155	14	M6	12
40	75 ^{+0.5} ₀	58.5 ^{+0.3}	38 ^{+0.2}	16 ^{+0.2}	110	84 ^{+0.2}	-	11	6.6	6.5	170	17	M6	14
50	89 ^{+1.0} ₀	70.5 ^{+0.3}	46.5 ^{+0.2}	20 ^{+0.2}	130	81.8 ^{+0.2}	100 ^{+0.2}	13	9	9	188	22	M8	16
63	89 ^{+1.0} ₀	85.5 ^{+0.3}	56.5 ^{+0.2}	20 ^{+0.2}	145	105 ^{+0.2}	-	13	9	9	220	22	M8	16
80	111 ^{+1.0} ₀	106 ^{+0.8}	72 ^{+0.2}	25 ^{+0.2}	180	-	-	18	11	11	258	27	M10	20
100	111 ^{+1.0} ₀	131 ^{+0.8}	89 ^{+0.2}	25 ^{+0.2}	200	-	-	18	11	11	263	27	M10	20

Bore(mm)	A	B	C	ΦR	F	KK	L	K	M	G	H	I	N
32	50 ^{+0.3}	97 ⁰ _{-0.4}	61 ^{+0.2}	12	74 ^{+0.2}	M10x1.25	125	24	76	12	20	4.3	45
40	58 ^{+0.3}	115 ⁰ _{-0.4}	69 ^{+0.2}	16	87 ^{+0.2}	M12x1.25	140	28	81	12	22	11	54
50	70 ^{+0.3}	137 ⁰ _{-0.5}	85 ^{+0.2}	20	104 ^{+0.2}	M16x1.5	150	34	79	15	25	18.8	63
63	85 ^{+0.3}	152 ⁰ _{-0.1}	100 ^{+0.2}	20	119 ^{+0.2}	M16x1.5	182	34	111	15	25	15.3	80
80	105 ^{+0.3}	189 ⁰ _{-0.5}	130 ^{+0.2}	25	147.5 ^{+0.2}	M20x1.5	215	40	128	20	32	21	100
100	130 ^{+0.3}	213 ⁰ _{-0.5}	150 ^{+0.2}	25	172 ^{+0.2}	M20x1.5	220	40	128	20	32	24.5	120



Mini/Compact Cylinders

Mini/Compact cylinder can save the mounting space maximally, they are widely used on the compact and well-designed machines, the demand is growing fast in the world, Mini cylinder include: MA6432(ISO6432), MA, CM2, CJ2(Stainless Steel), MAL(Aluminum), the bore range is from 8mm to 40mm, Compact cylinder include: ADN,ADVU(ISO standard) CQ2(Japanese Standard) and SDA. the bore range is from 10 mm to 100mm.



MA6432 Series Stainless Steel Mini Cylinder(ISO6432)



Ordering Code

MA6432 □ 20 × 50 - 25 S □

Series Code
 MA:Double Action Type
 MSA:Single-Extrusion Type
 MTA:Single Drawing-in Type
 MAD:Double-shaft Double ActionType
 MACD:Double-shaft Double Action Damping Type
 MAJ:Double-shaft and adjustable stroke type
 MAC:With Cushion Type

Back Cover Type
 Blank:Fishtail Type
 CM:Rounded Type
 U:Horizontal Type
 F: Copper Bush Type

Cylinder Bore 8mm-25mm

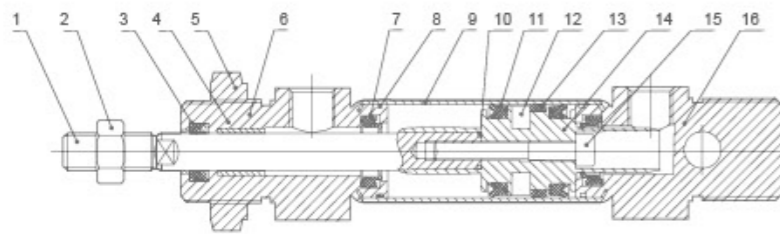
Stroke 0~100mm

Adjustable Stroke Type 0~100mm

Magnet Code
 Blank:Without Magnet
 S:With Magnet

Fixed Type
 Blank:Normal type
 LB:Front and back fixed type
 FA:Front cover fixed type
 SDB:Back cover swinging type
 U:Back cover fixed type

Internal structure



NO	Designation	NO	Designation
1	Piston Rod	9	Barrel
2	Piston Rod Nut	10	Piston rod O-ring
3	Front Cover Seal	11	Piston O-ring
4	Bearing	12	Magnet(Optional)
5	Hexagon Screw	13	Wear Ring
6	Front Cover	14	Piston
7	Cushion Ring	15	Hex Socket Screw
8	O-ring	16	Back Cover

Specification

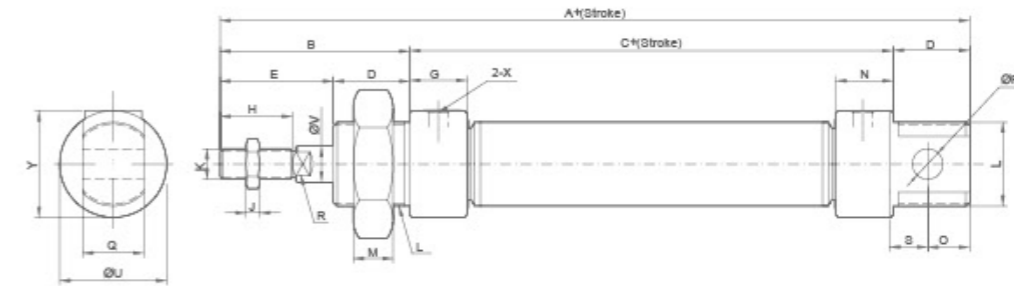
Bore(mm)	8	10	12	16	20	25
Fluid	Air					
Motion pattern	Double Action or single Action					
Ensured Pressure Resistance	15.3kgf/cm ² (1.5Mpa)					
Max.pressure	10.2kgf/cm ² (1.0Mpa)					
Min.pressure	0.5kgf/cm ² (0.05Mpa) 1kgf/cm ² (0.1Mpa)					
Environment and fluid temp	-10~+80°C (Internal Magnetic Install by Tach strap:Type Max:60°C)					
Piston velocity	Rubber Buffer(Standard),Air Buffer(Optional)					
Buffering	50~750mm/s					
Kinetic energy Tolerance(kgf/cm)	0.2	0.3	0.4	0.9	2.7	4
Port Size	M5x0.8			G1/8"		

Stroke

Bore(mm)	Standard Stroke	Max.Stroke(mm)
8	10,25,40,50,80,100,125,160,200	400
10	10,25,40,50,80,100,125,160,200	400
12	10,25,40,50,80,100,125,160,200	400
16	10,25,40,50,80,100,125,160,200	400
20	25,40,50,80,100,125,150,160,175,200,250,300	1000
25	25,40,50,80,100,125,150,160,175,200,250,300	1000

MA6432 Series Stainless Steel Mini Cylinder(ISO 6432)

Overall Dimensions



Dimension Sheet

Bore/Symbol	A	B	C	D	E	G	H	M	J	O	K	N	P	S	R	U	V	Q	Y	L	X
8	86	28	46	12	16	9	12	7	3	10	M4x0.7	9	4	6	-	15	4	8	15	M12x1.5	M5
10	86	27	47	12	15	9	12	7	3	10	M4x0.7	9	4	6	-	15	4	8	15	M12x1.5	M5
12	105	37	51	17	20	9	16	6	4.5	14	M6x1	9	6	9	5	20	6	12	20	M16x1.5	M5
16	111	38	56	17	21	12.5	16	6	4.5	13	M6x1	10.5	6	9	5	20	6	12	20	M16x1.5	M5
20	128	45	63	20	25	15	20	8	6	11	M8x1.25	15	8	12	6	27	8	16	27	M22x1.5	G1/8"
25	137	50	65	22	28	15	22	8	6	11	M10x1.25	15	8	12	8	27	10	16	27	M22x1.5	G1/8"

MA6432-N Series Stainless Steel Mini Cylinder (ISO 6432)



Dimension Sheet

Bore	AM	BE	ΦC	ΦCD	ΦD	EE	EW	F
Φ8	12	M12x1.25	4	4	17	M5x0.8	8	12
Φ10	12	M16x1.25	4	4	17	M5x0.8	8	12
Φ12	16	M16x1.5	6	6	20	M5x0.8	12	17
Φ16	16	M16x1.5	6	6	20	M5x0.8	12	17
Φ20	20	M22x1.5	8	8	28	G1/8"	16	20
Φ25	22	M22x1.5	10	8	33.5	G1/8"	16	22

Bore	GB	GC	WA	WB	H	HR	K	KK	KV	KW	NB	NC	NA	ΦND	RR	S	SW	U	WH	XC	Z	ZZ
Φ8	7	5	-	-	28	10	-	M4x0.7	19	6	11.5	9.5	15	12	10	46	7	6	16	64	76	86
Φ10	7(5.5)	7(5.5)	10.5	4.5	28	10.5	-	M4x0.7	19	6	11.5(13.5)	9.5(13.5)	15	12	10	46(53)	7	6	16	64(71)	76(83)	86(93)
Φ12	8(5.5)	6(5.5)	9.5	5.5	38	14	5	M6x0.8	24	8	12.5(12.5)	10.5(12.5)	18	16	14	50(54)	10	9	22	75(79)	91(95)	105(109)
Φ16	8(5.5)	6(5.5)	9.5	5.5	38	14	5	M6x0.8	24	8	12.5	10.5(12.5)	18	16	13	56	10	9	22	82	98	111
Φ20	8	8	17	8.5	44	17	6	M8x1.25	32	11	15	15	24	22	11	62	13	12	24	95	95	126
Φ25	8	8	20	10	50	20	8	M10x1.25	32	11	15	15	30	22	11	65	17	12	28	104	126	137

Our company can also provide SMC Type ISO6432 standard stainless steel mini cylinder, if you need this, pls add-N after normal ordering code.

MA6432 Series Stainless Steel Mini Cylinder(ISO 6432 Big Bore)



MAC6432 50 x 50-S



MAC6432 63 x 50-S

Ordering Code

MA6432 □ 50 × 50 - 25 - S □

Series Code
 MA:Double Action Type
 MSA:Single-Extrusion Type
 MTA:Single Drawing-in Type
 MAD:Double-shaft Double Action Type
 MACD:Double-shaft Double Action Damping Type
 MAJ:Double-shaft and Adjustable Stroke Type
 MAC:With Cushion Type

Back Cover Type
 Blank:Fishtail type
 CM:Rounded type
 U:Horizontal type

Cylinder Bore
 32mm-63mm

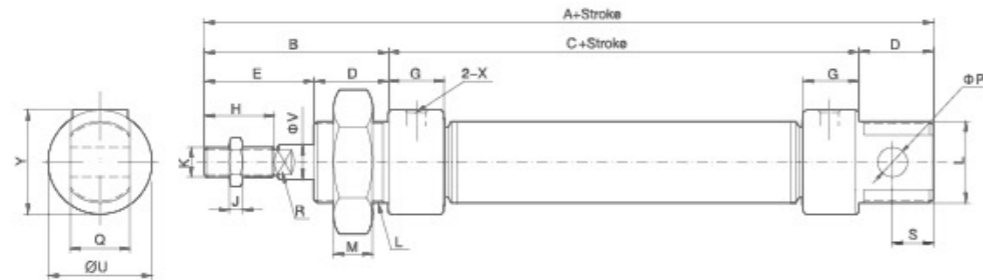
Stroke
 0~100mm

Adjustable Stroke Type
 0~100mm

Magnet Code
 Blank:Without Magnet
 S:With Magnet

Fixed Type
 Blank:Normal type
 LB:Front and back fixed type
 FA:Front cover fixed type
 SDB:Back cover swinging type

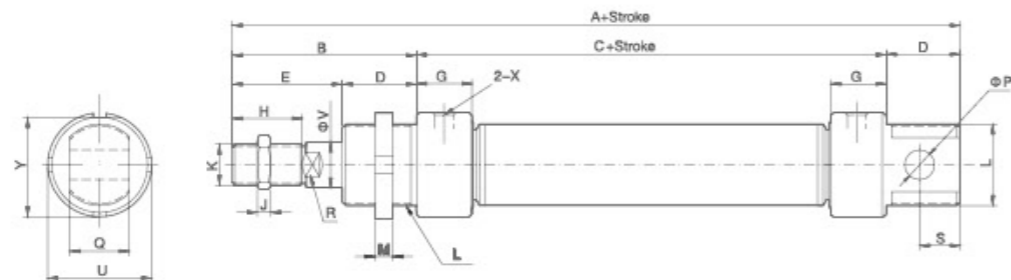
Overall Dimensions



Dimension Sheet

Bore/Symbol	A	B	C	D	E	G	H	M	J	K	P	S	R	U	V	Q	Y	K	X
32	160	57	76	27	30	16	22	8	6	M10×1.25	10	12	10	35	12	16	35	M24×2	G1/8
40	162	57	76	27	32	16.7	24	8	7	M12×1.25	12	12	14	41.6	16	16	41.6	M30×2	G1/8

Overall Dimensions



Dimension Sheet

Bore/Symbol	A	B	C	D	E	G	H	M	J	K	P	S	R	U	V	Q	Y	K	X
50	200	73	94	33	40	22	32	8	8	M16×1.5	16	15	17	57	20	21	55	M45×1.5	G1/4
63	203	73	97	33	40	22	32	8	8	M16×1.5	16	15	17	70	20	21	68	M45×1.5	G1/4

Our Company can also make FST type (ISO 6432) 32-63 bore cylinder . If you require this, it should be specified.

MA Series Stainless Steel Mini Cylinder



MA 25 x 50



MAJ 25 x 50-25

Ordering Code

MA □ 20 × 50 - 25 - S □

Series Code
 MA:Double Action Type
 MSA:Single Extrusion Type
 MTA:Single Drawing-in Type
 MAD:Double-shaft Double Action Type
 MACD:Double-shaft Double Action Damping Type
 MAJ:Double-shaft and Adjustable Stroke Type
 MAC:With Cushion Type

Back Cover Type
 Blank:Fishtail type
 CM:Rounded type
 U:Horizontal type

Cylinder Bore
 16mm~40mm

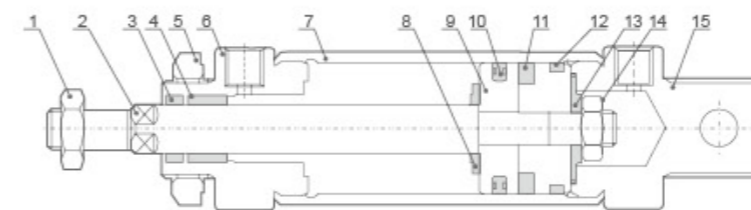
Stroke
 0~100mm

Adjustable Stroke Type
 0~100mm

Magnet Code
 Blank:Without Magnet
 S:With Magnet

Fixed Type
 Blank:Normal type
 LB:Front and back fixed type
 FA:Front cover fixed type
 SDB:Back cover swinging type
 U:Back cover fixed type

Internal structure



NO	Designation	NO	Designation
1	Piston Rod Nut	9	Piston
2	Piston Rod	10	Piston O-Ring
3	Front Cover Seal Ring	11	Magnet(Optional)
4	Oiled Bearing	12	Wear ring
5	Front Cover Nut	13	Back cushion
6	Front Cover	14	Hex socket screw
7	Stainless steel tube	15	Back Cover
8	Anti-crash cushion		

Specification

Bore(mm)	16	20	25	32	40
Motion Pattern	Double Action or Single Action				
Working Medium	Air				
Fixed Type	Normal Type	LB Type	FA Type	SDB Type	U Type
Operating Pressure Range	0.1~0.9MPa				
Ensured Pressure Resistance	1.35MPa				
Operating Temperature Range	-5~70℃				
Operating Speed Range	50~800mm/s				
Buffer Type	Standard Type	Anti-crash cushion			
	Damping Type	Adjustable cushion			
Port Size	M5×0.8	G1/8"	G1/8"	G1/8"	G1/8"

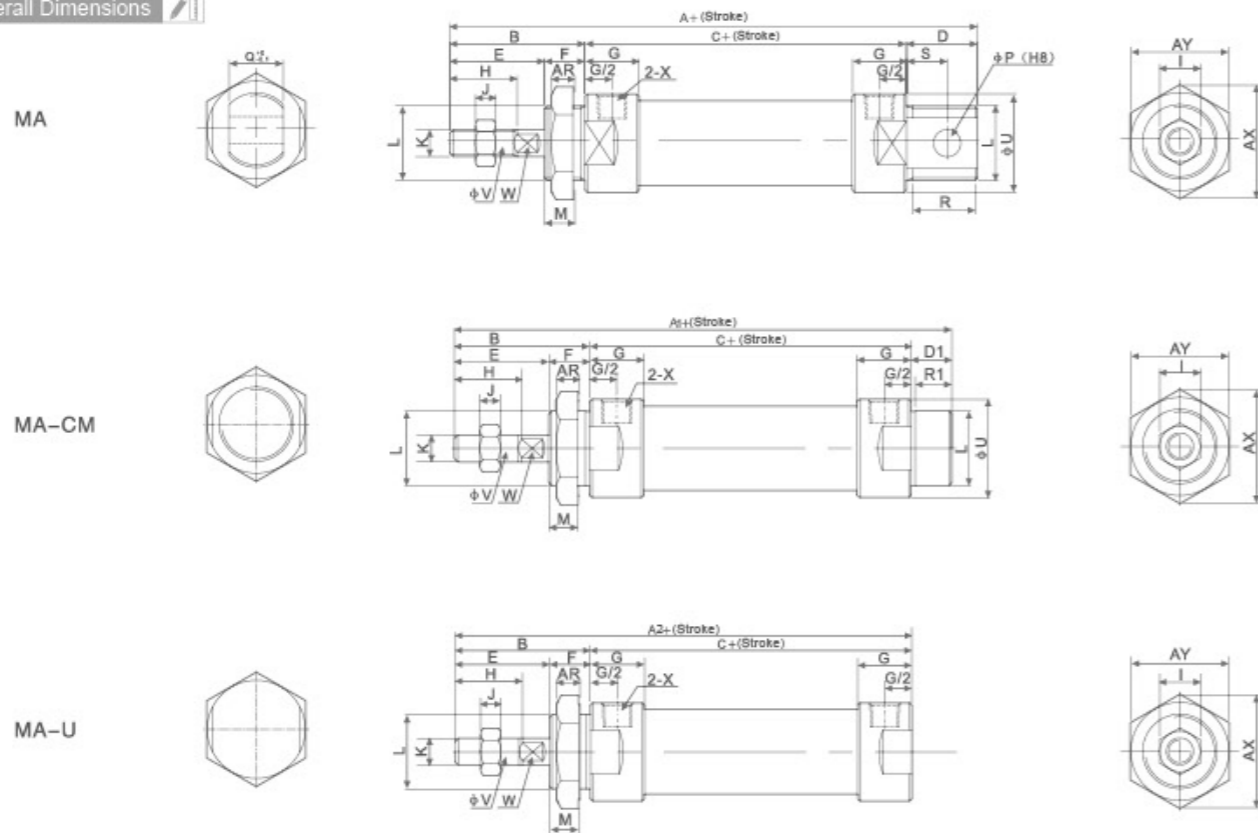
Our Company can also make flat for cylinder covers inlet and outlet position. If you require this, it should be specified.

Stroke

Bore(mm)	Standard Stroke															Max.Stroke(mm)	Permissible Stroke
16	25	50	75	80	100	125	160	175	200							300	500
20	25	50	75	80	100	125	160	175	200	250	300					500	650
25	25	50	75	80	100	125	160	175	200	250	300	350	400	450	500	500	650
32	25	50	75	80	100	125	160	175	200	250	300	350	400	450	500	500	650
40	25	50	75	80	100	125	160	175	200	250	300	350	400	450	500	500	650

MA Series Stainless Steel Mini Cylinder

Overall Dimensions



Dimension Sheet

Bore/Symbol	A	A1	A2	B	C	D	D1	E	F	G	H	I	J	K
16	114	114	98	38	60	16	16	22	16	10	16	10	5	M6x1
20	137	128	116	40	76	21	12	28	12	16	20	12	6	M8x1.25
25	141	134	120	44	76	21	14	30	14	16	22	17	6	M10x1.25
32	147	134	120	44	76	27	14	30	14	16	22	17	6	M10x1.25
40	149	136	122	46	76	27	14	32	14	16.7	24	17	7	M12x1.25

Bore/Symbol	L	M	P	Q	R	R1	S	U	V	W	X	AR	AX	AY
16	M16x1.5	14	6	12	14	14	9	21	6	5	M5	6	24	27.5
20	M22x1.5	10	8	16	19	10	12	27	8	6	G1/8"	7	33	29
25	M22x1.5	12	8	16	19	12	12	30	10	8	G1/8"	7	33	29
32	M24x2.0	12	10	16	25	12	15	35	12	10	G1/8"	8	37	32
40	M30x2.0	12	12	20	25	12	15	41.6	16	14	G1/8"	9	47	41

MAL6432 Series Aluminum alloy Mini Cylinder(ISO 6432)



MAL6432 20 x 75

Specification

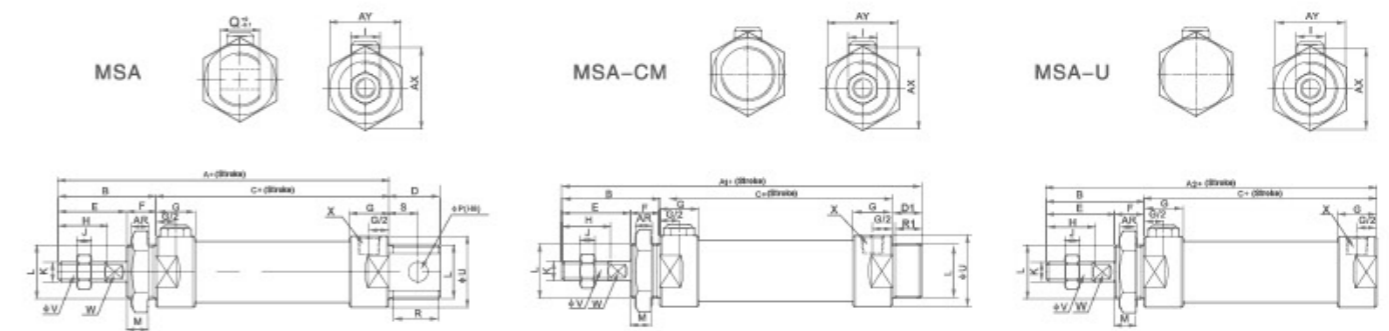
Motion Pattern	Double Action or Single Action
Operating Pressure Range	0.1~0.9MPa
Ensured Pressure Resistance	1.35MPa
Operating Temperature Range	-5~70℃
Operating Speed Range	30~800mm/s

Product instruction

Our company can also provide MAL series ISO6432 standard aluminum alloy mini cylinder,if you need this,pls change ordering code MAL into MAL6432.

MA Series Stainless Steel Mini Cylinder

Overall Dimensions

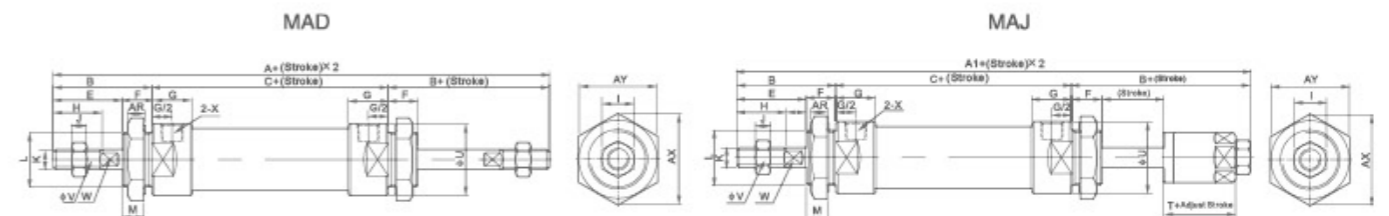


Dimension Sheet

Symbol Bore/Stroke	A		A1		A2		B	C		D	D1	E	F	G	H	I	J
	0-50	51-100	0-50	51-100	0-50	51-100		0-50	51-100								
16	114	139	128	153	98	123	38	60	85	16	16	22	16	10	16	10	5
20	137	162	134	159	116	141	40	76	101	21	12	28	12	16	20	12	6
25	141	166	134	159	120	145	44	76	101	21	14	30	14	16	22	17	6
32	147	172	136	161	120	145	44	76	101	27	14	30	14	16	22	17	6
40	149	174	122	144	122	147	46	76	101	27	14	32	14	16.7	24	17	7

Bore/Symbol	K	L	M	P	Q	R	R1	S	U	V	W	X	AR	AX	AY
16	M6x1	M16x1.5	14	6	12	14	14	9	21	6	5	M5	6	24	22
20	M8x1.25	M22x1.5	10	8	16	19	10	12	27	8	6	G1/8"	7	33	29
25	M10x1.25	M22x1.5	12	8	16	19	12	12	30	10	8	G1/8"	7	33	29
32	M10x1.25	M24x2.0	12	10	16	25	12	15	35	12	10	G1/8"	8	37	32
40	M12x1.25	M30x2.0	12	12	20	25	12	15	41.6	16	14	G1/8"	9	47	41

Overall Dimensions



Dimension Sheet

Bore/Symbol	A	A1	B	C	E	F	G	H	I	J	K
16	136	135	38	60	22	16	10	16	10	5	M6x1
20	156	153	40	76	28	12	16	20	12	6	M8x1.25
25	164	161	44	76	30	14	16	22	17	6	M10x1.25
32	164	161	44	76	30	14	16	22	17	6	M10x1.25
40	168	164	46	76	32	14	16.7	24	17	7	M12x1.25

Bore/Symbol	L	M	U	V	W	X	AR	AX	AY	T
16	M16x1.5	14	21	6	5	M5	6	25	22	16
20	M22x1.5	10	29	9	6	G1/8"	7	33	29	19
25	M22x1.5	12	34	10	8	G1/8"	7	33	29	21
32	M24x1.5	12	39.5	12	10	G1/8"	8	37	32	21
40	M30x2.0	12	41.6	16	12	G1/8"	9	47	41	21

MAL Series Aluminum alloy Mini Cylinder



MAL 25 x 50

MALJ 25 x 50-25

Ordering Code

MAL - □ 20 × 50 - 25 - S - □

Series Code
 MAL: Double Action type
 MSAL: Single Extrusion Type
 MTAL: Single Drwing-in Type
 MALD: Double-shaft Double Action Type
 MALCD: Double-shaft Action Damping Type
 MALJ: Double-shaft And Adjustable Stroke Type
 MALC: With Cushion Type

Back Cover Type
 Blank: Fishtail type
 CM: Rounded type
 U: Horizontal type

Cylinder Bore
 16mm-40mm

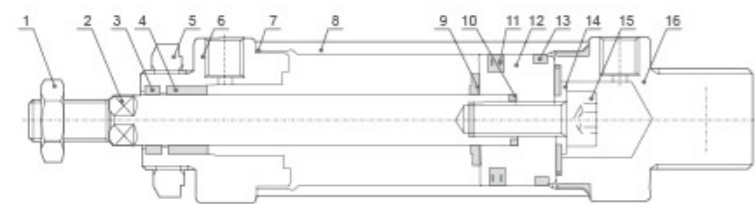
Stroke
 25

Adjustable Stroke Type
 0~100mm

Magnet Code
 Blank: Without Magnet
 S: With Magnet

Fixed Type
 Blank: Normal type
 LB: Front and back fixed type
 FA: Front cover fixed type
 SDB: Back cover swinging type

Internal structure



NO	Designation	NO	Designation
1	Piston Rod Nut	2	Piston Rod
3	Front Cover Seal Ring	4	Oiled Bearing
5	Front Cover Nut	6	Front Cover
7	Pipe wall O-ring	8	Aluminum tube
9	Anti-crash cushion	10	Piston rod O-Ring
11	Piston O-Ring	12	Piston
13	Wear ring	14	Back cushion
15	Hex socket screw	16	Back Cover

Specifcation

Bore(mm)	16	20	25	32	40
Motion Pattern	Double Action or Single Action				
Working Medium	Air				
Fixed Type	Normal Type LB Type FA Type SDB Type				
Operating Pressure Range	0.1~0.9MPa				
Ensured Pressure Resistance	1.35MPa				
Operating Temperature Range	-5~70℃				
Operating Speed Range	30~800mm/s				
Buffer Type	Standard Type Anti-crash cushion Damping Type Adjustable cushion				
Port Size	M5×0.8	G1/8"	G1/8"	G1/8"	G1/4"

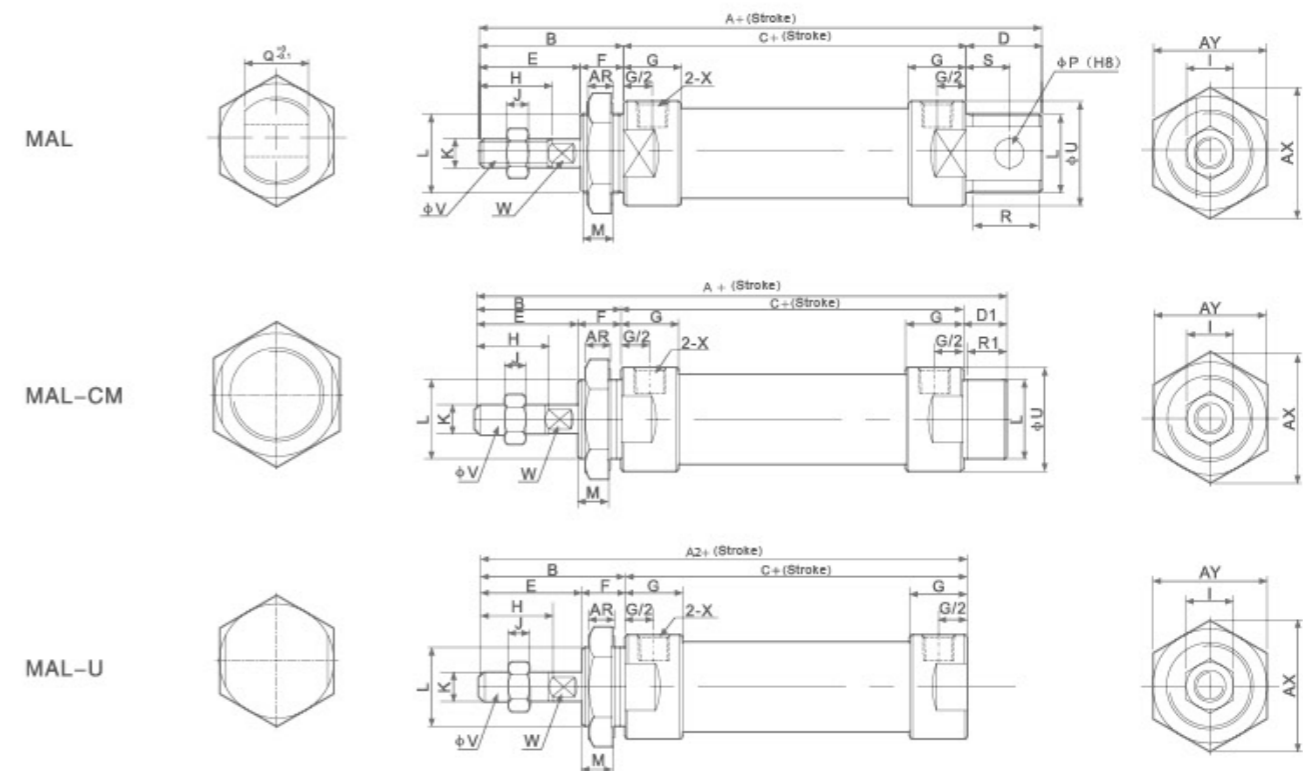
Our Company can also make flat for cylinder covers inlet and outlet position. If you require this, it should be specified.

MAL Series Aluminum alloy Mini Cylinder

Stroke

Bore(mm)	Standard Stroke										Max. Stroke(mm)	Max. Stroke(mm)					
16	25	50	75	80	100	125	160	175	200		300	500					
20	25	50	75	80	100	125	160	175	200	250	300	500	650				
25	25	50	75	80	100	125	160	175	200	250	300	350	400	450	500	500	650
32	25	50	75	80	100	125	160	175	200	250	300	350	400	450	500	500	650
40	25	50	75	80	100	125	160	175	200	250	300	350	400	450	500	500	650

Overall Dimensions



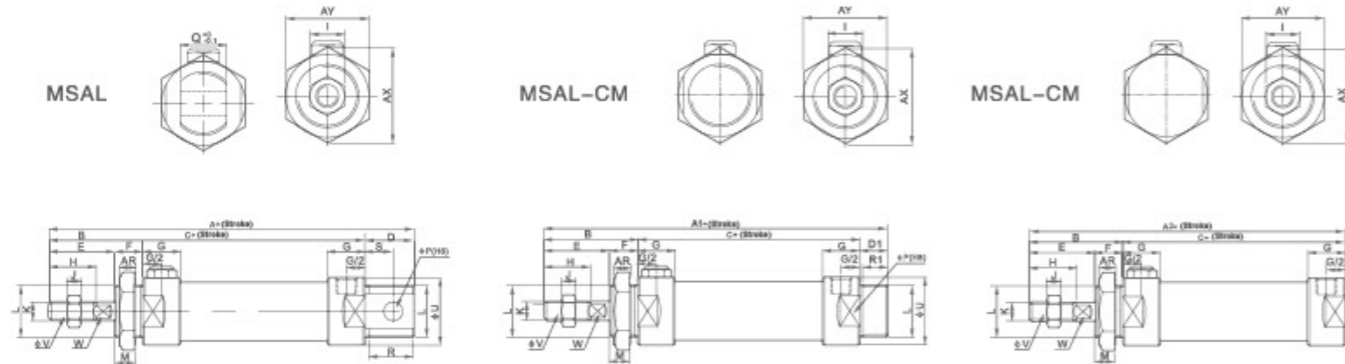
Dimension Sheet

Bore/Symbol	A	A1	A2	B	C	D	D1	E	F	G	H	I	J	K
16	110	114	98	38	56	16	16	22	16	10	16	10	5	M6×1
20	131	122	110	40	70	21	12	28	12	16	20	12	6	M8×1.25
25	135	128	114	44	70	21	14	30	14	16	22	17	6	M10×1.25
32	141	128	114	44	70	27	14	30	14	16	22	17	6	M10×1.25
40	165	152	138	46	92	27	14	32	14	22	24	17	7	M12×1.25

Bore/Symbol	L	M	P	Q	R	R1	S	U	V	W	X	AR	AX	AY
16	M16×1.5	14	6	12	14	14	9	24	6	5	M5	6	25	22
20	M22×1.5	10	8	16	19	10	12	29	8	6	G1/8"	7	33	29
25	M22×1.5	12	8	16	19	12	12	34	10	8	G1/8"	7	33	29
32	M24×2.0	12	10	16	25	12	15	39.5	12	10	G1/8"	8	37	32
40	M30×2.0	12	12	20	25	12	15	49.5	16	14	G1/4"	9	37	41

MAL Series Aluminum alloy Mini Cylinder

Overall Dimensions

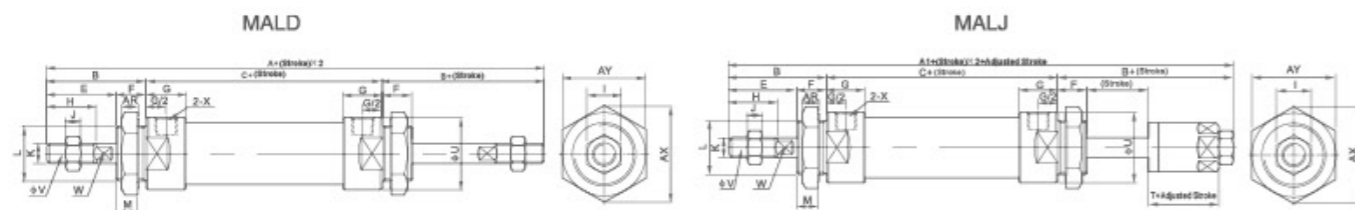


Dimension Sheet

Symbol Bore/Stroke	A		A1		A2		B	C		D	D1	E	F	G	H	I	J
	0-50	51-100	0-50	51-100	0-50	51-100		0-50	51-100								
20	131	156	122	147	110	135	40	70	95	21	12	28	12	16	20	12	6
25	135	160	160	153	114	139	44	70	95	21	14	30	14	16	22	17	6
32	141	166	166	153	114	139	44	70	95	27	14	30	14	16	22	17	6
40	165	190	190	177	138	163	46	92	117	27	14	32	14	22	24	17	7

Bore/Symbol	K	L	M	P	Q	R	R1	S	U	V	W	X	AR	AX	AY
20	M8x1.25	M22x1.5	10	8	16	19	10	12	29	8	6	G1/8"	7	33	29
25	M10x1.25	M22x1.5	12	8	16	19	12	12	34	10	8	G1/8"	7	33	29
32	M10x1.25	M24x2.0	12	10	16	25	12	15	39.5	12	10	G1/8"	8	37	32
40	M12x1.25	M30x2.0	12	12	20	25	12	15	49.5	16	14	G1/8"	9	47	41

Overall Dimensions



Dimension Sheet

Bore/Symbol	A	A1	B	C	E	F	G	H	I	L	K
20	150	147	40	70	28	12	16	20	12	6	M8x1.25
25	158	155	44	70	30	14	16	22	17	6	M10x1.25
32	158	155	44	70	30	14	16	22	17	6	M10x1.25
40	184	180	46	92	32	14	22	24	17	7	M12x1.25

Bore/Symbol	L	M	U	V	W	X	AR	AX	AY	T
20	M22x1.5	10	29	8	6	G1/8"	7	33	29	19
25	M22x1.5	12	34	10	8	G1/8"	7	33	29	21
32	M24x1.5	12	39.5	12	10	G1/8"	8	37	32	21
40	M30x2.0	12	49.5	16	14	G1/4"	9	47	41	21

CM2 Series Stainless Steel Mini Cylinder

Ordering Code

CM2 × **32** × **150** - **A**

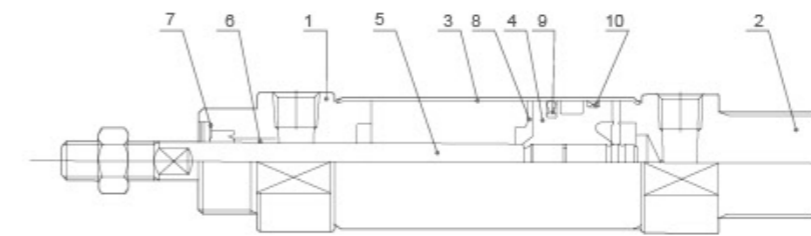
Series Code: CM2B:Normal Type, CDM2B:Attach magnet Type
 Cylinder Bore: 20mm-40mm
 Stroke: 0-1000mm
 Buffer: Blank:Rubber Buffer, A:Air Buffer



CDM2B 32 x 50

CDM2B 20 x 50

Internal structure

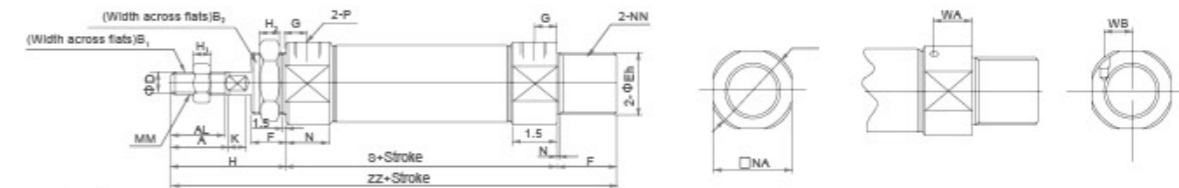


NO	Designation
1	Front Cover
2	Back Cover
3	Barrel
4	Piston
5	Piston rod
6	Oiled Bearing
7	Front Cover Seal Ring
8	Anti-crash cushion
9	Piston Seal
10	Wear Ring

Specification

Bore(mm)	20	25	32	40
Working Medium	Air			
Motion Pattern	Double action			
Ensured Pressure Resistance	15.3kgf/cm ² (1.5Mpa)			
Max.pressure	10.2kgf/cm ² (1.0Mpa)			
Min.pressure	0.5kgf/cm ² (0.05Mpa)			
Operating Temperature Range	-10~+70℃			
Operating Speed Range	50~750mm/s			
Buffering	Rubber buffer(Standard),Air buffer(Optional)			
Margin of Stroke Error(mm)	+1.4 0mm			
Port size	G1/8"	G1/8"	G1/8"	G1/4"

Overall Dimensions



Dimension Sheet

Diameter	Stroke range	A	AL	B1	B2	D	E	F	G	H	H1	H2	I	K	MM	N	NA	NN	P	S	ZZ	WA	WB
20	~300	18	15.5	13	26	8	20 ⁰ _{-0.033}	13	8	41	5	8	28	5	M8x1.25	15	24	M20x1.5	1/8	62	116	11.5	8.5
25	~300	22	19.5	17	32	10	20 ⁰ _{-0.033}	13	8	45	6	8	22.5	5.5	M10x1.25	15	30	M26x1.5	1/8	62	120	11.5	10
32	~300	22	19.5	17	32	12	26 ⁰ _{-0.033}	13	8	45	6	8	37.5	5.5	M10x1.25	15	34.5	M26x1.5	1/8	64	122	11.5	11.5
40	~300	24	21	22	41	14	32 ⁰ _{-0.033}	16	11	50	6	10	46.5	7	M14x1.5	21.5	42.5	M32x1.5	1/4	88	154	14	15

CJ2 Series Stainless Steel Type Cylinder



Ordering Code

CJ2 × **16** × **50** - **S** - □

Series Code: CJ2B:Normal Type, CDJ2B:Attach Magnet Type

Cylinder Bore: 6mm-16mm

Stroke: 0~200mm

Action: S: Single action (with spring return), T: Single action (with spring extent)

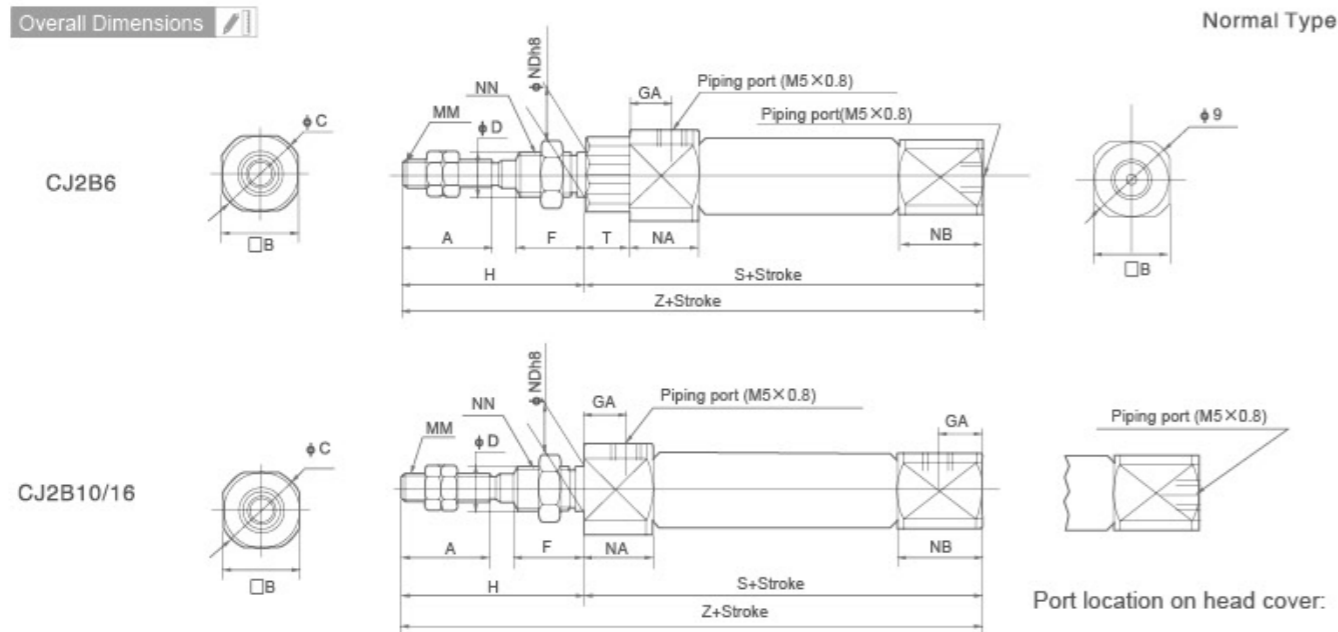
The type of air hole on the head cover end

Mark	Bore	φ6	φ10	φ16
BLANK	-	Vertical		
R		Horizontal		

Specification

Bore(mm)	6	10	16
Working Medium	Air		
Motion Pattern	Double action/Single Action Extrusion type/Single Action Drawing-in Type		
Ensured Pressure Resistance	1.05Mpa(10.5kgf/cm ²)		
Max.pressure	0.7Mpa(7.1kgf/cm ²)		
Min.pressure	0.25Mpa(2.5kgf/cm ²)	0.15Mpa(1.5kgf/cm ²)	
Operating Temperature Range	-10~+70℃		
Operating Speed Range	50~750mm/s		
Buffering	Both side Rubber buffer(Standard)		
Margin of Stroke Error(mm)	+1.0 0mm		
Port size	M5×0.8		

Overall Dimensions

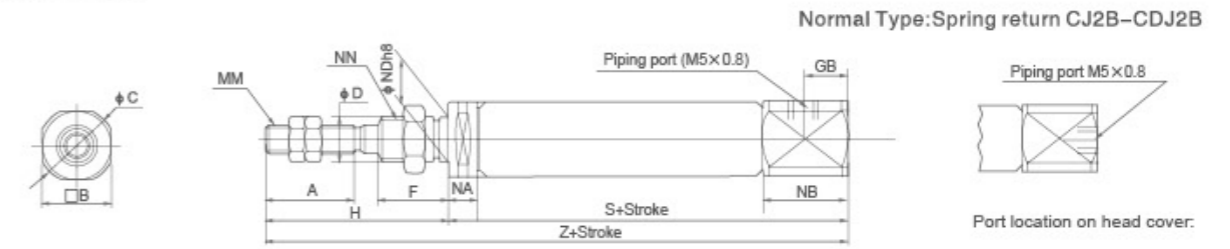


Dimension Sheet

Bore(mm)	A	B	C	D	F	GA	GB	H	MM	NA	NB	NDh8	NN	S	T	Z
6	15	12	14	3	8	14.5	-	28	M3×0.5	16	7	6	M6×1.0	49	3	77
10	15	12	14	4	8	8	5	28	M4×0.7	12.5	9.5	8	M8×1.0	46	-	74
16	15	18	20	5	8	8	5	28	M5×0.8	12.5	9.5	10	M10×1.0	47	-	75

CJ2 Series Stainless Steel Type Cylinder

Overall Dimensions

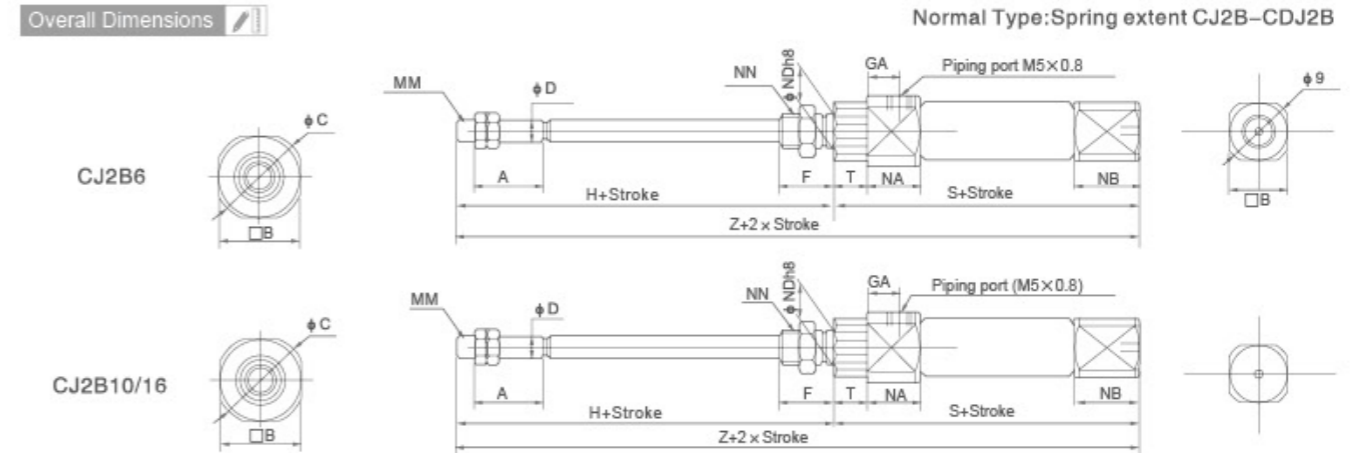


Dimension Sheet

Bore (mm)	A	B	C	D	F	GB	H	MM	NA	NB	NB b8	*S								*Z							
												5~15	16~30	31~45	46~60	61~75	76~100	101~125	126~150	5~15	16~30	31~45	46~60	61~75	76~100	101~125	126~150
6	15	8	19	3	8	-	28	M3×0.5	3	7	6 ^{0.018}	34.5 (30.5)	43.5 (48.5)	47.5 (52.5)	61.5 (66.5)	-	-	-	-	62.5 (67.5)	71.5 (76.5)	75.5 (80.5)	89.5 (94.5)	-	-	-	-
10	15	12	14	4	8	5	28	M4×0.7	5.5	9.5	8 ^{0.022}	45.5	53	65	77	-	-	-	-	73.5	81	93	105	-	-	-	-
16	15	18	20	5	8	5	28	M5×0.8	5.5	9.5	10 ^{0.022}	45.5	54	66	78	84	108	126	138	73.5	82	94	106	112	136	154	166

Attach Magnet size

Overall Dimensions



Dimension Sheet

Bore (mm)	A	B	C	D	F	GA	H	MM	NN	NA	NB	NB b8	T	*S								*Z							
														5~15	16~30	31~45	46~60	61~75	76~100	101~125	126~150	5~15	16~30	31~45	46~60	61~75	76~100	101~125	126~150
6	15	8	14	3	8	14.5	28	M3×0.5	M6×1	16	3	6 ^{0.018}	3	46.5 (51.5)	55.5 (60.5)	59.5 (64.5)	73.5 (78.5)	-	-	-	-	74.5 (79.5)	83.5 (88.5)	87.5 (92.5)	101.5 (106.5)	-	-	-	-
10	15	12	14	4	8	8	28	M4×0.7	M8×1	12.5	5.5	8 ^{0.022}	-	48.5	56	68	80	-	-	-	-	76.5	84	96	108	-	-	-	-
16	15	18	20	5	8	8	28	M5×0.8	M10×1	12.5	5.5	10 ^{0.022}	-	48.5	57	69	81	87	111	129	141	76.5	85	97	109	115	139	157	169

Attach Magnet size

Special Cylinder



Product instruction

Our company has R&D department, can research, develop and produce all kinds of cylinders with advanced technology and sufficient professional experience. We can research and develop new products according to customer's drawing, and strive all products for excellence. If you have new product to develop, pls don't hesitate to contact us, we will try our best to help you.

ADVU Series Compact Cylinder(ISO6431)



ADVU 40 x 50-S

Ordering Code

ADVU × **50** × **80** - **S** - **B**

Series Code
 ADVU:Double Action Type 16mm-100mm
 AEVUZ:Single-Action type
 ADVUD:Double-shaft Double Action Type
 ADVUY:Double-Shaft And Adjustable Stroke Type

Cylinder Bore
 16mm-100mm

Stroke
 Normal Type: 16-25:1-200mm
 32-63:1-300mm
 80-100:1-400mm
 Single Action: 16-100:1-25mm

Magnet Code
 Blank:Without Magnet
 S:With Magnet

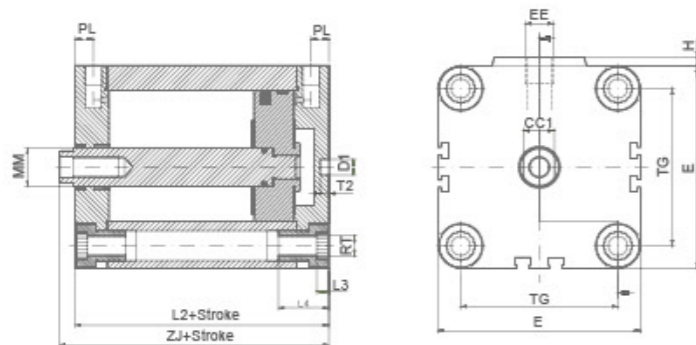
Cog Type
 Blank:Inner Thread
 B:Outer Thread

Specification

Bore(mm)	16	20	25	32	40	50	63	80	100	
Action	Double Acting, single rod/double rod									
Working Medium	Air									
Ensured Pressure Resistance	1.5MPa									
Operating pressure range	ADVU-S 0.12~1.0MPa	0.1~1.0MPa	0.12~1.0MPa	0.08~1.0MPa	0.1~1.0MPa	0.06~1.0MPa				
Ambient and fluid temperature	-20~80 (No freezing)									
Port size	M5		G1/8"		G1/8"		G1/4"			
Piston rod thread	Female thread	M4	M5	M6	M8	M10	M12			
	Male thread	M8	M10x1.25	M12x1.25	M16x1.5	M20x1.5				
Cushion	Rubber bumper									

Overall Dimensions

ADVU ADVUS /Type



Note
 To attach cylinder. 12 and 16mm from above, use only 2 screws diagonally or non-magnetic screws. += plus stroke length
 2 Minimum screw-in depth

Dimension Sheet

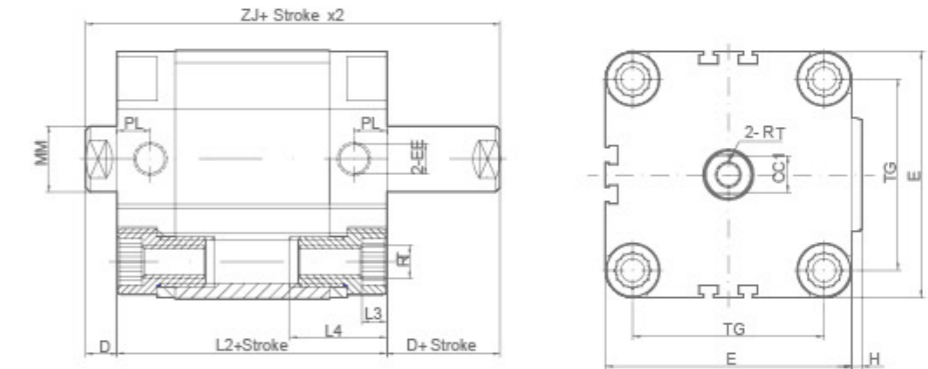
Bore(mm)	D1	E	EE	H	L2	L3	L4	MM	PL	RT	T2	TG	ZJ	CC1
16	6	29	M5	1	38	4	18.5	8	8	M4	4	18	44	6
20	6	36	M5	1.5	38	4	18.5	10	8	M5	4	22	43.5	8
25	6	40	M5	1.5	39.5	4	18.5	10	8	M5	4	26	46	8
32	6	50	G1/8	2	44.5	5	22	12	8	M6	4	32	51.5	10
40	6	60	G1/8	2.5	45.5	5	22	12	8	M6	4	42	52	10
50	6	68	G1/8	2.8	46.5	5	22	16	8	M8	4	50	54.5	14
63	8	88	G1/8	4	50	6	26	16	8	M10	4	62	56	14
80	8	107	G1/8	4	56	6	26	20	8.5	M10	4	82	62	17
100	8	128	G1/4	5	66.5	8	26	20	10.5	M10	4	103	76.5	22

Note:ADVU Series Cylinder With 100mm Bore Is Being Developed, Not Available At The Moment.

ADVU Series Compact Cylinder(ISO6431)

Overall Dimensions

ADVUD

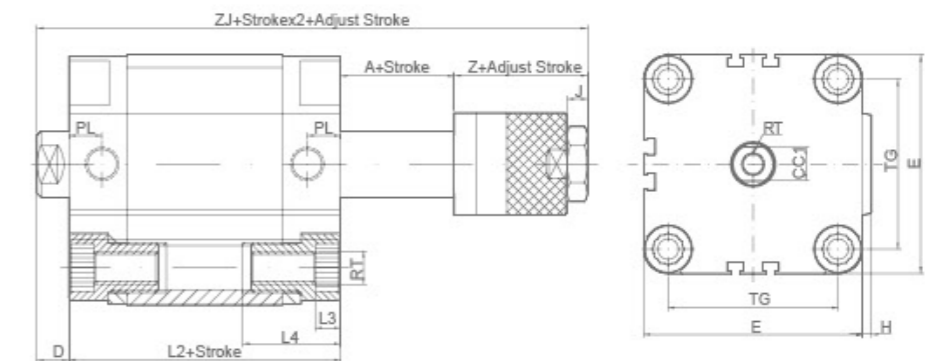


Dimension Sheet

Bore(mm)	E	EE	H	L2	L3	L4	MM	PL	RT	TG	ZJ	CC1	D
16	29	M5	1	38	4	18.5	8	8	M4	18	44	6	6
20	36	M5	1.5	38	4	18.5	10	8	M5	22	43.5	8	5.5
25	40	M5	1.5	39.5	4	18.5	10	8	M5	26	46	8	6.5
32	50	G1/8	2	44.5	5	22	12	8	M6	32	51.5	10	7
40	60	G1/8	2.5	45.5	5	22	12	8	M6	42	52	10	6.5
50	68	G1/8	2.8	46.5	5	22	16	8	M8	50	54.5	14	8
63	88	G1/8	4	50	6	26	16	8	M10	62	58	14	8
80	107	G1/8	4	56	6	26	20	8.5	M10	82	64	17	8

Overall Dimensions

ADVUJ



Dimension Sheet

Bore(mm)	Z	E	EE	H	L2	L3	L4	MM	PL	RT	J	TG	ZJ	CC1	D	A
16	13	29	M5	1	38	4	18.5	8	8	M4	6	18	63	6	6	6
20	15	36	M5	1.5	38	4	18.5	10	8	M5	6	22	64.5	8	5.5	6
25	15	40	M5	1.5	39.5	4	18.5	10	8	M5	6	26	67	8	6.5	6
32	18	50	G1/8	2	44.5	5	22	12	8	M6	6	32	75.5	10	7	6
40	18	60	G1/8	2.5	45.5	5	22	12	8	M6	6	42	76	10	6.5	6
50	20	68	G1/8	2.8	46.5	5	22	16	8	M8	7	50	80.5	14	8	6
63	20	88	G1/8	4	50	6	26	16	8	M10	7	62	84	14	8	6
80	25	107	G1/8	4	56	6	26	20	8.5	M10	8	82	95	17	8	6

ADN Series Compact Cylinder(ISO21287)



ADN 32 x 30-S

Ordering Code

ADN 50 × 50 - **S** - **B**

Series Code
ADN: Double Action Type
AEN: Single Action Type
ADND: Double-shaft Double Action Type
ADNJ: Double-shaft and Adjustable Stroke Type

Cylinder Bore
12mm-63mm

Stroke
Normal Type: 12-25: 1-300mm
32-63: 1-400mm
Single Action: 12: 1-10mm
16-63: 1-25mm

Magnet Code
Blank: Without Magnet
S: With Magnet

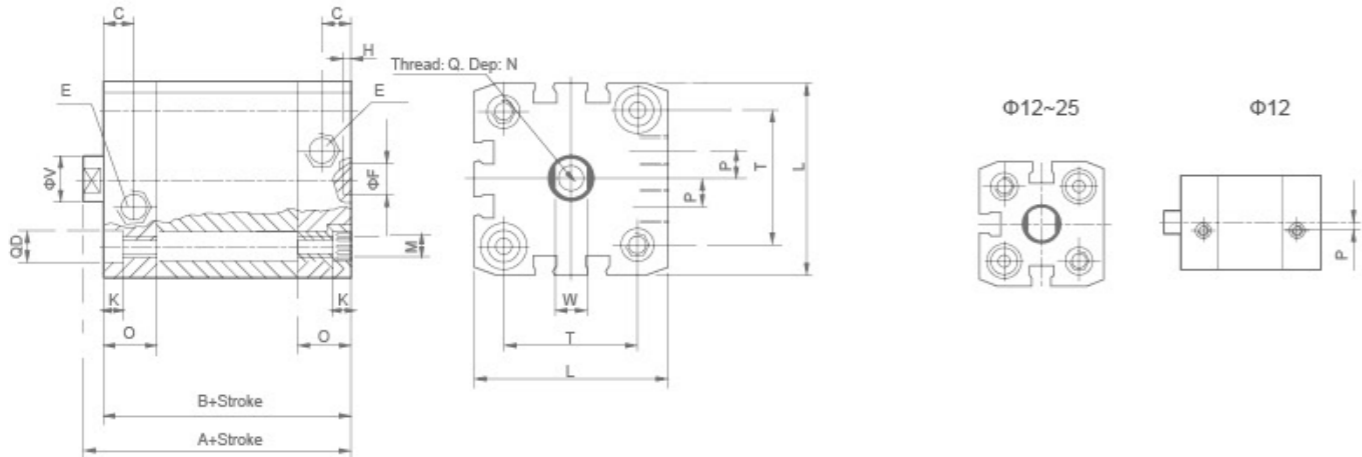
Cog Type
Blank: Inner Thread
B: Outer Thread

Specification

Bore(mm)	12	16	20	25	32	40	50	63
Operation	Double Acting							
Workinh Medium	Air							
Operating Pressure Range	0.1~1.0MPa							
Proof Pressure	1.5MPa							
Operating Temperature Range	-20~70℃							
Operating Speed Range	30~500mm/s							
Port Size	M5×0.8				G1/8"			

Overall Dimensions

Φ32~63



Dimension Sheet

Bore(mm)	A	B	V	O	C	E	M	D	K	H	F	N	Q	L	T	W	P
12	39.2	35	6	10.5	6	M5	M4	6	3.5	2.1	9	10	M4	27.5	16	5	2
16	39.7	35	8	11	6	M5	M4	6	3.5	2.1	9	10	M4	29	18	7	2.6
20	42.5	37	10	12	6	M5	M5	9	5	2.1	9	12	M6	35.5	22	9	2.6
25	44.5	39	10	12	6	M5	M5	9	5	2.1	9	12	M6	39.5	26	9	2.6
32	50	44	12	15	8.2	G1/8	M6	9	5	2.1	9	15	M8	47	32.5	10	6
40	51.1	45	12	15	8.2	G1/8	M6	9	5	2.1	9	15	M8	54.5	38	10	8
50	52.7	45	16	15	8.2	G1/8	M8	12	5	2.6	12	20	M10	65.5	46.5	13	8
63	56.5	49	16	15	8.2	G1/8	M8	12	5	2.6	12	20	M10	75.5	56.5	13	11.5

SDA Series Thin Type(Compact) Cylinder



SDA 32 x 25



SDAJ 32 x 25-10

Ordering Code

SDA 20 × 30 - **5** - **S** - **B**

Series Code
SDA: Double Action Type
SSA: Single Action Extrusion Type
STA: Single Action Drawing-in Type
SDAD: Double-shaft Double Action Type
SDAJ: Double-shaft and Adjustable Stroke Type

Cylinder Bore
12mm~100mm

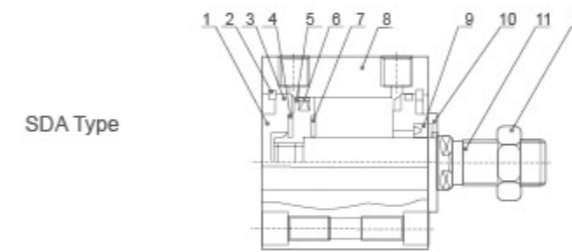
Stroke

Adjust Stroke
5mm
15mm
25mm

Magnet Code
Blank: Without Magnet
S: With Magnet

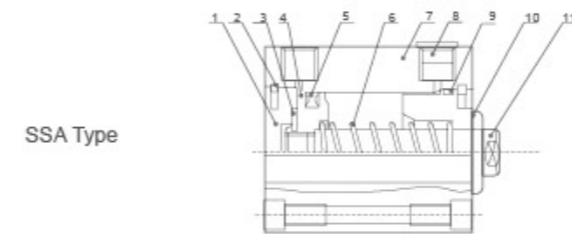
Cog Type
Blank: Inner Thread
B: Outer Thread
N: No Thread

Internal structure



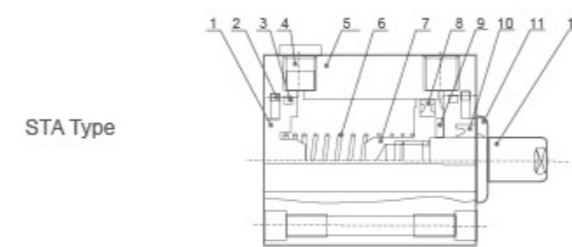
SDA Type

NO	Designation	NO	Designation
1	Back cover	2	Type C buckle ring
3	O-ring	4	Anti-crash cushion
5	Piston	6	Piston O-ring
7	Anti-crash cushion	8	Barrel
9	Front cover seal ring	10	Front cover
11	Piston rod	12	Piston Rod Nut



SSA Type

NO	Designation	NO	Designation
1	Back cover	2	Type C buckle ring
3	Anti-crash cushion	4	Piston
5	Piston O-ring	6	Compressed spring
7	Barrel	8	Silencer
9	Cover O-ring	10	Front cover
11	Piston rod		



STA Type

NO	Designation	NO	Designation
1	Back cover	2	Type C buckle ring
3	Cover O-ring	4	Silencer
5	Barrel	6	Compressed spring
7	Piston	8	Piston O-ring
9	Anti-crash cushion	10	Frount cover sealing
11	Front cover	12	Piston rod

SDA Series Thin Type(Compact) Cylinder

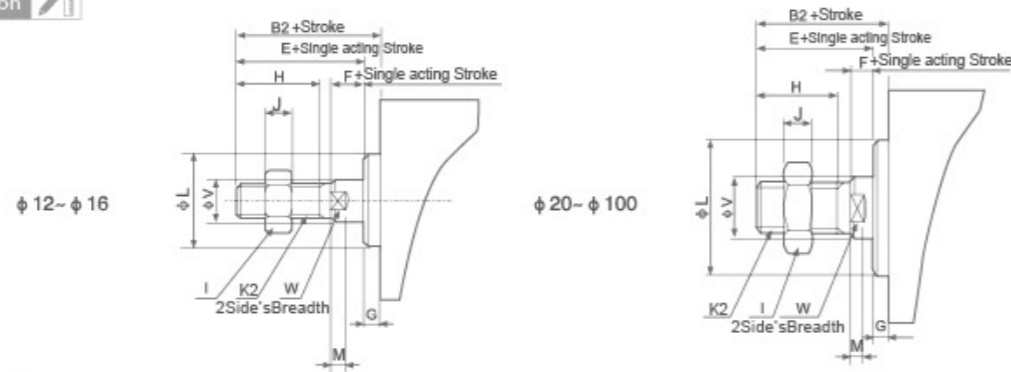
Specification

Bore(mm)	12	16	20	25	32	40	50	63	80	100	
Motion Pattern	Double Action										
	Single Acting Extrusion type					Single Acting Drawing-in Type					
Working Medium	Air										
Operating Pressure Range	Double Action					0.1~0.9MPa					
	Single Action					0.2~0.9MPa					
Ensured Pressure Resistance	1.35MPa										
Operating Temperature Range	-5~70℃										
Operating Speed Range	Double Action					30~500mm/s		30~350mm/s		30~250mm/s	
	Single Action					100~500mm/s					
Buffer Type	Fixed Type Buffer										
Port Size	M5×0.8					G1/8"		G1/4"		G3/8"	

Stroke

Bore(mm)	12	16	20	25	32	40	50	63	80	100	
Double Action	Not attach magnet 5~60 mm Every 5mm	5~85 mm Every 5mm	5~90 mm Every 5mm	100~110 mm Every 5mm	5~90 mm Every 5mm	100~130 mm Every 5mm	is grouped as one grade				
Single Action	Attach magnet 5~50 mm Every 5mm	5~75 mm Every 5mm	5~90 mm Every 5mm	100mm	5~30 mm Every 5mm	5~90 mm Every 5mm	100~130 mm Every 5mm	is grouped as one grade			-
Max.Stroke	60mm	100mm	120mm	130mm							

Outer Thread Dimension



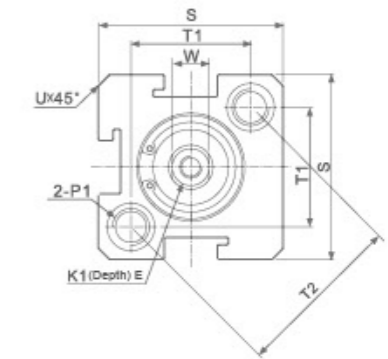
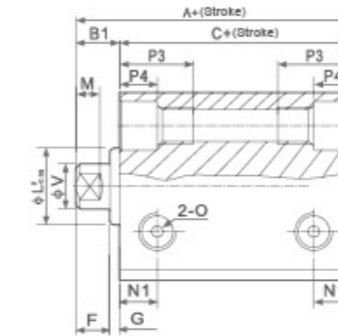
Dimension Sheet

Bore/Symbol	B2	E	F	G	H	I	J	K2	L	M	V	W
12	17	16	4	1	10	8	4	M5×0.8	10.2	2.8	6	5
16	17.5	16	4	1.5	10	8	4	M5×0.8	11	2.8	6	5
20	20.5	19	4	1.5	13	10	5	M6×1.0	16	2.8	8	6
25	23	21	4	2	15	12	6	M10×1.25	17	2.8	10	8
32	25	22	4	3	15	17	6	M10×1.25	22	2.8	12	10
40	35	32	4	3	25	19	8	M14×1.5	28	2.8	16	14
50	37	33	5	4	25	27	11	M18×1.5	38	2.8	20	17
63	37	33	5	4	25	27	11	M18×1.5	40	2.8	20	17
80	44	39	6	5	30	32	13	M22×1.5	45	4	25	22
100	50	45	7	5	35	36	13	M26×1.5	55	4	32	27

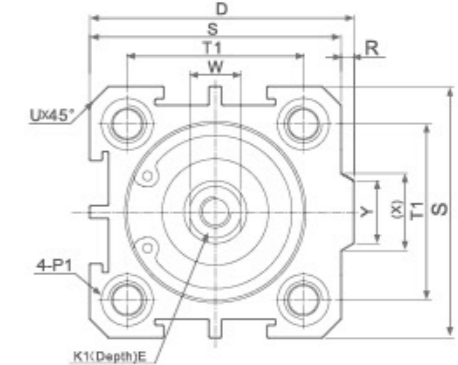
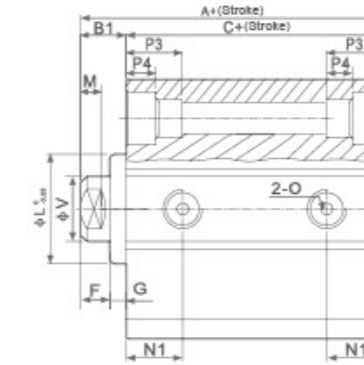
SDA Series Thin Type(Compact) Cylinder

Overall Dimensions

SDA.SDAS Type
Φ12-Φ16



SDA.SDAS Type
Φ20-Φ100



Dimension Sheet

Type Bore Size/Symbol	Standart Type			Attach Magnet			D	E		F	G	K1	L	M	N1
	A	B1	C	A	B1	C		Stroke≤10	Stroke>10						
12	22	5	17	32	5	27	-	6	4	1	M3×0.5	10.2	2.8	6.3	
16	24	5.5	18.5	34	5.5	28.5	-	6	4	1.5	M3×0.5	11	2.8	7.3	
20	25	5.5	19.5	35	5.5	29.5	36	8	4	1.5	M4×0.7	15	2.8	7.5	
25	27	6	21	37	6	31	42	10	4	2	M5×0.8	17	2.8	8	
32	31.5	7	24.5	41.5	7	34.5	50	12	4	3	M6×1	22	2.8	9	
40	33	7	28	43	7	36	58.5	12	4	3	M8×1.25	28	2.8	10	
50	37	9	28	47	9	38	71.5	15	5	4	M10×1.5	38	2.8	10.5	
63	41	9	32	51	9	42	84.5	15	5	4	M10×1.5	40	2.8	11.8	
80	52	11	41	62	11	51	104	15	6	5	M14×1.5	45	4	14.5	
100	63	12	51	73	12	61	124	18	7	5	M18×1.5	55	4	20.5	

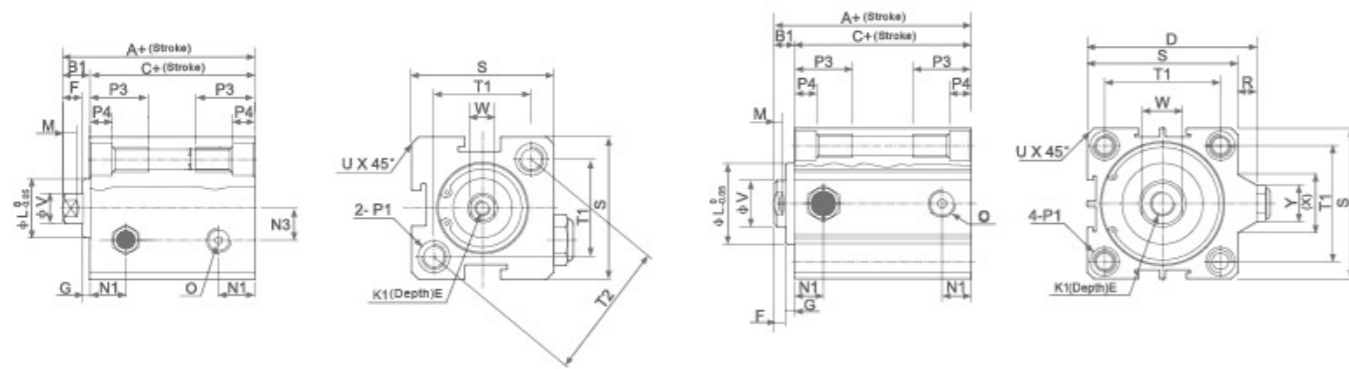
Bore Size/Symbol	N3	O	P1	P3	P4	R	S	T1	T2	U	V	W	X	Y
16	6.5	M5×0.8	Double Sides:Φ6.5/Thread:M5×0.8/Through ports:Φ4.2	12	4.5	-	29	19.8	28	1.6	6	5	-	-
20	-	M5×0.8	Double Sides:Φ6.5/Thread:M5×0.8/Through ports:Φ4.2	14	4.5	2	34	24	-	2.1	8	6	11.3	10
25	-	M5×0.8	Double Sides:Φ8.2/Thread:M6×1.0/Through ports:Φ4.6	15	5.5	2	40	28	-	3.1	10	8	12	10
32	-	G1/8"	Double Sides:Φ8.2/Thread:M6×1.0/Through ports:Φ4.6	16	5.5	6	44	34	-	2.15	12	10	18.3	15
40	-	G1/8"	Double Sides:Φ10/Thread:M8×1.25/Through ports:Φ6.5	20	7.5	6.5	52	40	-	2.25	16	14	21.3	16
50	-	G1/4"	Double Sides:Φ11/Thread:M8×1.25/Through ports:Φ6.5	25	8.5	9.5	62	48	-	4.15	20	17	28.7	20
63	-	G1/4"	Double Sides:Φ11/Thread:M8×1.25/Through ports:Φ6.5	25	8.5	9.5	75	60	-	3.15	20	17	28.7	20
80	-	G3/8"	Double Sides:Φ14/Thread:M12×1.75/Through ports:Φ9.2	25	10.5	10	94	74	-	3.65	25	22	36	26
100	-	G3/8"	Double Sides:Φ17.5/Thread:M14×2/Through ports:Φ11.3	30	13	10	114	90	-	3.65	32	27	35	26

SDA Series Thin Type(Compact) Cylinder

Overall Dimensions

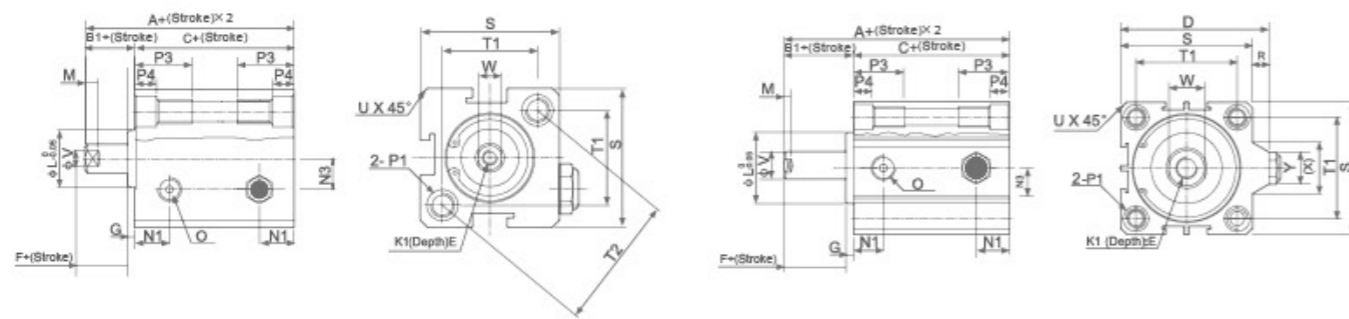
SSA.SSAS Type φ 12-φ 16

SSA.SSAS Type φ 20-φ 40



STA.STAS Type φ 12-φ 16

STA.STAS Type φ 20-φ 40



Dimension Sheet

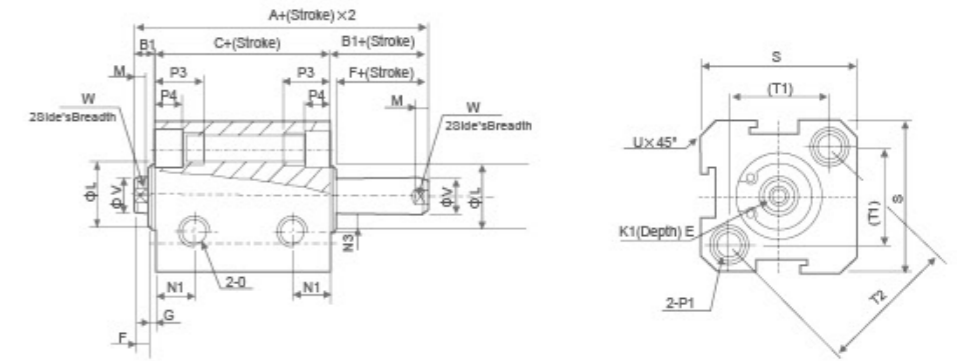
Type Bore Stroke/ Symbol	Standard Type		Attach Magnet			D	E	F	G	K1	L	M	N1					
	A	B1	C	A	B1									C				
	≤10	>10	≤10	>10	≤10									>10				
12	32	42	5	27	37	42	52	5	37	47	-	6	4	1	M3x0.5	10.2	2.8	6.3
16	34	44	5.5	28.5	38.5	44	54	5.5	38.5	48.5	-	6	4	1.5	M3x0.5	11	2.8	7.3
20	35	45	5.5	29.5	39.5	45	55	5.5	39.5	49.5	36	8	4	1.5	M4x0.7	16	2.8	7.5
25	37	47	6	34	41	47	57	6	41	51	42	10	4	2	M5x0.8	17	2.8	8
32	41.5	51.5	7	34.5	44.5	51.5	61.5	7	44.5	54.4	50	12	4	3	M6x1	22	2.8	9
40	43	53	7	36	46	53	63	7	46	56	58.5	12	4	3	M8x1.25	28	2.8	10

Bore Stroke/ Symbol	N3	O	P1	P3	P4	R	S	T1	T2	U	V	W	X	Y
12	6	M5x0.8	Double Sides:Φ6.5/Thread:M5x0.8/Through ports:Φ4.2	12	4.5	-	25	16.2	23	1.6	6	5	-	-
16	6.5	M5x0.8	Double Sides:Φ6.5/Thread:M5x0.8/Through ports:Φ4.2	12	4.5	-	29	19.8	28	1.6	6	5	-	-
20	-	M5x0.8	Double Sides:Φ6.5/Thread:M5x0.8/Through ports:Φ4.2	14	4.5	2	34	24	-	2.1	8	6	11.3	10
25	-	M5x0.8	Double Sides:Φ8.2/Thread:M6x1.0/Through ports:Φ4.6	15	5.5	2	40	28	-	3.1	10	8	12	10
32	-	G1/8"	Double Sides:Φ8.2/Thread:M6x1.0/Through ports:Φ4.6	16	5.5	6	44	34	-	2.15	12	10	18.3	15
40	-	G1/8"	Double Sides:Φ10/Thread:M8x1.25/Through ports:Φ6.5	20	7.5	6.5	52	40	-	2.25	16	14	21.3	16
50	-	G1/4"	Double Sides:Φ11/Thread:M8x1.25/Through ports:Φ6.5	25	8.5	9.5	62	48	-	4.15	20	17	30	20
63	-	G1/4"	Double Sides:Φ11/Thread:M8x1.25/Through ports:Φ6.5	25	8.5	9.5	75	60	-	3.15	20	17	28.7	20
80	-	G3/8"	Double Sides:Φ14/Thread:M12x1.75/Through ports:Φ9.2	25	10.5	10	94	74	-	3.65	25	22	36	26
100	-	G3/8"	Double Sides:Φ17.5/Thread:M14x2/Through ports:Φ11.3	30	13	10	114	90	-	3.65	32	27	35	26

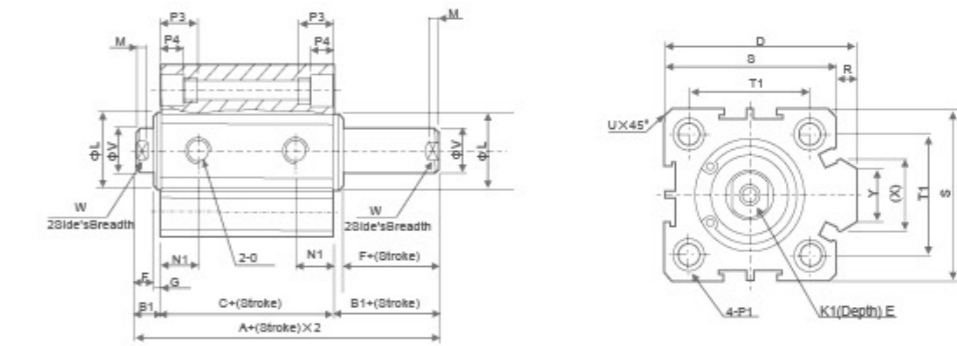
SDA Series Thin Type(Compact) Cylinder

Overall Dimensions

SDAD.SDADS Type φ12-φ16



SDAD.SDADS Type φ20-φ100



Dimension Sheet

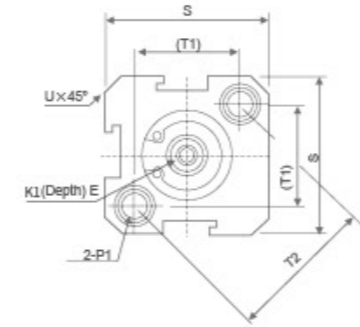
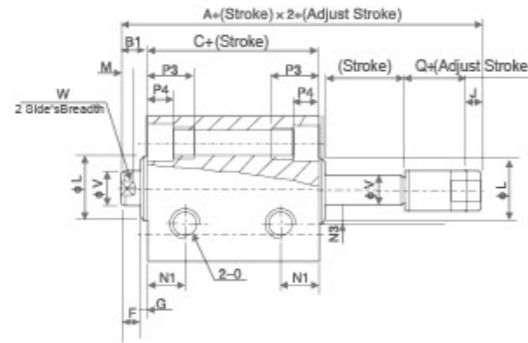
Type	Standart Type			Attach Magnet			D	E		F	G	K1	L	M	N1
	A	B1	C	A	B1	C		Stroke≤10	Stroke>10						
12	27	5	17	37	5	27	-	6	4	1	M3x0.5	10.2	2.8	6.3	
16	29.5	5.5	18.5	39.5	5.5	28.5	-	6	4	1.5	M3x0.5	11	2.8	7.3	
20	30.5	5.5	19.5	40.5	5.5	29.5	36	8(Stroke=5/itis6.5)	4	1.5	M4x0.7	16	2.8	7.5	
25	33	6	21	43	6	31	42	10(Stroke=5/itis7)	4	2	M5x0.8	17	2.8	8	
32	38.5	7	24.5	48.5	7	34.5	50	8	4	3	M6x1	22	2.8	9	
40	40	7	28	50	7	36	58.5	9	4	3	M8x1.25	28	2.8	10	
50	46	9	28	56	9	38	71.5	11	5	4	M10x1.5	38	2.8	10.5	
63	50	9	32	60	9	42	84.5	11	5	4	M10x1.5	40	2.8	11.8	
80	63	11	41	73	11	51	104	14	6	5	M14x1.5	45	4	14.5	
100	75	12	51	85	12	61	124	18	7	5	M18x1.5	55	4	20.5	

Bore Size/Symbol	N3	O	P1	P3	P4	R	S	T1	T2	U	V	W	X	Y
12	6	M5x0.8	Double Sides:Φ6.5/Thread:M5x0.8/Through ports:Φ4.2	12	4.5	-	25	16.2	23	1.6	6	5	-	-
16	6.5	M5x0.8	Double Sides:Φ6.5/Thread:M5x0.8/Through ports:Φ4.2	12	4.5	-	29	19.8	28	1.6	6	5	-	-
20	-	M5x0.8	Double Sides:Φ6.5/Thread:M5x0.8/Through ports:Φ4.2	14	4.5	2	34	24	-	2.1	8	6	11.3	10
25	-	M5x0.8	Double Sides:Φ8.2/Thread:M6x1.0/Through ports:Φ4.6	15	5.5	2	40	28	-	3.1	10	8	12	10
32	-	G1/8"	Double Sides:Φ8.2/Thread:M6x1.0/Through ports:Φ4.6	16	5.5	6	44	34	-	2.15	12	10	18.3	15
40	-	G1/8"	Double Sides:Φ10/Thread:M8x1.25/Through ports:Φ6.5	20	7.5	6.5	52	40	-	2.25	16	14	21.3	16
50	-	G1/4"	Double Sides:Φ11/Thread:M8x1.25/Through ports:Φ6.5	25	8.5	9.5	62	48	-	4.15	20	17	30	20
63	-	G1/4"	Double Sides:Φ11/Thread:M8x1.25/Through ports:Φ6.5	25	8.5	9.5	75	60	-	3.15	20	17	28.7	20
80	-	G3/8"	Double Sides:Φ14/Thread:M12x1.75/Through ports:Φ9.2	25	10.5	10	94	74	-	3.65	25	22	36	26
100	-	G3/8"	Double Sides:Φ17.5/Thread:M14x2/Through ports:Φ11.3	30	13	10	114	90	-	3.65	32	27	35	26

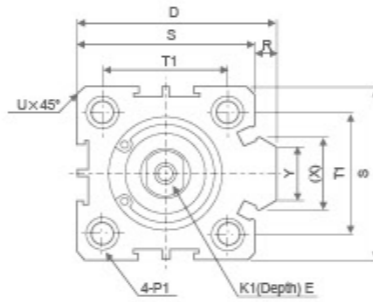
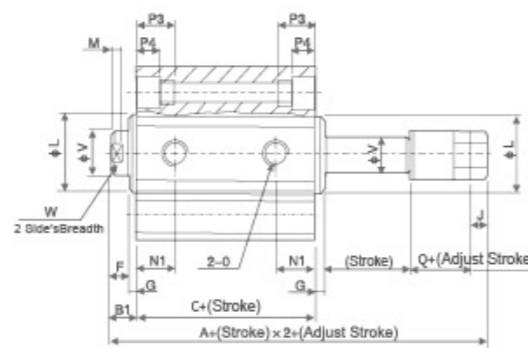
SDA Series Thin Type(Compact) Cylinder

Overall Dimensions

SDAJ.SDAJS Type
Φ12~Φ16



SDAJ.SDAJS Type
Φ20~Φ100



Dimension Sheet

Type	Standart Type			Attach Magnet			D	E		F	G	K1	L	M	N1
	A	B1	C	A	B1	C		Stroke≤10	Stroke>10						
12	22	5	17	32	5	27	-	6	4	1	M3×0.5	10.2	2.8	6.3	
16	24	5.5	18.5	34	5.5	28.5	-	6	4	1.5	M3×0.5	11	2.8	7.3	
20	25	5.5	19.5	35	5.5	29.5	36	8	4	1.5	M4×0.7	15	2.8	7.5	
25	27	6	21	43	6	31	42	10	4	2	M5×0.8	17	2.8	8	
32	31.5	7	24.5	41.5	7	34.5	50	12	4	2	M6×1	22	2.8	9	
40	33	7	28	43	7	36	58.5	12	4	3	M8×1.25	28	2.8	10	
50	37	9	28	47	9	38	71.5	15	5	4	M10×1.5	38	2.8	10.5	
63	41	9	32	51	9	42	84.5	15	5	4	M10×1.5	40	2.8	11.8	
80	52	11	41	62	11	51	104	15	6	5	M14×1.5	45	4	14.5	
100	63	12	51	73	12	61	124	18	7	5	M18×1.5	55	4	20.5	

Bore Size/Symbol	N3	O	P1	P3	P4	R	S	T1	T2	U	V	W	X	Y
12	6	M5×0.8	Double Sides:Φ6.5/Thread:M5×0.8/Through ports:Φ4.2	12	4.5	-	25	16.2	23	1.6	6	5	-	-
16	6.5	M5×0.8	Double Sides:Φ6.5/Thread:M5×0.8/Through ports:Φ4.2	12	4.5	-	29	19.8	28	1.6	6	5	-	-
20	-	M5×0.8	Double Sides:Φ6.5/Thread:M5×0.8/Through ports:Φ4.2	14	4.5	2	34	24	-	2.1	8	6	11.3	10
25	-	M5×0.8	Double Sides:Φ6.5/Thread:M6×1.0/Through ports:Φ4.6	15	5.5	2	40	28	-	3.1	10	8	12	10
32	-	G1/8"	Double Sides:Φ6.5/Thread:M6×1.0/Through ports:Φ4.6	16	5.5	6	44	34	-	2.15	12	10	18.3	15
40	-	G1/8"	Double Sides:Φ6.5/Thread:M8×1.25/Through ports:Φ6.5	20	7.5	6.5	52	40	-	2.25	16	14	21.3	16
50	-	G1/4"	Double Sides:Φ6.5/Thread:M8×1.25/Through ports:Φ6.5	25	8.5	9.5	62	48	-	4.15	20	17	30	20
63	-	G1/4"	Double Sides:Φ6.5/Thread:M8×1.25/Through ports:Φ6.5	25	8.5	9.5	75	60	-	3.15	20	17	28.7	20
80	-	G3/8"	Double Sides:Φ6.5/Thread:M12×1.75/Through ports:Φ9.2	25	10.5	10	94	74	-	3.65	25	22	36	26
100	-	G3/8"	Double Sides:Φ6.5/Thread:M12×1.75/Through ports:Φ11.3	30	13	10	114	90	-	3.65	32	27	35	26

CQ2 Series Compact Cylinder



CDQ2B 20 × 25D



CDQ2B 40 × 25



CQ2B 32 × 30-M

Ordering Code

CQ2 **12** × **10** **D**

Series Code
 CQ2:Normal Type
 CDQ2:Attach magnet Type

Mounting Style
 B:With through bore
 A:With female thread on both ends

Cylinder Bore
 Single action:12mm-50mm
 Double action:12mm-100mm

Stroke
 0~100mm

Action
 D:Double action
 S:Single action(with spring return)
 T:Single action(with spring extent)

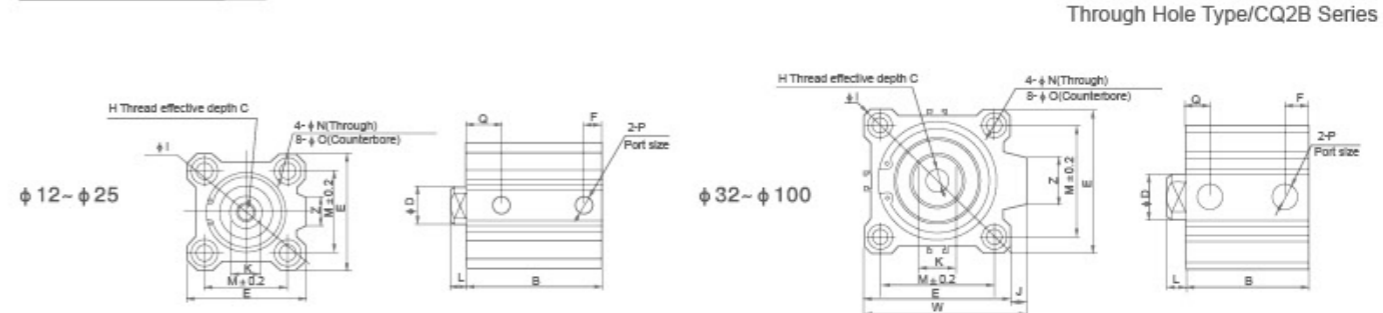
Cylinder body (optional)
 Blank:Inner Thread
 M:Outer Thread
 C:With Cushion

Specification

Bore(mm)	12	16	20	25	32	40	50	63	80	100
Working Medium	Air									
Motion Pattern	Double action/Single Action Extrusion type/Single Action Drawing-in Type									
Ensured Pressure Resistance	15.3kgf/cm ² (1.5Mpa)									
Max.pressure	10.2kgf/cm ² (1.0Mpa)									
Environment And Fluid Temp	5~+60℃									
Thread Type	Inner Thread(Standard)/Outer Thread(Optional)									
Buffering	NO									
Margin of Stroke Error(mm)	±0									
Installation	Through Hole (Standard), Inner size on the two sides(Optional)									
Port size	M5×0.8			G1/8"			G1/4"		G3/8"	

Note:Pls Confirm Single Type Can't With Cushion.

Overall Dimensions



CQ2 Series Compact Cylinder

Dimension Sheet(Double Action)

Model	Stroke range (mm)	B	ΦD	E	F	H	C	ΦI	J	K	L	M	ΦN	ΦO	P	Q	W	Z	Note 2) Long Stroke					
																			Model	Stroke (mm)	B	F	P	Q
CQ2B12-□D	5~30	17+st	6	25	5	M3×0.5	6	32	-	5	3.5	15.5	3.5	6.5 depth 3.5	M5×0.8	7.5	-	-	32	75,100	33	7.5	1/8	10.5
CQ2B16-□D	5~30	18.5+st	8	29	5.5	M4×0.7	8	38	-	6	3.5	20	3.5	6.5 depth 3.5	M5×0.8	8	-	10	40	75,100	39.5	8	1/8	11
CQ2B20-□D	5~50	19.5+st	10	36	5.5	M6×0.8	7	47	-	8	4.5	25.5	5.5	9 depth 7	M5×0.8	9	-	10	50	75,100	40.5	10.5	1/4	10.5
CQ2B25-□D	5~50	22.5+st	12	40	5.5	M8×1.0	12	52	-	10	5	28	5.5	9 depth 7	M5×0.8	11	-	10	63	75,100	46	10.5	1/4	15
CQ2B32-□D	5 10~50	23+st	16	45	5.5 7.5	M8×1.25	13	60	4.5	14	7	34	5.5	9 depth 7	M5×0.8 1/8	11.5 10.5	49.5	18	80	75,100	53.5	12.5	3/8	16
CQ2B40-□D	5~50	29.5+st	18	52	8	M8×1.25	13	69	5	14	7	40	5.5	9 depth 7	1/8	11	57	18	100	75,100	63	13	3/8	23
CQ2B50-□D	10~50	30.5+st	20	64	10.5	M10×1.5	15	86	7	17	8	50	6.6	11 depth 8	1/4	10.5	71	22						
CQ2B63-□D	10~50	38+st	20	77	10.5	M10×1.5	15	103	7	17	8	60	9	14 depth 10.5	1/4	15	84	22						
CQ2B80-□D	10~50	43.5+st	25	98	12.5	M16×2.0	21	132	6	22	10	77	11	17.5 depth 13.5	3/8	16	104	26						
CQ2B100-□D	10~50	53+st	30	117	13	M20×2.5	27	158	6.5	27	12	94	11	17.5 depth 13.5	3/8	23	123.5	26						

St=Stroke

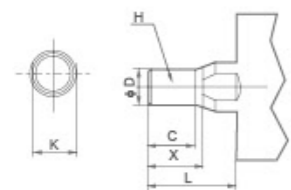
Note 1)The standard stroke is at a distance of each 5 mm.
 Note 2)The stroke between 55mm-100mm(55,60,65,70,80,85,90,95,)need to be added thickness of 5,10,15 or 20mm pad.
 Note 3)External dimensions with bumper are same as standard type as shown above.

Dimension Sheet(Single Action)

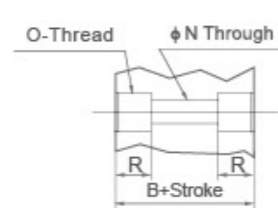
Model	B			ΦD	E	F		H	C	ΦI	J	K	L	M	ΦN	ΦO	P			Q		W	Z
	5st	10st	20st			5st	10st										5st	10st	20st	5st	10st		
CQ2B12-□S	22	27	-	6	25	5	5	M3×0.5	6	32	-	5	3.5	15.5	3.5	6.5 depth 3.5	M5×0.8	-	7.5	7.5	-	-	-
CQ2B16-□S	23.5	28.5	-	8	29	5.5	5.5	M4×0.7	8	38	-	6	3.5	20	3.5	6.5 depth 3.5	M5×0.8	-	8	8	-	10	-
CQ2B20-□S	24.5	29.5	-	10	36	5.5	5.5	M5×0.8	7	47	-	8	4.5	25.5	5.5	9 depth 7	M5×0.8	-	9	9	-	10	-
CQ2B25-□S	27.5	32.5	-	12	40	5.5	5.5	M6×1.0	12	52	-	10	5	28	5.5	9 depth 7	M5×0.8	-	11	11	-	10	-
CQ2B32-□S	28	33	-	16	45	5.5	7.5	M8×1.25	13	60	4.5	14	7	34	5.5	9 depth 7	M5×0.8 1/8	-	11.5	11.5	49.5	18	-
CQ2B40-□S	34.5	39.5	-	16	52	8	8	M8×1.25	13	69	5	14	7	40	5.5	9 depth 7	1/8	-	11	11	57	18	-
CQ2B50-□S	-	40.5	50.5	20	64	10.5	10.5	M10×1.5	15	86	7	17	8	50	6.6	11 depth 8	-	1/4	10.5	10.5	71	22	-

St=Stroke

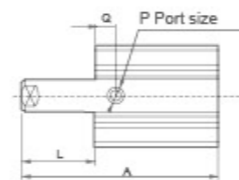
Outer Thread Type



(Inner Thread Type)/CQ2A



Single Action (with Spring extent) φ 12~ φ 50



Outer Thread Type

Bore(mm)	C	X	ΦD	H	L	K
12	9	10.5	6	M5×0.8	14	5
16	10	12	8	M6×1.0	15.5	6
20	12	14	10	M8×1.25	18.5	8
25	15	17.5	12	M10×1.25	22.5	10
32	10.5	13.5	16	M14×1.5	28.5	14
40	20.5	23.5	16	M14×1.5	28.5	14
50	26	28.5	20	M18×1.5	33.5	17
63	26	28.5	20	M18×1.5	33.5	17
80	32.5	35.5	25	M22×1.5	43.5	22
100	32.5	35.5	30	M26×1.5	43.5	27

Note3)Inner Thread Type

Bore(mm)	O	R
12	M4×0.7	7
16	M4×0.7	7
20	M6×1.0	10
25	M6×1.0	10
32	M6×1.0	10
40	M6×1.0	10
50	M8×1.25	14
63	M10×1.5	18
80	M12×1.75	22
100	M12×1.75	22

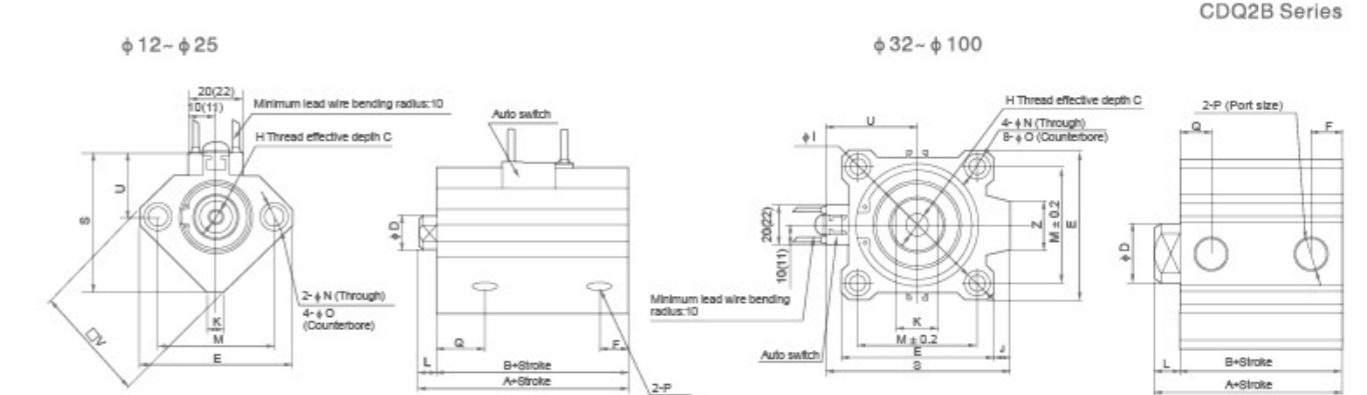
Single Action (with Spring extent)

Bore (mm)	A			L		
	5st	10st	20st	5st	10st	20st
12	30.5	40.5	-	8.5	13.5	-
16	32	42	-	8.5	13.5	-
20	34	44	-	9.5	14.5	-
25	37.5	47.5	-	10	15	-
32	40	50	-	12	17	-
40	46.5	56.5	-	12	17	-
50	-	58.5	78.5	-	18	28

External dimensions with bumper are same as standard type as shown above.

CQ2 Series Compact Cylinder

Overall Dimensions



Dimension Sheet(Double Action)

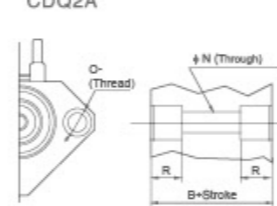
Model	Stroke range (mm)	A	B	ΦD	E	F	H	C	ΦI	J	K	L	M	ΦN	ΦO	P	Q	S	U	V	Z
CDQ2B16	5~30	34	30.5	8	38	5.5	M4×0.7	8	-	-	6	3.5	28	3.5	6.5 depth 3.5	M5×0.8	10	41.5	22.5	29	-
CDQ2B20	5~50	36	31.5	10	46.8	5.5	M5×0.8	7	-	-	8	4.5	36	5.5	9 depth 7	M5×0.8	10.5	48	24.5	36	-
CDQ2B25	5~50	37.5	32.5	12	52	5.5	M6×1.0	12	-	-	10	5	40	5.5	9 depth 7	M5×0.8	11	53.5	27.5	40	-
CDQ2B32	5~50	40	33	16	45	7.5	M8×1.25	13	60	4.5	14	7	34	5.5	9 depth 7	1/8	10.5	58.5	31.5	-	18
CDQ2B40	5~50	46.5	39.5	16	52	8	M8×1.25	13	69	5	14	7	40	5.5	9 depth 7	1/8	11	66	35	-	18
CDQ2B50	10~50	48.5	40.5	20	64	10.5	M10×1.5	15	86	7	17	8	50	6.6	11 depth 8	1/4	10.5	80	41	-	22
CDQ2B63	10~50	54	46	20	77	10.5	M10×1.5	15	103	7	17	8	60	9	14 depth 10.5	1/4	15	93	47.5	-	22
CDQ2B80	10~50	63.5	53.5	25	98	12.5	M16×2.0	21	132	6	22	10	77	11	17.5 depth 13.5	3/8	16	112.5	57.5	-	26
CDQ2B100	10~50	75	63	30	117	13	M20×2.5	27	156	6.5	27	12	94	11	17.5 depth 13.5	3/8	23	132.5	67.5	-	26

Note2) (Long Stroke)

Model	Stroke (mm)	A	B	F	P	Q
32	75,100	40	33	7.5	1/8	10.5
40	75,100	46.5	39.5	8	1/8	11
50	75,100	48.5	40.5	10.5	1/4	10.5
63	75,100	54	46	10.5	1/4	15
80	75,100	63.5	53.5	12.5	3/8	16
100	75,100	75	63	13	3/8	23

Note 1)The standard stroke is at a distance of each 5 mm.
 Note 2)The stroke between 55mm-100mm(55,60,65,70,80,85,90,95,)need to be added thickness of 5,10,15 or 20mm pad.
 Note 3)External dimensions with bumper are same as standard type as shown above.
 Note 4)The stroke of cylinder in 5 mm can be fixed only one magnetism switch

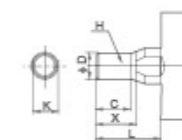
Inner Thread Type CDQ2A



Note3)Inner Thread Type

Bore (mm)	O	R
12	M4×0.7	7
16	M4×0.7	7
20	M6×1.0	10
25	M6×1.0	10
32	M6×1.0	10
40	M6×1.0	10
50	M8×1.25	14
63	M10×1.5	18
80	M12×1.75	22
100	M12×1.75	22

Outer Thread type



Outer Thread type

Bore (mm)	C	X	ΦD	H	L	K
12	9	10.5	6	M5×0.8	14	5
16	10	12	8	M6×1.0	15.5	6
20	12	14	10	M8×1.25	18.5	8
25	15	17.5	12	M10×1.25	22.5	10
32	20.5	23.5	16	M14×1.5	28.5	14
40	20.5	23.5	16	M14×1.5	28.5	14
50	26	28.5	20	M18×1.5	33.5	17
63	26	28.5	20	M18×1.5	33.5	17
80	32.5	35.5	25	M22×1.5	43.5	22
100	32.5	35.5	30	M26×1.5	43.5	27

CJP Series Needle Cylinder



CJPB 10x15

Ordering Code

CJP × **10** × **5** - **B**

Series Code
 CJPB:Panel Mount Type
 CJPS:Invisible Type
 CJPD:Double Action

Cylinder Bore
 6mm
 10mm
 15mm

Stroke
 0~30mm

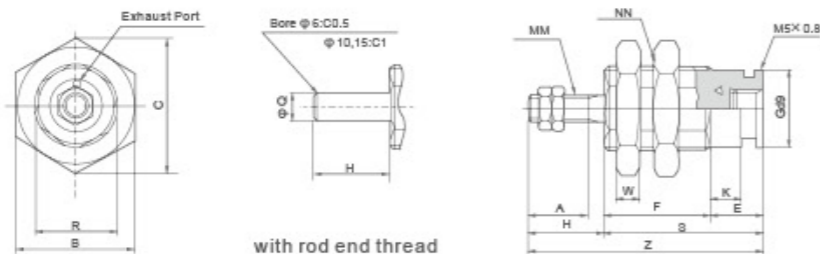
Thread Type
 Blank:With Thread
 B:No. Thread

Specification

Bore(mm)	6	10	15
Working Medium	Air		
Motion Pattern	Double action / Single Action(Drawing-in Type)		
Ensured Pressure Resistance	10.5kgf/cm ² (1.05Mpa)		
Max.pressure	7kgf/cm ² (0.7Mpa)		
Min.pressure	2kgf/cm ² (0.2Mpa)	1.5kgf/cm ² (0.15Mpa)	
Operating Temperature Range	5~+60℃		
Buffering	NO		
Margin of Stroke Error(mm)	+1.0 0		
Port size	M5x0.8 Panel mount Type		

Overall Dimensions

Panel Mounting Style
CJPB

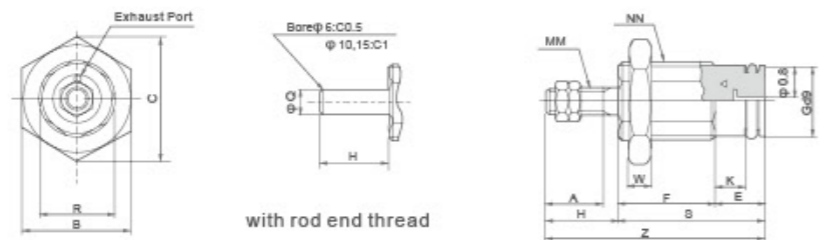


Dimension Sheet

Bore(mm)	A	B	C	E	F			ΦG	H	K	MM	NN	R	S			W	Z			Q
					5st	10st	20st							5st	10st	20st		5st	10st	20st	
6	7	12	13.9	6	12.5	19.5	26.5	8.5	9	3.5	M3x0.5	M10x1.0	9	18.5	22.5	32.5	3	27.5	34.5	41.5	3
10	10	19	22	6	14.5	21	28	12	12	3.5	M4x0.7	M15x1.5	13	20.5	27	34	4	32.5	39	46	5
15	12	27	31	7	16.5	22.5	29	19	14	4.2	M5x0.8	M22x1.5	20	23.5	29.5	36	5	37.5	43.5	50	6

Overall Dimensions

(Plug Mounting Style)
CJPS



Dimension Sheet

Bore(mm)	A	B	C	E	F			ΦG	H	K	MM	NN	R	S			W	Z			Q
					5st	10st	20st							5st	10st	20st		5st	10st	20st	
6	7	12	13.9	6	12.5	19.5	26.5	8.5	9	3.5	M3x0.5	M10x1.0	9	18.5	22.5	32.5	3	27.5	34.5	41.5	3
10	10	19	22	6	14.5	21	28	12	12	3.5	M4x0.7	M15x1.5	13	20.5	27	34	4	32.5	39	46	5
15	12	27	31	7	16.5	22.5	29	19	14	4.2	M5x0.8	M22x1.5	20	23.5	29.5	36	5	37.5	43.5	50	6

Rotary table/Air gripper/Rodless Cylinders

Cylinders for special industries and requirement. XCPC provide the highest quality products of these cylinders in China. It is the high cost effective product you can find in our company. They are include: TN/CXS(Double-Shaft),MGP(Three-Shaft),MSQ/CRQ2/CRA1(Rotary table), XHZ/XHC/XHY(Clamp Gripper), XHL(Parallel style), XHT(Angle Gripper),XHS(Round Body) and CY3(Rodless).etc.



TN Series Double-Shaft Cylinder



TN 20 x 25

Ordering Code

TN × **20** × **50** - **S**

Series Code
Double-Shaft
Double Action Type

Cylinder Bore
10mm
16mm
20mm
25mm
32mm

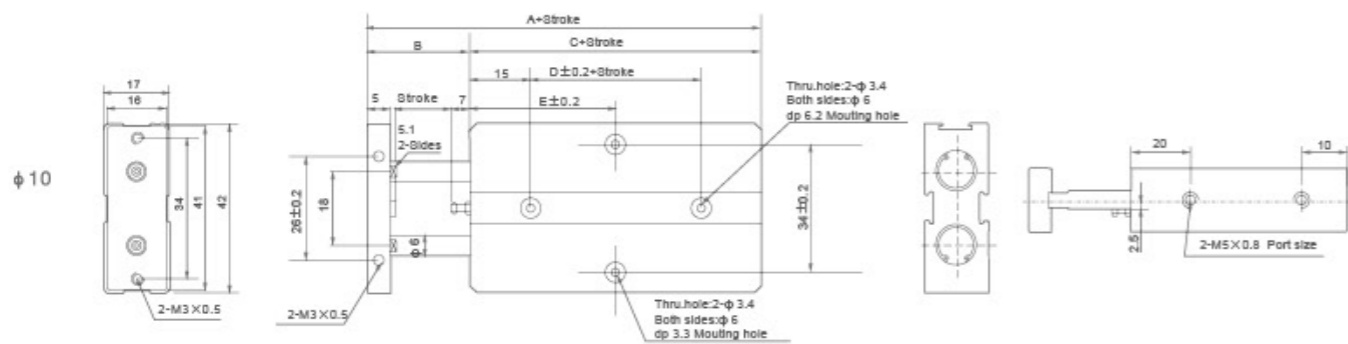
Stroke

Magnet Code
Blank: Without Magnet
Magnet
S: Attach Magnet

Specification

Bore(mm)	10	16	20	25	32
Motion Pattern	Double action				
Working Medium	Air				
Operating Pressure Range	1~9kgf/cm ²				
Ensured Pressure Resistance	10.5kgf/cm ²				
Operating Temperature Range	-5~+70℃				
Operating Speed Range	100~500mm/s				
Adjustable Stroke	-10~0mm				
Cushion Type	Adjustable Cushion				
Non-rotating Precision	0.4℃		0.3℃		
Port Size	M5x0.8			G1/8"	

Overall Dimensions

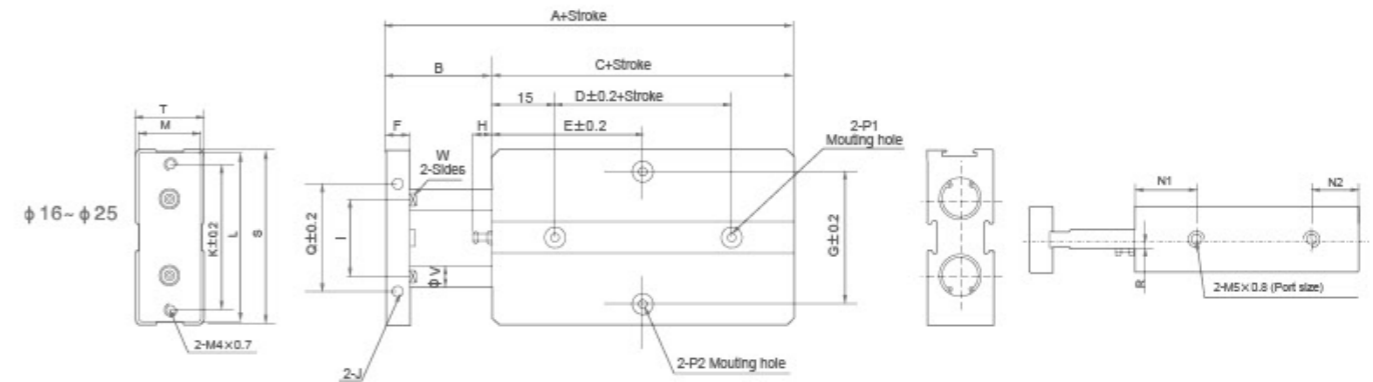


Dimension Sheet

Bore size Item	A	B	C	D	E						
					10	20	30	40	50	60	70
10	63	12	51	10	30	30	35	40	45	50	55

TN Series Double-Shaft Cylinder

Overall Dimensions

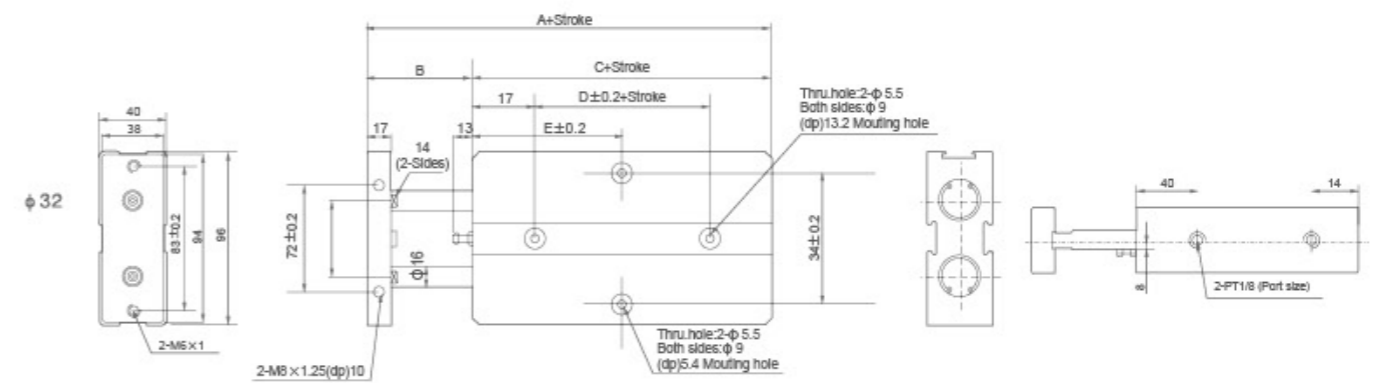


Dimension Sheet

Bore size Item	A	B	C	D	E											F	G	H	I	
					10	20	30	40	50	60	70	80	90	100	125					150
16	68	15	53	20	30	35	40	45	50	55	60	65	70	75	87.5	100	8	47	6	24
20	78	20	58	20	35	35	40	45	50	55	60	65	70	75	87.5	100	10	55	9	28
25	81	19	62	30	40	40	45	50	55	60	65	70	75	80	92.5	105	10	66	8	34

Bore size/Item	J	K	L	M	N1	N2	P1		P2		Q	R	S	T	V	M
							Both sides : Φ7.5(dp) 7.2mm Thru.hole: Φ4.5	Both sides : Φ8(dp) 4.4mm Thru.hole: Φ4.5	Both sides : Φ7.5(dp) 7.2mm Thru.hole: Φ4.5	Both sides : Φ8(dp) 4.4mm Thru.hole: Φ4.5						
16	M4x0.7/dp 5	47	53	20	22	11	Both sides : Φ7.5(dp) 7.2mm Thru.hole: Φ4.5	Both sides : Φ8(dp) 4.4mm Thru.hole: Φ4.5	34	3	54	21	8	6.1		
20	M4x0.7/dp 5	55	61	24	25	12	Both sides : Φ7.5(dp) 7.2mm Thru.hole: Φ4.5	Both sides : Φ8(dp) 4.4mm Thru.hole: Φ4.5	44	3.5	62	25	10	8.1		
25	M4x0.7/dp 6	66	72	29	27	12	Both sides : Φ7.5(dp) 7.2mm Thru.hole: Φ4.5	Both sides : Φ8(dp) 4.4mm Thru.hole: Φ4.5	56	7	73	30	12	10.2		

Overall Dimensions



Dimension Sheet

Bore size Item	A	B	C	D	E											
					10	20	30	40	50	60	70	80	90	100	125	150
32	108	30	78	35	45	50	55	60	65	70	75	80	85	90	102.5	115

CXS Series Double-Shaft Cylinder



CXS 20 x 50

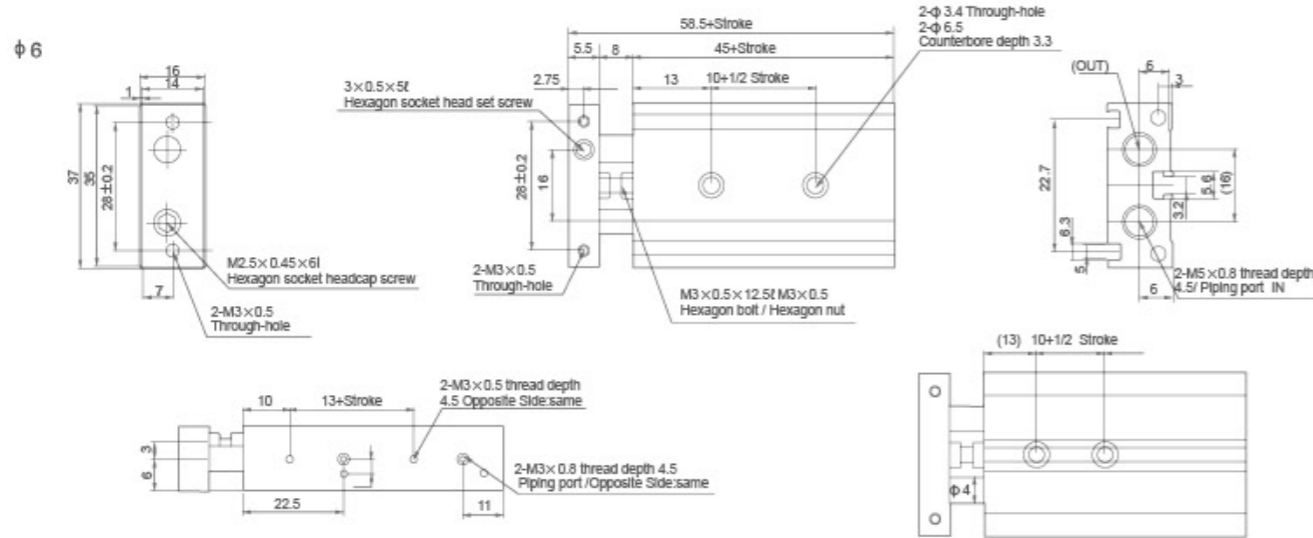
Ordering Code

CXS	M	20	×	50
Series Code CXS:Attach Magnet Type	Type Of Bearing M:Slide Bearing Type L:Ball Guide Bearing Type	Cylinder Bore 6mm 10mm 15mm 20mm 25mm 32mm		Stroke Φ6: 0~50mm Φ10~32: 0~100mm

Specification

Bore(mm)	6	10	16	20	25	32	
Working Medium	Air						
Motion Pattern	Double action						
Ensured Pressure Resistance	1.05Mpa(10.7kgf/cm ²)						
Max.pressure	0.7Mpa(7.1kgf/cm ²)						
Min.pressure	0.15Mpa(1.5kgf/cm ²)	0.1Mpa(1.0kgf/cm ²)				0.05Mpa(0.51kgf/cm ²)	
Operating Temperature Range	5~+60℃						
Buffering	Both ends buffer						
Structure	Double Power						
Stroke Adjustable Range	Return Stroke: 0~5mm						
Bearing	Slide Bearing/Ball Guide Bearing						
Precision of	Slide Bearing	±0.1	±0.15	±0.13	±0.11	±0.1	±0.08
Piston rod Non-rotating	Ball Guide Bearing	±0.1	±0.1	±0.07	±0.06	±0.05	±0.04
Port size	M5×0.8 G1/8"						

Overall Dimensions

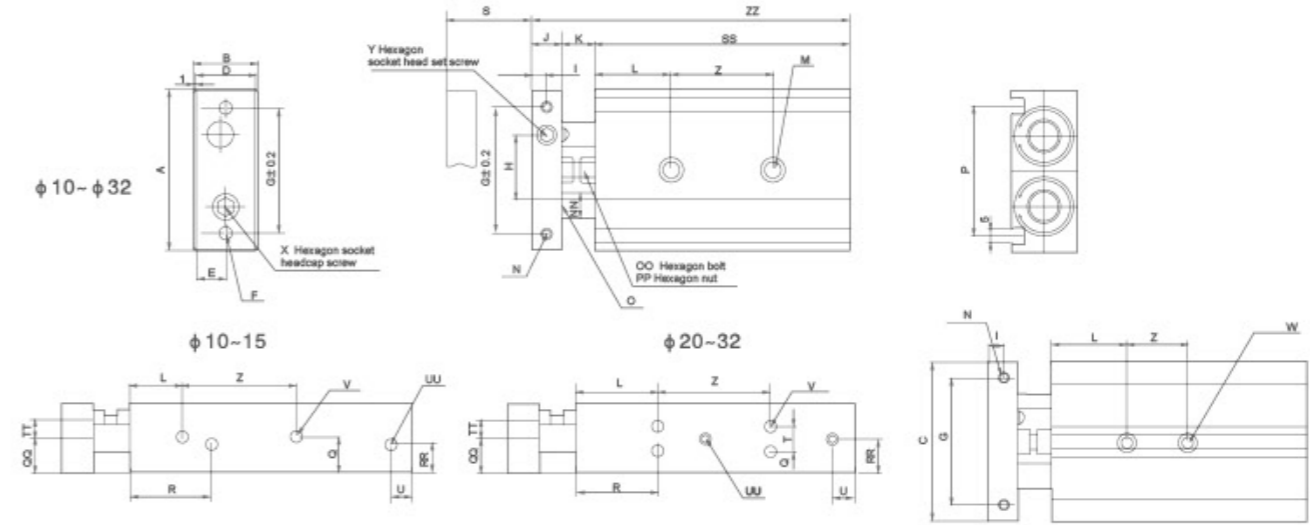


Dimension Sheet

Model	Stroke	10+1/2 Stroke	13+Stroke	45+Stroke	58.5+Stroke
CXSφ6-10	10	15	23	55	68.5
CXSφ6-20	20	20	33	65	78.5
CXSφ6-30	30	25	43	75	88.5
CXSφ6-40	40	30	53	85	95.5
CXSφ6-50	50	35	63	95	108.5

CXS Series Double-Shaft Cylinder

Overall Dimensions



Dimension Sheet

Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	NN	O	OO	P
CXSφ10-10 /20/30/40/50	46	17	44	15	7.5	2-M4×0.7	35	20	4	8	9	20	2-Φ3.4/through 2-Φ6.5 Counterbore depth3.3	2-M3×0.5 thread depth 5	Φ6	5	M4×0.7×14.5L	33.6
CXSφ15-10 /20/30/40/50	58	20	56	18	9	2-M5×0.8	45	25	5	10	9	30	2-Φ4.3/through 2-Φ8 Counterbore depth4.4	2-M4×0.7 thread depth 6	Φ8	6	M4×0.7×14.5L	48
CXSφ20-10/20/30/40/50/75/100	64	25	62	23	11.5	2-M5×0.8	50	28	6	12	12	30	2-Φ5.5/through 2-Φ9.5 Counterbore depth5.3	2-M4×0.7 thread depth 6	Φ10	8	M6×1.0×18.5L	53
CXSφ25-10/20/30/40/50/75/100	80	30	78	28	14	2-M6×1.0	60	35	6	12	12	30	2-Φ6.9/through 2-Φ11 Counterbore depth6.3	2-M5×0.8 thread depth 7.5	Φ12	10	M6×1.0×18.5L	64
CXSφ32-10/20/30/40/50/75/100	98	38	96	35	18	2-M6×1.0	75	44	8	16	14	30	2-Φ6.9/through 2-Φ11 Counterbore depth6.3	2-M5×0.8 thread depth 8	Φ16	13	M8×12.5×23L	76

Model	PP	Q	QQ	R	RR	T	TT	U	UU	V	W	X	Y
CXSφ10-10 /20/30/40/50	M4×0.7	8.5	7	30	7	-	5	8	4-M5×0.8 thread depth 4.5	4-M3×0.5 thread depth 4.5	4-M3×0.5 thread depth 4.5	M3×0.5×10L	M3×0.5×5L
CXSφ15-10 /20/30/40/50	M4×0.7	10	10	38.5	10	-	5	8	4-M5×0.8 thread depth 4.5	4-M4×0.7 thread depth 5	2-M5×0.8 thread depth 8	M5×0.8×10L	M4×0.7×4L
CXSφ20-10/20/30/40/50/75/100	M6×1.0	7.75	12.5	45	7.75	9.5	6.5	8	4-M5×0.8 thread depth 4.5	8-M4×0.7 thread depth 6	2-M6×1.0 thread depth 10	M6×1.0×12L	M5×0.8×5L
CXSφ25-10/20/30/40/50/75/100	M6×1.0	8.5	15	46	15	13	9	9	4-1/8 thread depth 6.5	8-M5×0.8 thread depth 7.5	2-M8×1.25 thread depth 12	M6×1.0×14L	M6×1.0×5L
CXSφ32-10/20/30/40/50/75/100	M8×1.25	9	19	56	19	20	11.5	10	4-1/8 thread depth 6.5	8-M5×0.8 thread depth 7.5	2-M8×1.25 thread depth 12	M8×1.25×16L	M8×1.25×8L

Model	S	SS	Z	ZZ	Model	S	SS	Z	ZZ	Model	S	SS	Z	ZZ	Model	S	SS	Z	ZZ
CXSφ10-10	10	65	82	30	CXSφ15-10	10	70	89	25	CXSφ20-10	10	80	104	30	CXSφ25-10	10	82	106	40
CXSφ10-20	20	75	92	40	CXSφ15-20	20	80	99	30	CXSφ20-20	20	90	114	40	CXSφ25-20	20	95	116	50
CXSφ10-30	30	85	102	50	CXSφ15-30	30	90	109	40	CXSφ20-30	30	100	124	50	CXSφ25-30	30	102	126	60
CXSφ10-40	40	95	112	60	CXSφ15-40	40	100	119	50	CXSφ20-40	40	110	134	60	CXSφ25-40	40	112	136	70
CXSφ10-50	50	105	122	70	CXSφ15-50	50	110	129	60	CXSφ20-50	50	120	144	70	CXSφ25-50	50	122	146	80
										CXSφ20-75	75	145	169	80	CXSφ25-75	75	147	171	90
										CXSφ20-100	100	170	194	90	CXSφ25-100	100	172	196	100

CU Series Free Installation Cylinder



CDU 25 x 30



CDUK 16 x 30

Ordering Code

CU **□** **10** × **30** — **□**

Series Code
CU:Normal Type
CDU:Attach
Magnet Type

Kinds
Blank:Normal Type
K:Non-Rotating
Piston Rod Type

Cylinder Bore
6mm
10mm
16mm
20mm
25mm
32mm

Stroke
0~50mm

Action
D:Double Action
S:Single Action Spring
Drawing-in Type
T:Single Action Spring
Extrusion Type

Specification

Bore(mm)	6	10	16	20	25	32
Working Medium	Air					
Motion Pattern	Double action/Single Action Extrusion type/Single Action Drawing-in Type					
Ensured Pressure Resistance	1.05Mpa(10.5kgf/cm ²)					
Max. Working-pressure	0.7Mpa(7.1kgf/cm ²)					
Min. operating pressure	Single	0.2MPa	0.15MPa			0.13MPa
	Double	0.12MPa	0.06MPa			0.05MPa
Ambient and Medium Temperature	Without auto switch:-10~70℃ (No freezing) With auto switch:-10~60℃ (No freezing)					
Lubrication	Non-lube					
Piston speed	50-500 mm/s					
Cushion	Rubber bumper ^{Note)}					
Rod end thread	Male thread					
Thread tolerance	Class 2					
Cushion	Both ends buffer					
Margin of Stroke Error(mm)	+1.0 0 mm					
Precision of Piston rod with Non-rotating	±0.8°				±0.5°	
Port Size	M5×0.8				G1/8"	

Note) Φ6 single acting with auto switch type: One side rubber bumper.

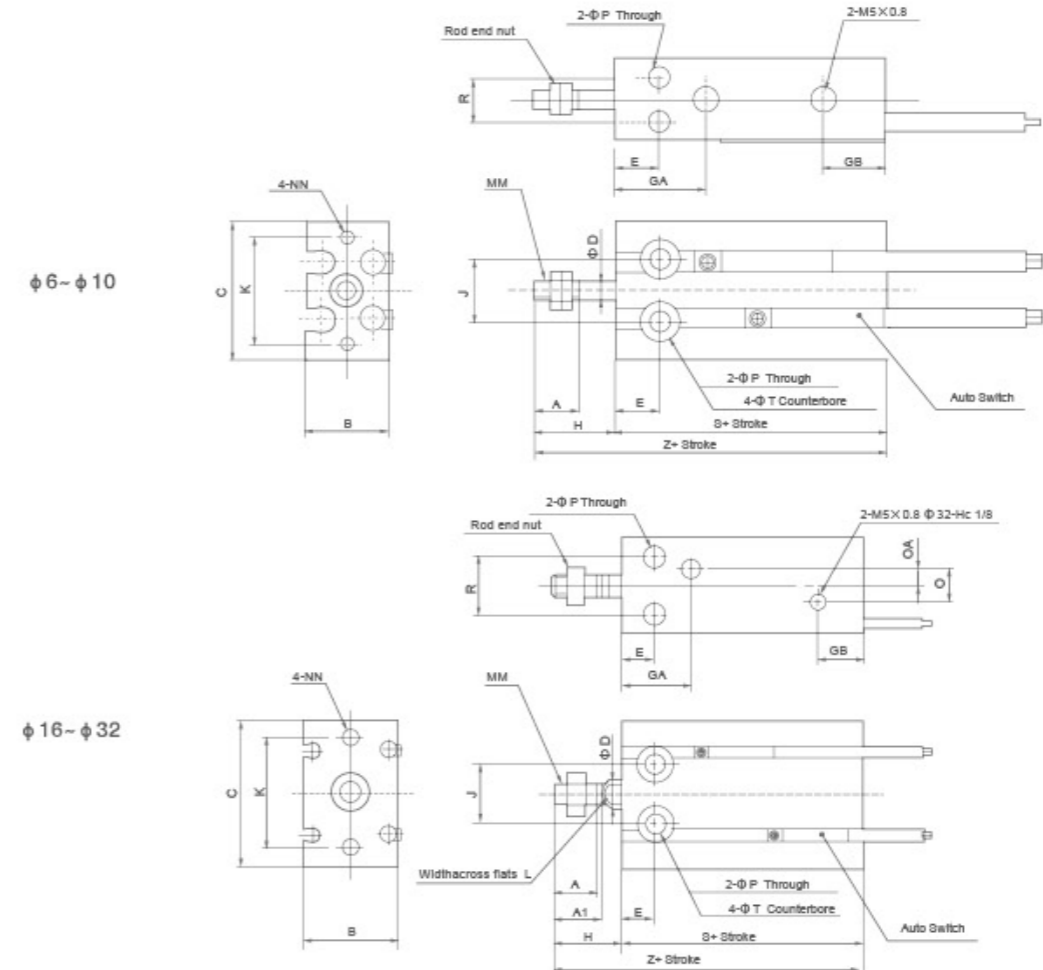
Standard Stroke

Action Type	Bore size(mm)	Standard stroke(mm)
Double Acting	6,10,16	5,10,15,20,25,30
	20,25,32	5,10,15,20,25,30,40,50
Single Acting	6,10,16,20,25,32	5,10,15

CU Series Free Installation Cylinder

Overall Dimensions

Double Acting, Single Rod



Dimension Sheet

Bore size(mm)	A	A1	B	C	D	E	GA	GB	H	K	J	L	MM
6	7	-	13	22	3	7	15	10	13	17	10	-	M3×0.5
10	10	-	15	24	4	7	16.5	10	16	18	11	-	M4×0.7
16	11	12.5	20	32	6	7	16.5 ^{Note)}	11.5	16	25	14	5	M5×0.8
20	12	14	26	40	8	9	19	12.5	19	30	16	6	M6×1.0
25	15.5	18	32	50	10	10	21.5	13	23	38	20	8	M8×1.25
32	19.5	22	40	62	12	11	23	12.5	27	48	24	10	M10×1.25

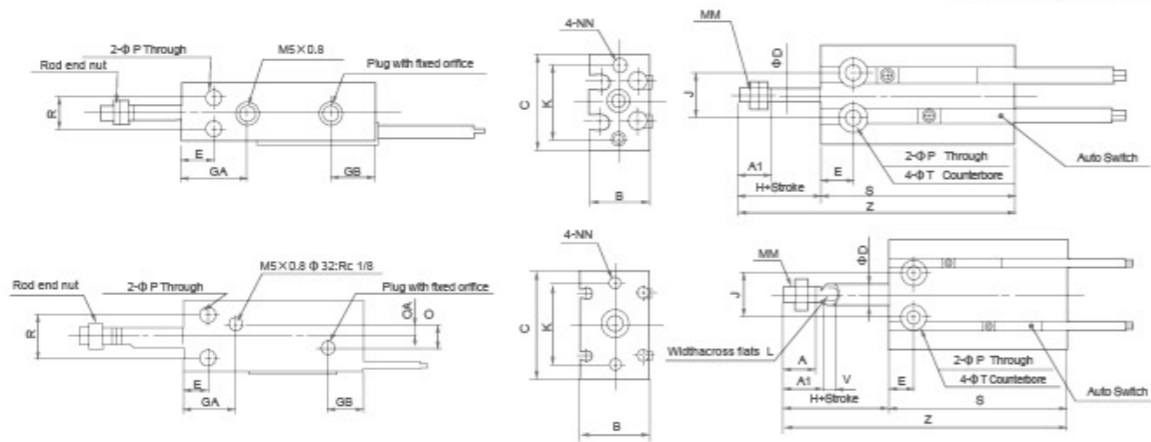
Bore size (mm)	NN	P	Q	QA	R	T	Without Auto Switch		With Auto Switch	
							S	Z	S	Z
6	M3×0.5 depth 5	3.2	-	-	7	6 depth 4.8	33	46	33	46
10	M3×0.5 depth 5	3.2	-	-	9	6 depth 5	36	52	36	52
16	M4×0.7 depth 6	4.5	4	2	12	7.6 depth 6.5	30	46	40	56
20	M5×0.8 depth 8	5.5	9	4.5	16	9.3 depth 8	36	55	46	65
25	M5×0.8 depth 8	5.5	9	4.5	20	9.3 depth 9	40	63	50	73
32	M6×1.0 depth 9	6.6	13.5	4.5	24	11 depth 11.5	42	69	52	79

Note)5 (CU16-5D):14.5mm Note)5 Stroke(CU16-5D):14.5mm

CU Series Free Installation Cylinder

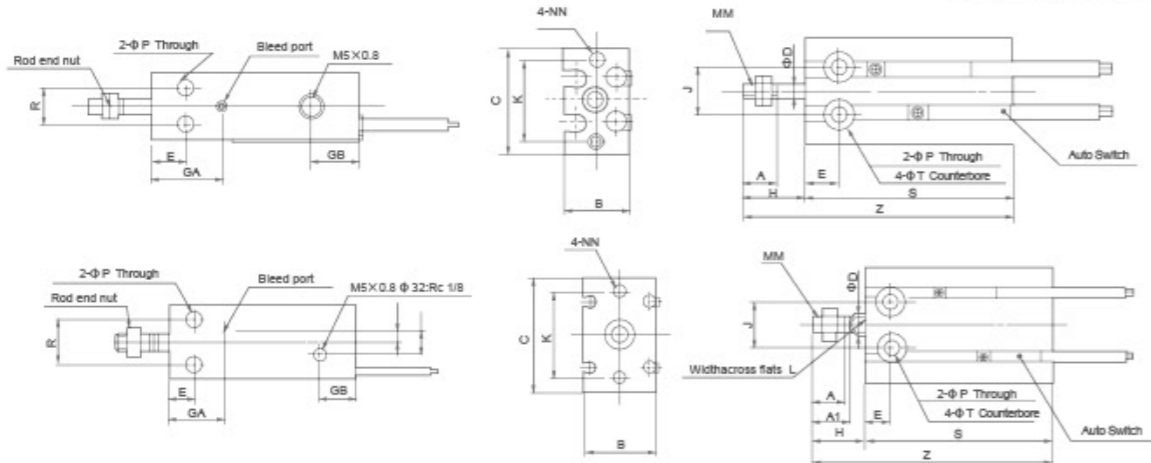
Overall Dimensions

Single Acting, Spring Extend



Overall Dimensions

Single Acting, Spring Return



Dimension Sheet

Bore size(mm)	A	A1	B	C	D	E	GA	GB	H	K	J	L	MM	NN	P
6	7	-	13	22	3	7	15	10	13	17	10	-	M3x0.5	M3x0.5 (depth) 5	3.2
10	10	-	15	24	4	7	16.5	10	16	18	11	-	M4x0.7	M3x0.5 (depth) 5	3.2
16	11	12.5	20	32	6	7	16.5	11.5	16	25	14	5	M5x0.8	M4x0.7 (depth) 6	4.5
20	12	14	26	40	8	9	19	12.5	19	30	16	6	M6x1.0	M5x0.8 (depth) 8	5.5
25	15.5	18	32	50	10	10	21.5	13	23	38	20	8	M8x1.25	M5x0.8 (depth) 8	5.5
32	19.5	22	40	62	12	11	23	12.5	27	48	24	10	M10x1.25	M6x1.0 (depth) 9	6.6

Bore size (mm)	Q	QA	R	T	V (Note)	Without Auto Switch						With Auto Switch					
						S			Z			S			Z		
						5st	10st	15st	5st	10st	15st	5st	10st	15st	5st	10st	15st
6	-	-	7	6 (depth) 4.8	-	38	43	48	56	66	76	38	43	48	56	66	76
10	-	-	9	6 (depth) 5	-	41	46	56	62	72	87	41	46	56	62	72	87
16	4	2	12	7.6 (depth) 6.5	3.5	45	50	60	66	76	91	45	50	60	66	76	91
20	9	4.5	16	9.3 (depth) 8	5	41	46	56	65	75	90	51	56	66	75	85	100
25	9	4.5	20	9.3 (depth) 9	5	45	50	60	73	83	98	55	60	70	83	93	108
32	13.5	4.5	24	11 (depth) 11.5	5	47	52	62	79	89	104	57	62	72	89	99	114

Note) "V" Only for Single Acting, Spring Extend

STM Series Slide Bearing Cylinder



STMB 16x50

STMS 16x125

Ordering Code

STM Series Code Sliding Type
B Mounting type B: Body fixed Type S: Sliding Block Fixed Type
16 × **50** Cylinder Bore Stroke
 10mm 16mm 20mm 25mm
 0~250mm

Specification

Bore(mm)	10	16	20	25
Motion Pattern	Double action			
Working Medium	Air			
Operating Temperature Range	-5~+70°C			
Operating Pressure Range	1.0~9.0kgf/cm ²			
Ensured Pressure Resistance	13.5kgf/cm ²			
Operating Speed Range	50~200mm/s			
Buffer Type	Shock Absorter			
Lubrication	NO			
Non-rotating Precision	±0.1°		±0.05°	
Port size	M5x0.8			G1/8"

Standard Stroke

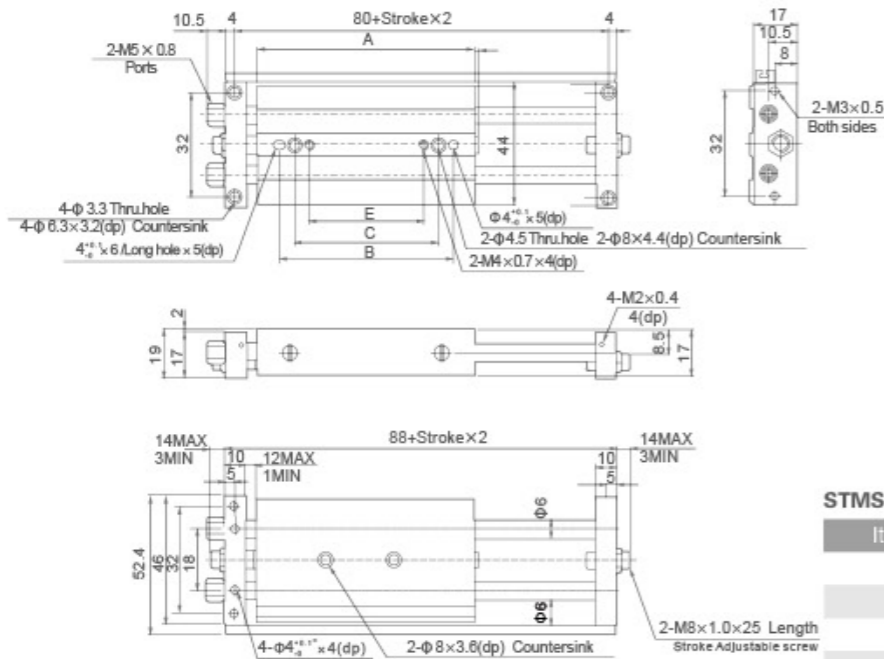
Bore size(mm)	Standard stroke(mm)									
10	25	50	75	100						
16	25	50	75	100	125	150	175	200		
20	25	50	75	100	125	150	175	200	250	
25	25	50	75	100	125	150	175	200	250	

Theoretical thrust

Bore size(mm)	Rod size (mm)	Pressure area (cm ²)	Operating pressure(Kgf/cm ²)								
			1	2	3	4	5	6	7	8	9
10	6	0.50	0.48	0.95	1.43	1.9	2.38	2.85	3.43	3.8	4.28
16	8	1.51	1.43	2.87	4.30	5.74	7.17	8.61	10.04	11.48	12.91
20	10	2.36	2.24	4.48	6.73	8.97	11.21	13.45	15.69	17.94	20.18
25	12	3.78	3.51	7.18	10.77	14.36	17.96	21.55	25.14	28.73	32.32

STM Series Slide Bearing Cylinder

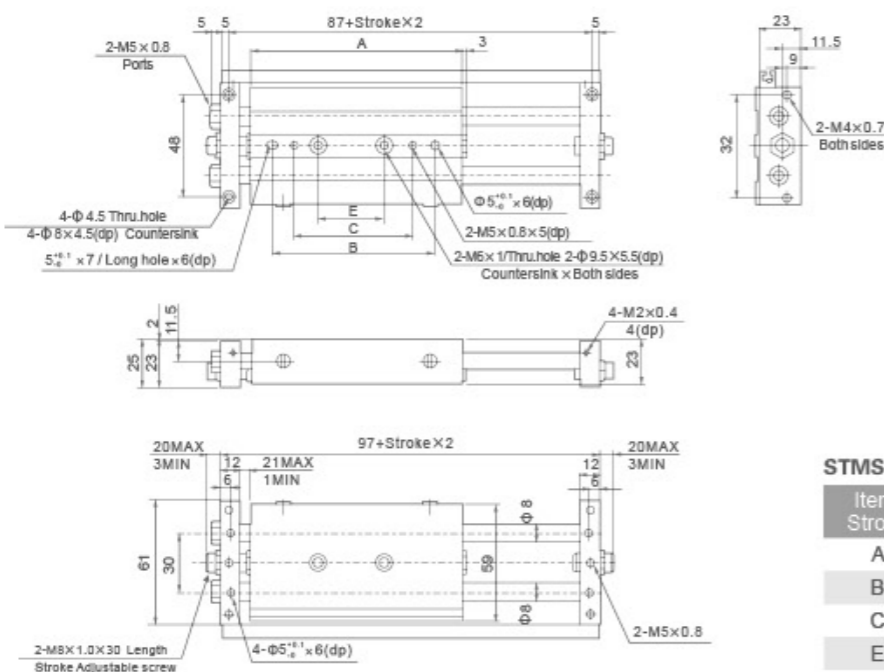
Overall Dimensions



STMS-10

Item/Stroke	25	50	75	100
A	81	106	131	156
B	65	85	85	85
C	35	60	60	121
E	15	40	40	40

Overall Dimensions

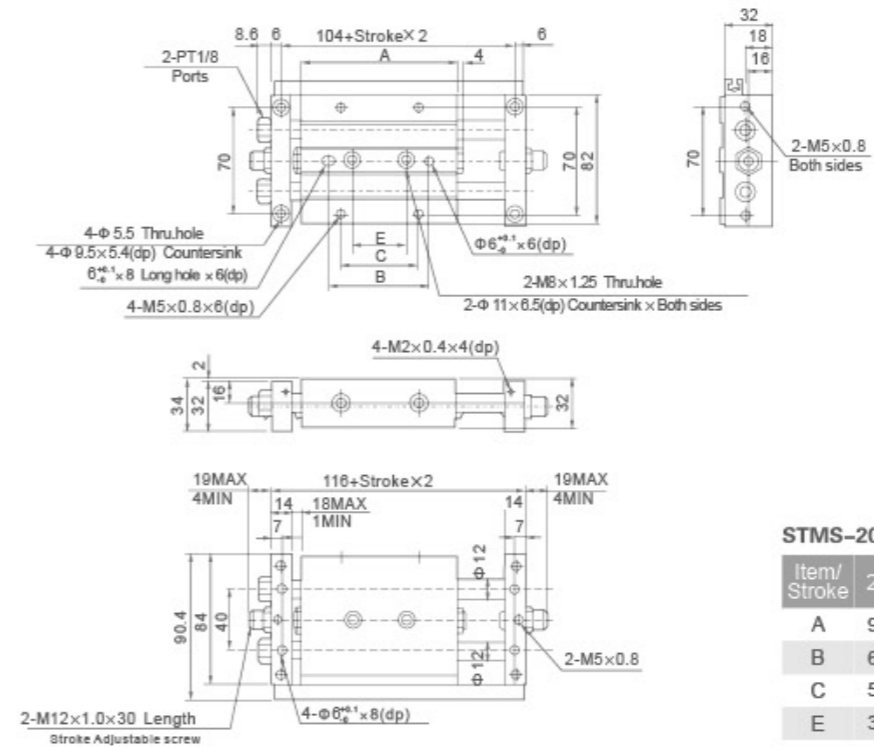


STMS-16

Item/Stroke	25	50	75	100	125	150	175	200
A	86	111	136	161	186	211	236	261
B	55	70	105	130	150	150	150	150
C	-	-	75	100	120	120	120	120
E	25	50	45	70	90	90	90	90

STM Series Slide Bearing Cylinder

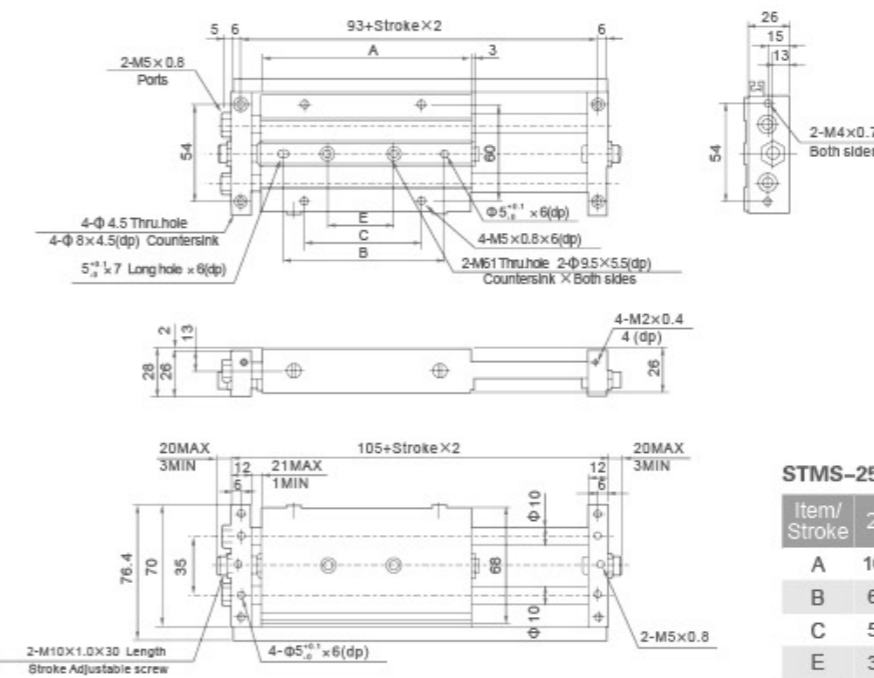
Overall Dimensions



STMS-20

Item/Stroke	25	50	75	100	125	150	175	200	250
A	94	119	144	169	194	219	244	269	319
B	60	85	110	135	150	150	150	150	150
C	50	50	75	100	120	120	120	120	120
E	35	45	45	70	90	90	90	90	90

Overall Dimensions



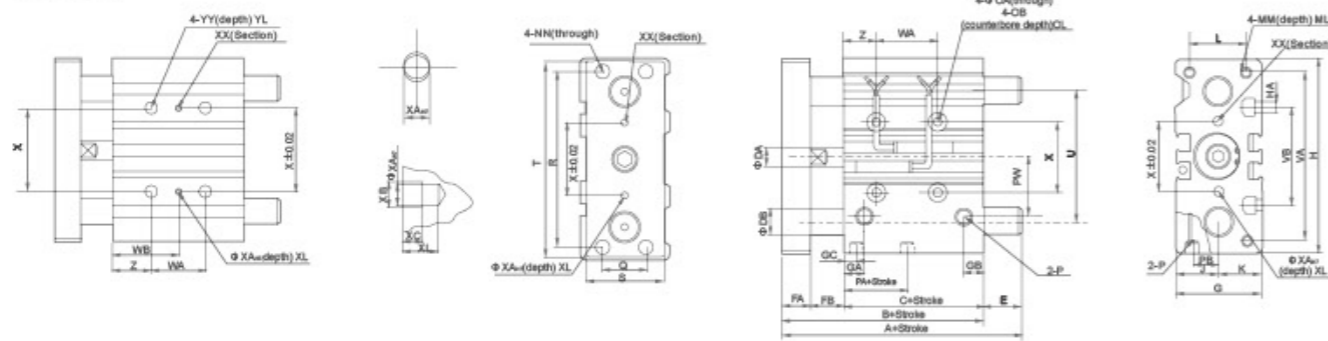
STMS-25

Item/Stroke	25	50	75	100	125	150	175	200	250
A	101	126	151	176	201	226	251	276	326
B	65	90	115	140	140	140	140	140	140
C	50	50	75	100	100	100	100	100	100
E	35	45	45	70	95	100	100	100	100

MGP Series Three-Shaft Cylinder

Overall Dimensions

φ 32~φ 63



MGPM- MGPL Common Dimensions Sheet

Bore size	Standard stroke(mm)	B	C	DA	FA	FB	G	GA	GB	GC	H	HA	J	K	L	MM	ML	NN	OA
32		59.5	37.5	16	12	10	48	12.5	9	12.5	112	M6	24	24	34	M8×1.25	20	M8×1.25	6.6
40	25,50,70,100,125,150,175,200	66	44	16	12	10	54	14	10	14	120	M6	27	27	40	M8×1.25	20	M8×1.25	6.6
50		72	44	20	16	12	64	14	11	12	148	M8	32	32	46	M10×1.5	22	M10×1.5	8.6
63		77	49	20	16	12	78	16.5	13.5	16.5	162	M10	39	39	58	M10×1.5	22	M10×1.5	8.6

Bore size	Standard stroke(mm)	OB	OL	P	PA	PB	PW	Q	R	S	T	U	VA	VB	X	XA	XB	XC	XL	Z
32		11	7.5	RC1/8	7	15	34	30	96	44	110	78	98	63	42	4	4.5	3	6	21
40	25,50,70,100,125,150,175,200	11	7.5	RC1/8	13	18	38	30	104	44	118	86	106	72	50	4	4.5	3	6	22
50		14	9	RC1/4	9	21.5	47	40	130	60	146	110	130	92	66	5	6	4	8	24
63		14	9	RC1/4	14	28	55	50	130	70	158	124	142	110	80	5	6	4	8	24

Bore size	Standard stroke (mm)	WA			WB			YY	YL
		25 st	50,75,100 st	100 st or above	25 st	50,75,100 st	100 st or above		
32		24	48	124	33	45	83	M8×1.25	16
40	25,50,70,100,125,150,175,200	24	48	124	34	46	84	M8×1.25	16
50		24	48	124	36	48	86	M10×1.5	20
63		28	52	128	38	50	88	M10×1.5	20

MGPM Slide bearing

Bore size	A			DB	E		
	50st≥	50st<200st≥	200st<		50st≥	50st<200st≥	200st<
32	97	102	140	20	37.5	42.5	80.5
40	97	102	140	20	31	36	74
50	106.5	118	161	25	34.5	46	89
63	106.5	118	161	25	29.5	41	84

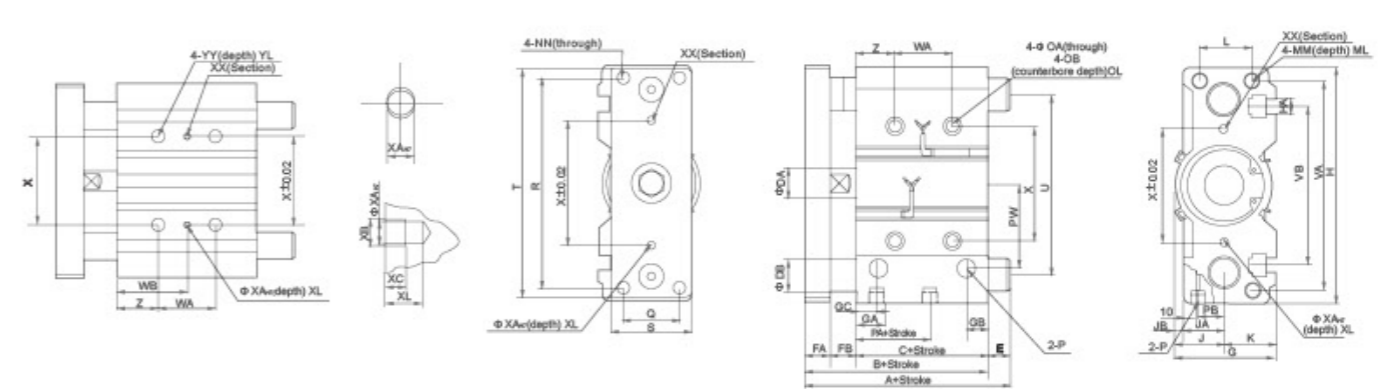
MGPL Ball bushing bearing

Bore size	A				DB	E			
	30st≥	30st<100st≥	100st<200st≥	200st<		30st≥	30st<100st≥	100st<200st≥	200st<
32	81	98	118	140	16	21.5	38.5	58.5	80
40	81	98	118	140	16	15	32	52	74
50	93	114	134	161	20	21	42	62	89
63	93	114	134	161	20	16	37	57	84

MGP Series Three-Shaft Cylinder

Overall Dimensions

φ 80~φ 100



Dimension Sheet

Bore size	Standard stroke (mm)	B	C	DA	FA	FB	G	GA	GB	GC	H	HA	J	LA	JB	K	L	MM	ML	NN	OA
80	20,50,75,100,125,150,175,200	95.5	56.5	25	22	18	91.5	19	15.5	14.5	202	M12	45.5	38	7.5	46	54	M12×1.75	30	M12×1.75	10.6
100		116	66	30	25	25	111.5	23	19	18	240	M14	55.5	45	10.5	56	62	M14×2.0	32	M14×2.0	12.5

Bore size	Standard stroke (mm)	OB	OL	P	PA	PB	PW	Q	R	S	T	U	VA	VB	X	XA	XB	XC	YL	Z
80	20,50,75,100,125,150,175,200	17.5	8	RC3/8	14.5	25.5	74	52	174	75	198	156	180	140	100	6	7	5	10	28
100		20	8	RC3/8	17.5	32.5	89	64	210	90	236	188	210	166	124	6	7	5	10	11

Bore size	Standard stroke (mm)	WA			WB			YY	YL
		25 st	50,75,100 st	100 st or above	25 st	50,75,100 st	100 st or above		
80	20,50,75,100,125,150,175,200	28	52	128	42	54	92	M12×1.75	24
100		48	72	148	35	47	85	M14×2.0	28

MGPM Slide bearing

Bore size	A			DB	E		
	50st≥	50st<200st≥	200st<		50st≥	50st<200st≥	200st<
80	115	142	193	30	18.5	45.5	96.5
100	137	162	203	36	21	46	87

MGPL Ball bushing bearing

Bore size	A				DB	E			
	30st≥	30st<100st≥	100st<200st≥	200st<		30st≥	30st<100st≥	100st<200st≥	200st<
80	109.5	130	160	193	25	13	33.5	63.5	96.5
100	121	147	180	203	30	5	31	64	87

RSQ Series Stopper Cylinder



RSQA 50 x 75R

Ordering Code

RSQ	<input type="checkbox"/>	<input type="checkbox"/>	20	×	15	—	S	<input type="checkbox"/>
Series Code RSQ Series	Mounting Type Blank: Though Hole (Standard) A: Both Ends Tapped Style	Acting Type Blank: Basic Type (with spring) SA: Single acting Spring extend	Cylinder Bore 20mm 32mm 40mm 50mm		Stroke		Magnet Code Blank: Without Magnet S: With Magnet	Rod end Type Blank: Round bar type K: Chamfered type R: Roller type L: Level roller type (with shock absorber)

Specification

Bore(mm)	20	32	40	50
Motion Pattern	Double acting, Double acting with spring loaded, Single acting (Spring extend)			
Fluid	Air			
Ensured Pressure Resistance	1.5Mpa(15.3kgf/cm ²)			
Max. pressure	1.0Mpa(10.2kgf/cm ²)			
Ambient and fluid temperature	-10~+70℃ With auto switch: No freezing +60℃			
Buffering	Rubber bumper			
Tolerance of stroke	+1.4(mm) 0			
*Lubrication	Not required			
Mounting	Through-hole, Both ends tapped common			
Port Size	RC(PT1/8)			

Model

Bore(mm)	20	32	40	50	
Mounting	Through-hole	●	●	●	●
	Both ends tapped style	●	●	●	●
Built-in magnet	●	●	●	●	
Piping	Screw-in type	Rc 1/8			
	Built-in One-touch fittings	Φ6/4		Φ8/6	
Action	Double acting Single acting (Single extend), Double acting with spring loaded				
Rod end configuration	Round bar	●		●	
	Chamfered	●		●	
	Roller type	●		●	
	Lever type	-		●	

Φ12 tubes can have both through-hole and tap mountings in the same tube.

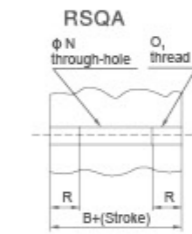
Standard Stroke

Bore size(mm)	Rod end configuration		
	Round bar, Chamfered type	Roller type	Lever type with shock absorber
20			
32	10,15,20	10,15,20	10,15,20
40			
50	20,25,30	20,25,30	20,25,30

RSQ Series Stopper Cylinder

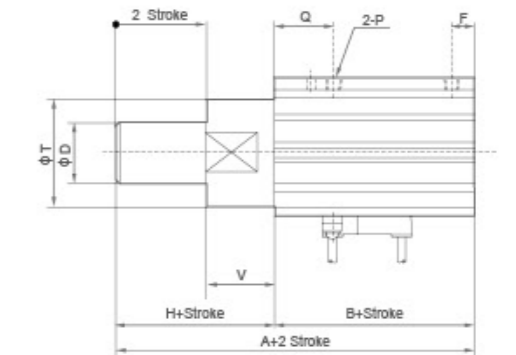
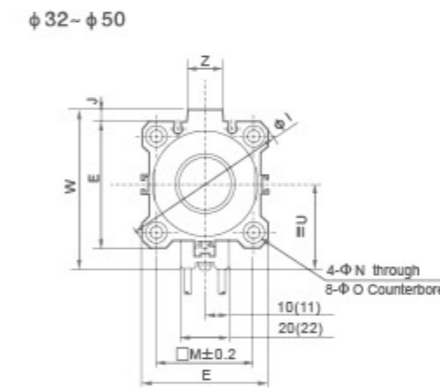
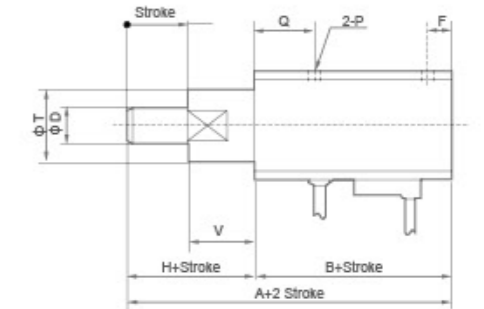
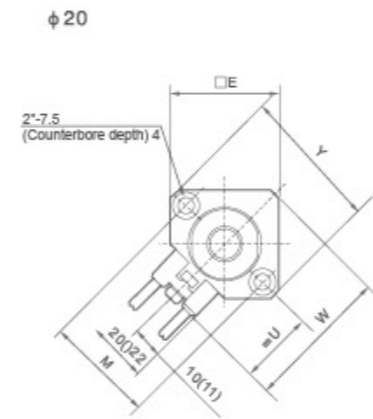
Overall Dimensions

Basic style: Through-hole mounting, Screw mounting
These 5 figures show the piston rod extended.



Screw mounting style: Both ends tapped style (mm)

Model	B	N	Q1	R
RSQA20	45	5.5	M6×1	10
RSQA32	48	5.5	M6×1	10
RSQA40	52.5	5.5	M6×1	10
RSQA50	54	6.6	M8×1.25	14



Dimension Sheet

Bore size (mm)	A	B	D	E	F	G	H	I	J	M	N	O Counterbore	P	Q	T	U	V	W	Y	Z
20	67	45	12	36	8	4	22	-	-	36	5.5	9 depth 7	Rc 1/8	20	24	24.5	22	48	47	-
32	68	48	20	45	7.5	8	20	60	4.5	34	5.5	9 depth 7	Rc 1/8	20	36	31.5	20	58.5	-	14
40	80.5	52.5	25	52	8	10	28	69	5	40	5.5	9 depth 7	Rc 1/8	24.5	44	35	28	66	-	14
50	82	54	25	64	8	10	28	86	7	50	6.6	11 depth 8	Rc 1/8	24.5	56	41	28	80	-	19

Note1) Dimensions without auto switch are the same as drawing above.
Note2) These figures show the dimensions when equipped with D-A 73 or D-A 80 auto switches.
Note3) These figures show the piston rod extended.

XCK Series Clamping Cylinder

NEW



XCKA 50 x 50-S-Y



XCKB 63 x 75-S-Y

Welding equipment for automotive use

1. Disassemble
2. Light weight and Compact
3. No Lubrication
4. Build-in speed control
5. No need dust cover
6. Can be used for welding equipment which used to generate the electrometice

Ordering Code

XCK **A** **50** × **100** **S** **Y**

Series Code Split Pin Type Cylinder Bore Stroke Magnet Code Width of earring

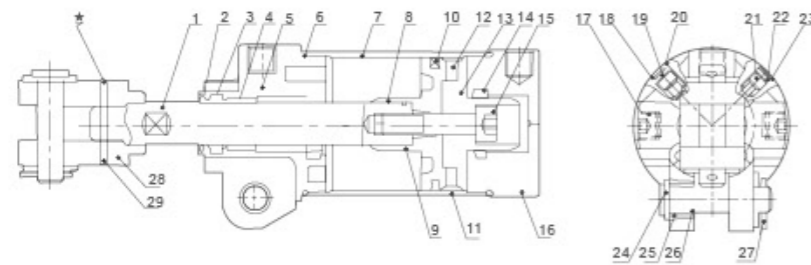
A: A Type
B: B Type
(Only available for 40-63mm)

40mm-80mm 0-150mm

Blank: Without Magnet
S: With Magnet
HS: With Powerful Magnet

Blank: No Accessory
B: With Y Joint

Internal structure



NO	Designation	NO	Designation
1	Piston rod	16	Rear cover
2	Dust ring	17	Limit screw
3	Front cover O-ring	18	O-ring
4	Slide bush	19	Speed control screw
5	Front cover	20	External reainer ring
6	O-ring	21	Cushion control screw
7	Aluminum tube	22	O-ring
8	Piston	23	External retainer ring
9	Piston rod O-ring	24	Gasket
10	Piston O-ring	25	Brass bush
11	Wear ring	26	PIN
12	Magnet	27	Split pin
13	Magnet base	28	Y
14	Cushion O-ring	29	Spring pin
15	Hexagon screw		

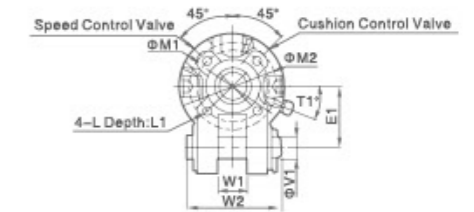
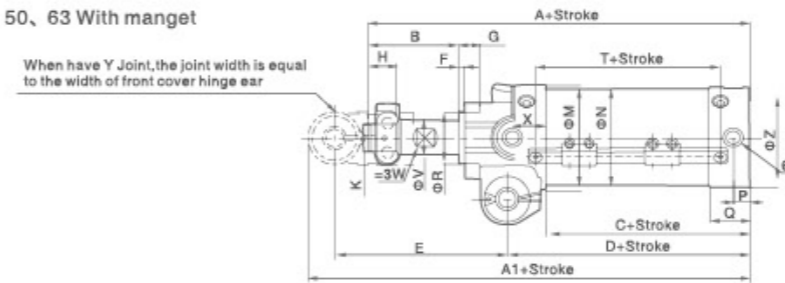
Specification

Bore(mm)	40	50	63	80
Working Medium	Air			
Ensured Pressure Resistance	1.5Mpa(15kgf/cm ²)			
Max. Working pressure	1.0Mpa(10kgf/cm ²)			
Min. Working pressure	0.1Mpa(1kgf/cm ²)			
Temperature Range	-5~60℃			
Piston Speed	50~500mm/s			
Air Buffer	Yes			
Lubrication	No Need			
Thread Tolerance	6H			
Stroke Tolerance	+1.5 0 (mm)			
Speed Controller	Yes			
Mounting Type	Double Ear Ring			
Rc(PT)Port size	1/4"		3/8"	

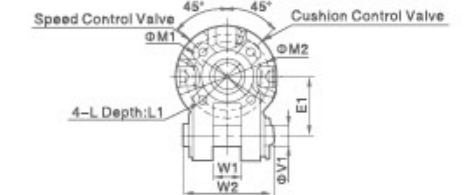
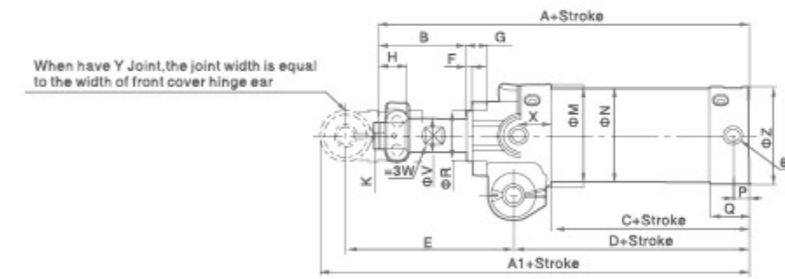
XCK Series Clamping Cylinder

Overall Dimensions

Φ40, 50, 63 With manget



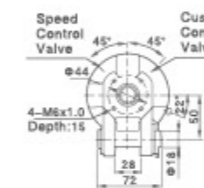
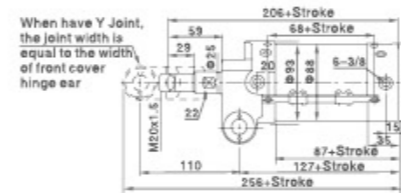
Φ40, 50, 63



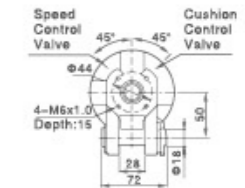
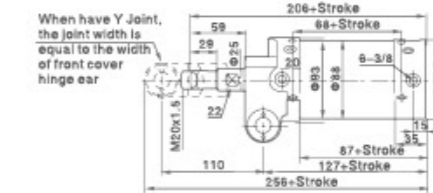
Dimension Sheet

Bore size	A	A1	B	C	D	E	E1	F	G	H	K	L	L1	M	M1	M2	N	O	P	Q	R	V	V1	W	W1		W2	X	Z	T	T1
																									XCKA	XCKB					
40	162	196	51	59	84	97	35	3	11.5	16	M16x1.5	M6x1	13	52	40	50	45	1/4	9	21	30	20	12	17	16.5	19.5	54	20	47	54	24
50	165	199	51	65	87	97	35	3	11.5	16	M16x1.5	M6x1	12	60	40	50	55	1/4	9.5	23	30	20	12	17	16.5	19.5	54	19	57	54	22
63	167	201	51	67	87	97	35	3	11.5	16	M16x1.5	M6x1	12	74	40	50	68	1/4	9.5	23	30	20	12	17	16.5	19.5	54	19	70	54	22

Φ80 With manget

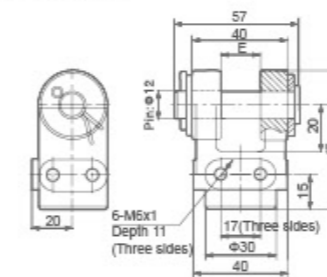


Φ80

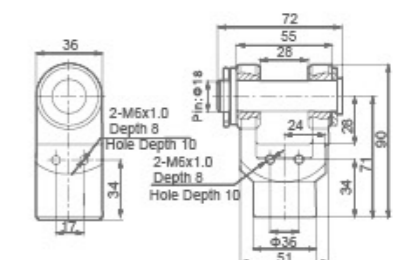


Y Joint Overall Dimensions and Ordering Code

Φ40, 50, 63



Φ80



Model	Fit for Bore Size	E
XCKA50-Y	40, 50, 63	16.5
XCKB50-Y	40, 50, 63	16.5

MSQ Series Rotary Table, Rack & Pinion Cylinder



MSQB 20-A



MSQB 30-A

Ordering Code



Specification

Bore(mm)	10	20	30	50	70	100	200
Fluid	Air(non-lube)						
Max. pressure	With adjustment bore		1Mpa(10.2kgf/cm ²)				
	R:With Shock Absorber		0.6 MPa (6.1kgf/cm ²)/Note				
Min. pressure	Basic type		0.1 Mpa(1.0kgf/cm ²)				
	High precision type		0.2 Mpa		0.1 Mpa		
Ambient and fluid temperature	0~60℃ (No freezing)						
Cushion	With adjustment bore		Rubber bumper				
	R:With Shock Absorber		Shock absorber				
Angle adjustment range	0~190℃						
Maximum rotation	190℃						
Piston bore	Φ15	Φ18	Φ21	Φ25	Φ28	Φ32	Φ40
Port size	End ports		M5×0.8		RC1/8"		
	Side ports		M5×0.8				

Note: The maximum operating pressure of the actuator is restricted by the maximum allowable thrust of the shock absorber.

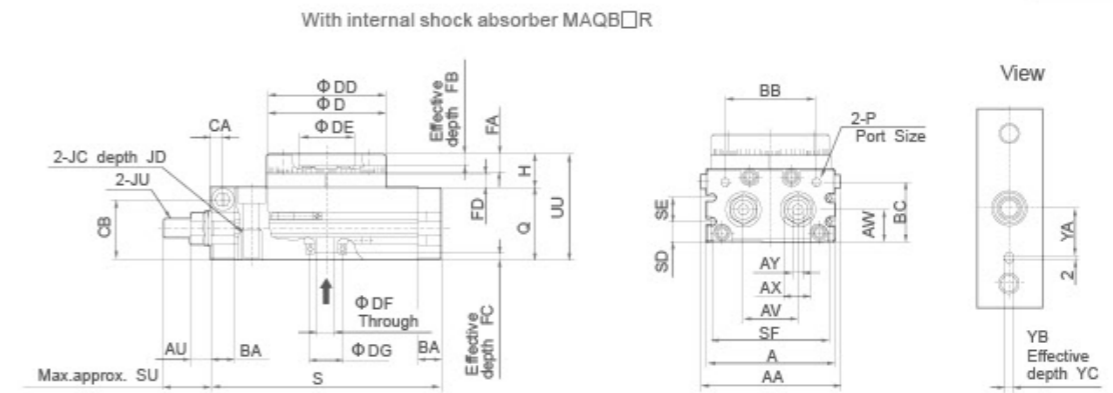
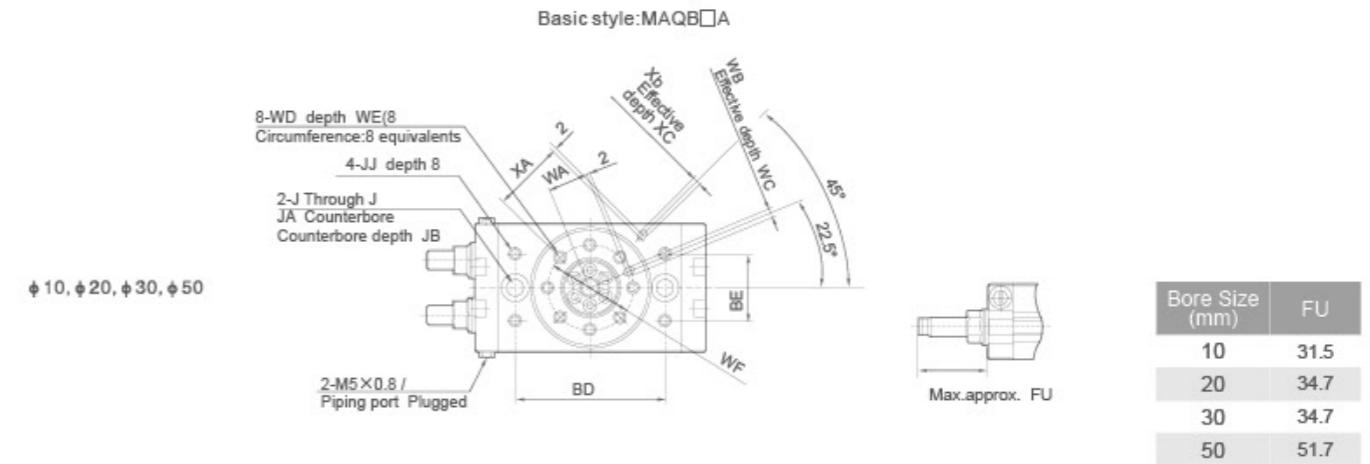
Allowable Kinetic Energy and Rotation Time Adjustment Range

Bore Size(mm)	Allowable Kinetic Energy(mJ)		Rotation Time Adjustment Range For Stable Operation(S/90°)	
	With adjustment bolt	With internal shock absorber	With adjustment bolt	With internal shock absorber ^(note)
10	7	39		
20	25	116		
30	48	116	0.2 to 1.0	0.2 to 0.7
50	81	294		
70	240	1100	0.2 to 1.5	
100	320	1600	0.2 to 2.0	0.2 to 1.0
200	560	2900	0.2 to 2.5	

Note: Be careful if a type with internal absorber is used below the minimum speed, the energy absorption ability will decrease drastically.

MSQ Series Rotary Table, Rack & Pinion Cylinder

Overall Dimensions



Dimension Sheet

Bore size(mm)	AA	A	AU	AV	AW	AX	AY	BA	BB	BC	BD	BE	CA	CB	D	DD	DE	DF
10	55.4	50	8.6	20	15.5	12	4	9.5	34.5	27.8	60	27	4.5	28.5	46h9	46h9	20H9	5
20	70.8	65	10.6	27.5	16	14	5	12	46	30	67	34	6	30.5	60h9	61h9	28H9	9
30	75.4	70	10.6	29	18.5	14	5	12	50	32	84	37	6.5	33.5	65h9	67h9	32H9	9
50	85.4	80	14	38	22	19	6	15.5	63	37.5	100	50	10	37.5	75h9	77h9	35H9	10

Bore size(mm)	DG	FA	FB	FC	FD	H	J	JA	JB	JC	JD	JJ	JU	P
10	15H9	8	4	3	4.5	13	6.8	11	6.6	M8×1.25	12	M5×0.8	M8×1	M5×0.8
20	17H9	10	6	2.5	6.5	17	8.6	14	8.5	M10×1.5	15	M6×1	M10×1	M5×0.8
30	22H9	10	4.5	3	6.5	17	8.6	14	8.5	M10×1.5	15	M6×1	M10×1	Rc 1/8
50	26H9	12	5	3	7.5	20	10.5	18	10.5	M12×1.75	18	M8×1.25	M14×1.5	Rc 1/8

Bore size(mm)	Q	S	SD	SE	SF	SU	UU	WA	WB	WC	WD	WE	WF	XA	XB	XC	YA	YB	YC
10	34	92	9	13	45	17.7	47	15	3H9	3.5	M5×0.8	8	32	27	3H9	3.5	19	3H9	3.5
20	37	117	10	12	60	25	54	20.5	4H9	4.5	M6×1	10	43	36	4H9	4.5	24	4H9	4.5
30	40	127	11.5	14	65	25	57	23	4H9	4.5	M6×1	10	48	39	4H9	4.5	28	4H9	4.5
50	46	152	14.5	15	75	31.4	66	26.5	5H9	5.5	M8×1.25	12	55	45	5H9	5.5	33	5H9	5.5

XHZ Series Style Air Gripper



MHZ2-25D

Ordering Code

XHZ — **2** — **16** — **D** — **1**

Model
XHZ: Parallel fingers
XHZL: Long stroke finger

Finger Quantity
2PCS

Bore Size
6mm~40mm

Action Type
D: Double Action
S: Single Action (Normally open)
C: Single-Action (Normally closed)

Claw Form
Blank: Standard Basic Type
1: Side screw installation
2: Opening and closing direction through-hole installation
N: Narrow basic type
N1: Side screw hole installation
N2: Opening and closing direction through hole installation

Graphic Symbol



Double-acting-internal grip



Double-acting-External grip



Single acting normally closed-Internal grip



Single acting normally closed-External grip

Specification

Bore(mm)	6	10	16	20	25	32	40
Working Medium	Air (to be filtered by 40 μm filter element)						
Operating pressure	Double-action	0.15~0.7	0.2~0.7	0.1~0.7		0.1~0.7	
	Single-action	0.3~0.7	0.35~0.7	0.25~0.7		0.25~0.7	
Ambient fluid temperature	-10~60°C						
Repeatability(mm)	±0.01			±0.02			
The highest frequency of use	180(XHZL Series 120)(c.p.m)					60(c.p.m)	
Lubrication	Not required						
Action type	Double acting-Single acting						
Auto switch(optional)	Solid state auto switch						
Port size	M3x0.5			M5x0.8			

Gripping force

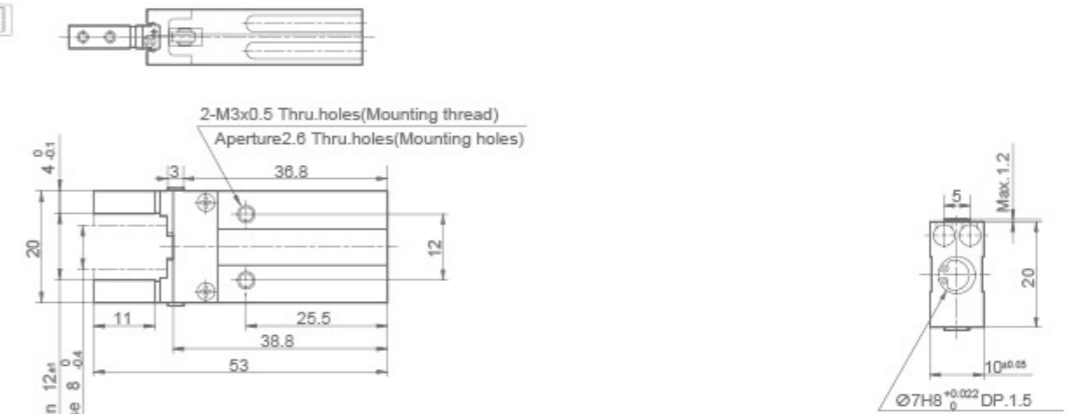
Model	Gripping force N				Opening/Closing (Both sides)mm
	RMS each finger gripping force				
	Double-acting		Single acting		
	External	Internal	External	Internal	
XHZ-6□	3.3	6.1	1.9	3.7	4
XHZ-10□	11	17	7.1	13	4
XHZ-16□	34	45	27	38	6
XHZ-20□	42	66	33	57	10
XHZ-25□	65	104	45	83	14
XHZ-32□	158	193	131	161	22
XHZ-40□	254	318	217	267	30

Model	Gripping force N				Opening/ Closing (Both sides)mm
	RMS each finger gripping force				
	Double-acting		Single acting		
	External	Internal	External	Internal	
XHZL-10□	11	17	7.1	13	8
XHZL-16□	34	45	27	38	12
XHZL-20□	42	66	33	57	18
XHZL-25□	65	104	50	85	22

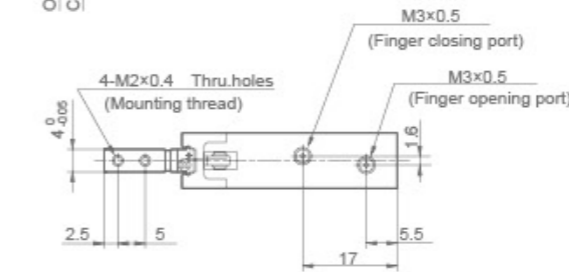
□ =Express D=Double-acting S=Single acting(normally closed) C=Single acting(normally open)

XHZ Series Style Air Gripper

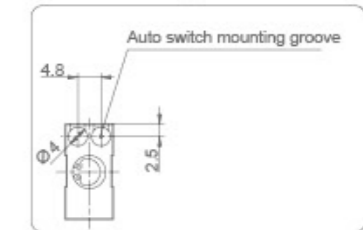
Overall Dimensions



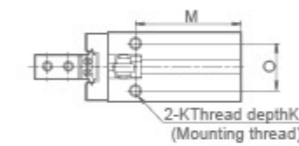
XHZ-6 □ (Φ6)
Double acting
Single acting



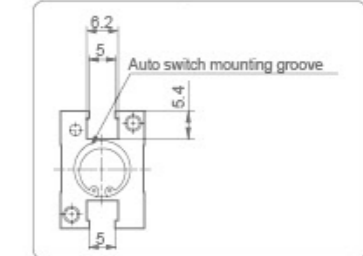
Auto switch mounting groove dimensions



For single acting, the port on one side will turn into breathing hole.

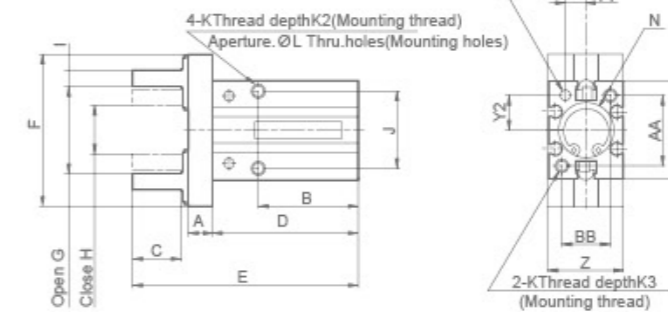


XHZ-10□ Auto Switch Mounting Groove Dimensions

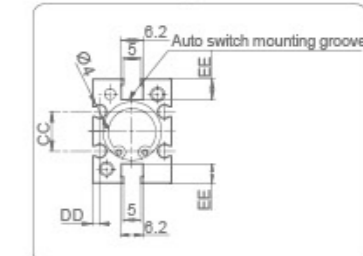


Note) Through-hole mounting is not possible when using the auto switch at the square groove.

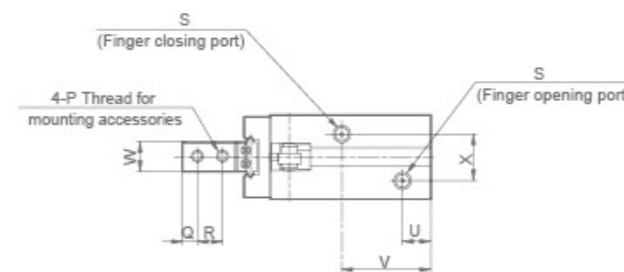
XHZ-□□ (Φ10~Φ40)
Double acting
Single acting



XHZ-□□ Auto Switch Mounting Groove Dimensions



Note) Through-hole mounting is not possible when using the auto switch at the square groove.



For single acting, the port on one side will turn into breathing hole.

XHZ Series Style Air Gripper

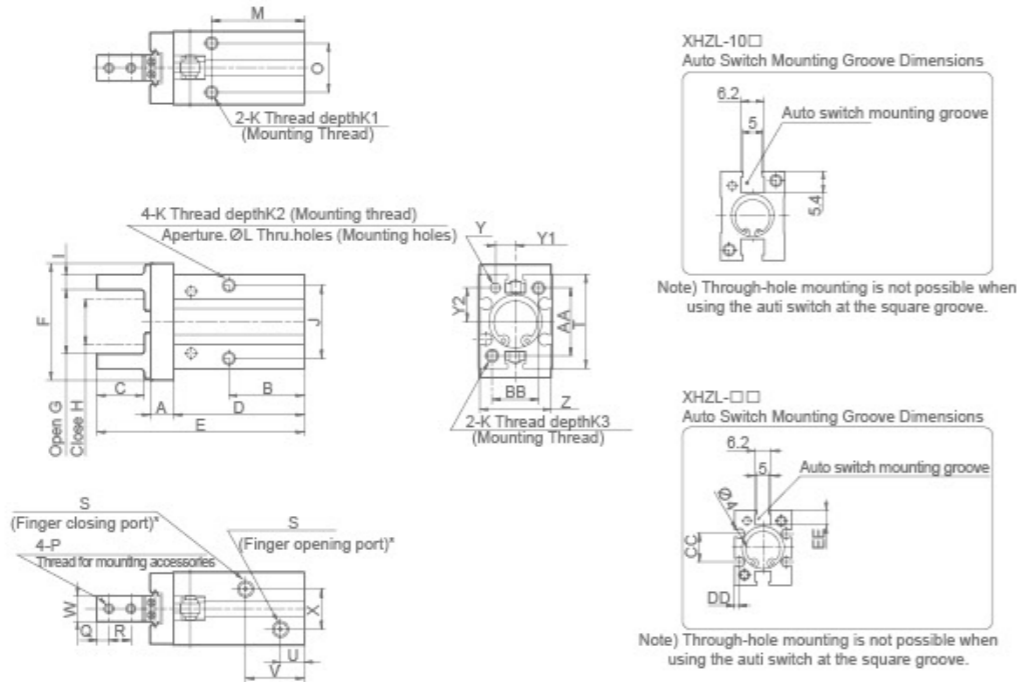
Dimension Sheet

Bore(mm)	A	B	C	D	E	F	G	H	I	J	K	K1	K2	K3	ΦL	M	N	O	P	Q	
10	6	23	12	37.8	57	29	15.2 ^{+0.22}	11.2 ⁰ _{-0.17}	4 ⁰ _{-0.1}	16	M3×0.5	6	5.5	6	2.6	27	Φ11H9 ^{0.043}	Dp:2	11.4	M2.5×0.45	3
16	7.5	24.5	15	42.5	67.3	38	20.9 ^{+0.22}	14.9 ⁰ _{-0.17}	5 ⁰ _{-0.1}	24	M4×0.7	4.5	8	8	3.4	30	Φ17H9 ^{0.043}	Dp:2	16	M3×0.5	4
20	9.5	29	20	52.8	84.8	50	26.3 ^{+0.22}	16.3 ⁰ _{-0.17}	8 ⁰ _{-0.1}	30	M5×0.8	8	10	10	4.3	35	Φ21H9 ^{0.052}	Dp:3	18.6	M4×0.7	5
25	11	30	25	63.6	102.7	63	33.3 ^{+0.25}	19.3 ⁰ _{-0.18}	10 ⁰ _{-0.1}	36	M6×1	10	12	12	5.1	36.5	Φ26H9 ^{0.052}	Dp:3.5	22	M5×0.8	6
32	12	40(49)	29	67(76)	113(122)	97	48 ^{+0.25}	26 ⁰ _{-0.15}	12 ⁰ _{-0.1}	46	M6×1	10	13	13	5.1	48(57)	Φ34H9 ^{0.052}	Dp:4	26	M6×1	7
40	15	49(62)	36	83(96)	139(152)	119	60 ^{+0.27}	30 ⁰ _{-0.15}	14 ⁰ _{-0.1}	56	M8×1.25	13	16	17	6.6	58(71)	Φ42H9 ^{0.052}	Dp:4	32	M8×1.25	9

Bore(mm)	R	S	T	U	V	W	X	Y	Z	Y1	Y2	AA	BB	CC	DD	EE	
10	5.7	M3×0.5	23	9	19	5 ⁰ _{-0.05}	11	Φ2H9 ^{0.025}	Dp:3	16.4±0.05	5.2±0.02	7.6±0.02	18	12	-	-	
16	7	M5×0.8	30.6	7.5	19	8 ⁰ _{-0.05}	13	Φ3H9 ^{0.025}	Dp:3	23.6±0.05	6.5±0.02	11±0.02	22	15	11.6	2.1	5.8
20	9	M5×0.8	42	10	23	10 ⁰ _{-0.05}	15	Φ4H9 ^{0.03}	Dp:4	27.6±0.05	7.5±0.02	16.8±0.02	32	18	14	2.1	9
25	12	M5×0.8	52	10.7	23.5	12 ⁰ _{-0.05}	20	Φ4H9 ^{0.03}	Dp:4	33.6±0.05	10±0.02	21.8±0.02	40	22	19	3.5	11.5
32	14	M5×0.8	60	11	31(37)	15 ⁰ _{-0.05}	24	Φ5H9 ^{0.03}	Dp:5	40±0.1	12±0.02	23±0.02	46	26	24	3.3	11.5
40	17	M5×0.8	72	12	38(45)	18 ⁰ _{-0.05}	28	Φ5H9 ^{0.03}	Dp:5	48±0.1	14±0.02	29±0.02	56	32	29.4	3.7	13

Overall Dimensions

XHZL-□□ (Φ10~Φ25)
Double acting
Single acting



Dimension Sheet

Bore(mm)	A	B	C	D	E	F	G	H	I	J	K	K1	K2	K3	ΦL	M	N	O	P	Q	
10	6	25(35)	12	37.8(47.8)	57(67)	35	19.2 ^{+0.22}	11.2 ⁰ _{-0.17}	4 ⁰ _{-0.1}	16	M3×0.5	6	5.5	6	2.6	29(39)	Φ11H9 ^{0.043}	Dp:2	11.4	M2.5×0.45	3
16	7.5	31(36)	15	45.2(50.2)	70(75)	47	26.9 ^{+0.22}	14.9 ⁰ _{-0.17}	5 ⁰ _{-0.1}	24	M4×0.7	4.5	8	8	3.4	36(41)	Φ17H9 ^{0.043}	Dp:2	16	M3×0.5	4
20	9.5	36(42)	20	58(64)	90(96)	62	34.3 ^{+0.22}	16.3 ⁰ _{-0.17}	8 ⁰ _{-0.1}	30	M5×0.8	8	10	10	4.3	43(49)	Φ21H9 ^{0.052}	Dp:3	18.6	M4×0.7	5
25	11	40(50)	25	66.9(76.9)	106(116)	75	41.3 ^{+0.25}	19.3 ⁰ _{-0.18}	10 ⁰ _{-0.1}	36	M6×1	10	12	12	5.1	48(58)	Φ26H9 ^{0.052}	Dp:3.5	22	M5×0.8	6

Bore(mm)	R	S	T	U	V	W	X	Y	Z	Y1	Y2	AA	BB	CC	DD	EE	
10	5.7	M3×0.5	23	8	21(31)	5 ⁰ _{-0.05}	11	Φ2H9 ^{0.025}	Dp:3	16.4±0.05	5.2±0.02	7.6±0.02	18	12	-	-	
16	7	M5×0.8	30.6	8	25(30)	8 ⁰ _{-0.05}	13	Φ3H9 ^{0.025}	Dp:3	23.6±0.05	6.5±0.02	11±0.02	22	15	11.6	2.1	5.8
20	9	M5×0.8	42	10	30(36)	10 ⁰ _{-0.05}	15	Φ4H9 ^{0.03}	Dp:4	27.6±0.05	7.5±0.02	16.8±0.02	32	18	14	2.1	9
25	12	M5×0.8	52	10	33(43)	12 ⁰ _{-0.05}	20	Φ4H9 ^{0.03}	Dp:4	33.6±0.05	10±0.02	21.8±0.02	40	22	19	3.5	11.5

XHY Series Style Air Gripper

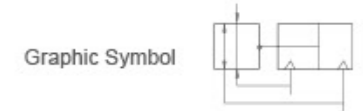


XHY2-25D

Ordering Code

XHY - 2 - 16 - D - 2

Series Code: XHY: 180° open and close your fingers
Finger Quantity: 2PCS
Bore size: 10mm~25mm
Action Type: D: Double Action
Claw form: Blank: Standard thread installation; 2: Opening and closing direction through-hole installation



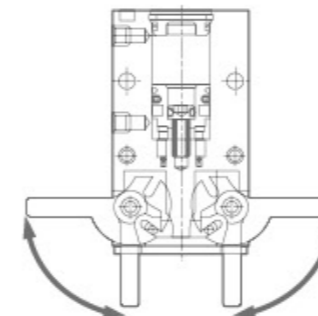
- Auto switch is attachable.
- 180°Retractable simplify pick and place operation.
- May be suitable for use under special circumstances,the finger opening and closing part specifically designed to prevent small items from entering.
- Easy to install, with positioning holes.

Specification

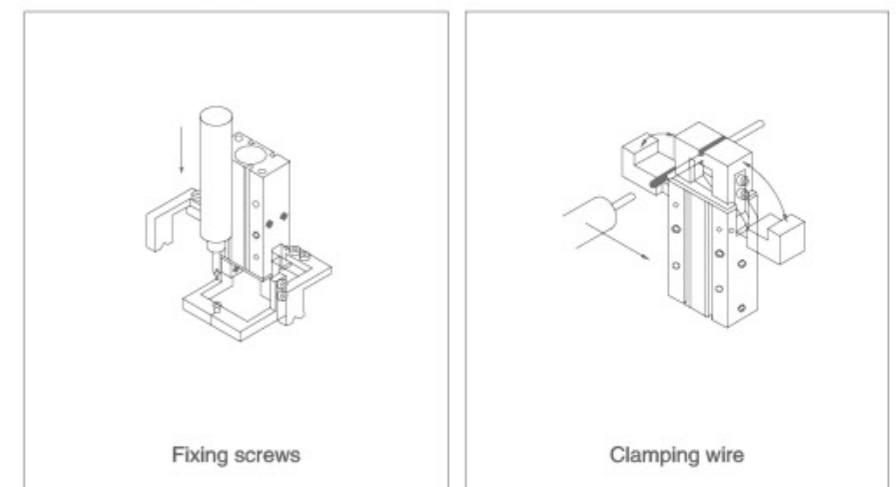
Bore(mm)	10	16	20	25
Working Medium	Air(to be filtered by 40µm filter element)			
Action Type	Double-acting			
Max.operating Pressure(Mpa)	0.6			
Min.operating Pressure(Mpa)	0.1			
Ambient Fluid Temperature	-10~+60°C			
Max.operating Frequency	60c.p.m			
Repeatability(Mm)	±0.2mm			
Holding Torque N·m Note1)	0.16	0.54	1.10	2.28
Lubrication Note2)	Not required			
Port Size	M5×0.8			

Note 1) At the pressure of 0.5 Mpa
Note 2)If you need lubrication,use turbine No.1 oil ISO VG32.

Chart



Function Example



XHT Series Angle Style Air Gripper (ToggleType)



XHT2-32D

Ordering Code

XHT Series Code
XHT: XHT Toggle Type Air Gripper

2 Finger Quantity
2PCS

32 Cylinder Bore
32mm~63mm

D Action Type
D: Double Action

Specification

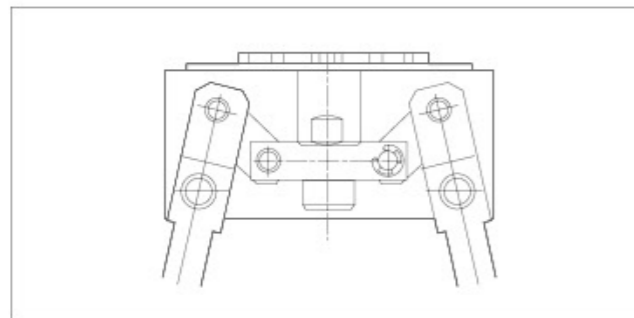
Bore(mm)	32	40	50	63
Motion Pattern	Double acting			
Fluid	Air			
Operating Voltage Range	0.1~0.6 MPa			
Ambient and fluid temperature	5~60℃			
Lubrication	Not required			
Finger opening angle (Total)	-3°~28°	-3°~27°	-2°~23°	-2°~23°
Effective gripping force (N-m) at 0.5 Mpa	12.4	36.0	63.0	106

Magnetism Switch Model

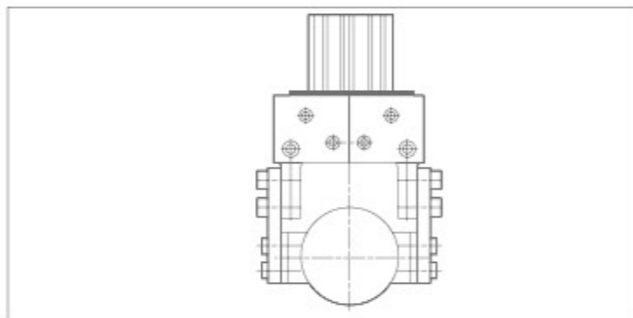
Bore Size	Track Mouth	
32		① Fit for grip heavy equipment
40	D-A72L D-A73L	② Toggle structure unless lost the pressure suddenly the gripper still can work
50	D-A76L	③ Magnet inside, can install magnetism switch
63	D-A80L D-F79L D-J79L	

Note: Magnetism switch model can refer to magnetism switch series

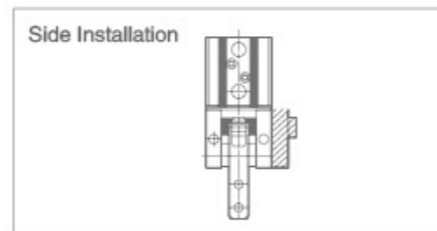
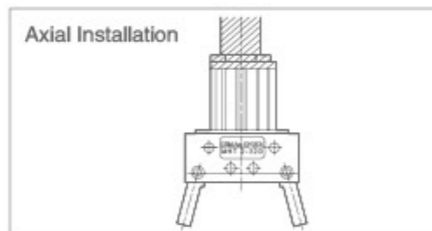
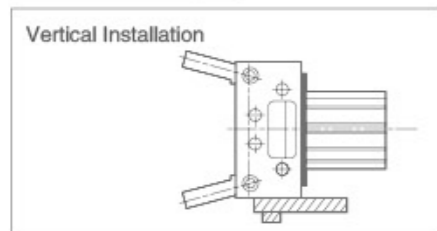
Lever Structure



Example

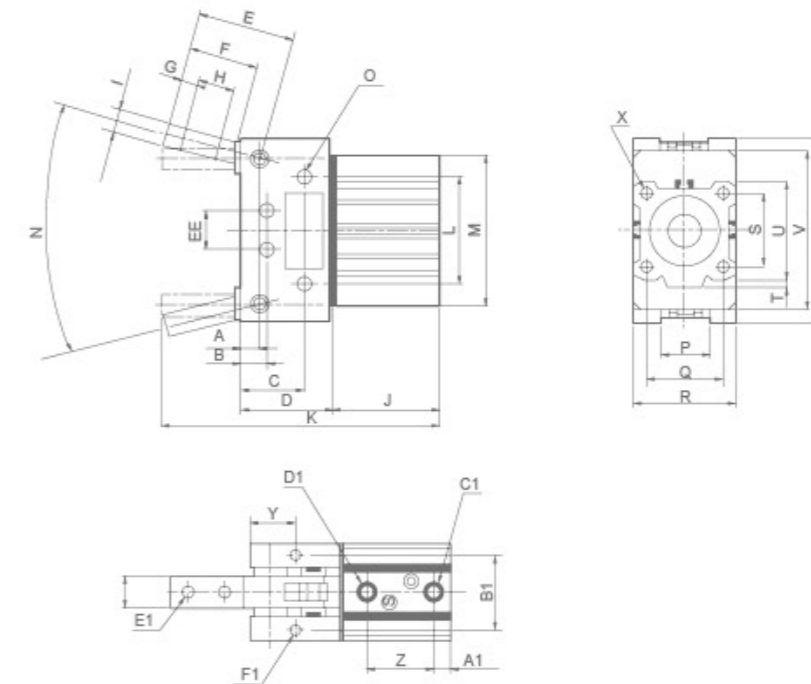


Installation pattern



XHT Series Angle Style Air Gripper (ToggleType)

Overall Dimensions



Dimension Sheet

Bore(mm)	A	B	C	D	E	F	G	H	I
32	8	12	28	41.6	42	32	8	16	5.5
40	8	12	28	42	48	37	10	18	7
50	10	16	35	52.5	54	40	10	22	8
63	10	17	35	53.2	60	45	11	24	10

Bore(mm)	J	K	L	M	N	O	EE	P
32	48	123.6	50	68	Open: 28°, Closed: -3°	Double Sides:4-M6/Thread:Dep 10	18	22
40	54.5	136.5	60	74	Open: 27°, Closed: -3°	Double Sides:4-M8/Thread:Dep 10	24	29
50	60.5	157	80	100	Open: 23°, Closed: -2°	Double Sides:4-M10/Thread:Dep 12	30	36
63	66	169.2	90	104	Open: 23°, Closed: -2°	Double Sides:4-M12/Thread:Dep 17	36	40

Bore(mm)	Q	R	S	T	U	V	W	X
32	34±0.2	46	34±0.2	4.5	45	72	86	4-M6/Thread:Dep 10
40	40±0.2	53	40±0.2	5	52	82	96	4-M8/Thread:Dep 10
50	50±0.2	66	50±0.2	7	64	110	124	4-M8/Thread:Dep 14
63	60±0.2	80	60±0.2	7	77	116	132	4-M10/Thread:Dep 18

Bore(mm)	Y	Z	A1	B1	C1	D1	E1	F1
32	20	30	7.5	34	Finger Open: Rc(PT)1/8	Finger Closed: Rc(PT)1/8	4-M6/Thread:Dep 5.1	4-M6/Thread:Dep 15
40	20	35.5	8	40	Finger Open: Rc(PT)1/8	Finger Closed: Rc(PT)1/8	4-M8/Thread:Dep 6.8	4-M8/Thread:Dep 12
50	25	39.5	10.5	52	Finger Open: Rc(PT)1/4	Finger Closed: Rc(PT)1/4	4-M10/Thread:Dep 8.6	4-M10/Thread:Dep 12
63	25	40.5	10.5	50	Finger Open: Rc(PT)1/4	Finger Closed: Rc(PT)1/4	4-M12/Thread:Dep 10.4	4-M12/Thread:Dep 10

XHL Series Parallel Style Wide Opening Air Gripper



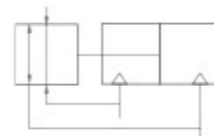
XHL 2-20D

Ordering Code

XHL	2	×	16	D	□																												
Series Code	Finger Quantity		Cylinder Bore	Action Type	Finger Open/Close Stroke																												
XHL: XHL Wide Opening Air Gripper	2PCS		10mm~40mm	D: Double Action																													
					<table border="1"> <tr> <th>Bore</th> <th>10</th> <th>16</th> <th>20</th> <th>25</th> <th>32</th> <th>40</th> </tr> <tr> <td>Blank</td> <td>20</td> <td>30</td> <td>40</td> <td>50</td> <td>70</td> <td>100</td> </tr> <tr> <td>1</td> <td>40</td> <td>60</td> <td>80</td> <td>100</td> <td>120</td> <td>160</td> </tr> <tr> <td>2</td> <td>60</td> <td>80</td> <td>100</td> <td>120</td> <td>160</td> <td>200</td> </tr> </table>	Bore	10	16	20	25	32	40	Blank	20	30	40	50	70	100	1	40	60	80	100	120	160	2	60	80	100	120	160	200
Bore	10	16	20	25	32	40																											
Blank	20	30	40	50	70	100																											
1	40	60	80	100	120	160																											
2	60	80	100	120	160	200																											

- Long finger stroke, suitable for large volume workpiece.
- Dual piston design can increase retention
- Fingers synchronized by rack and pinion mechanism.
- Dust-protection design adopt special sealing.

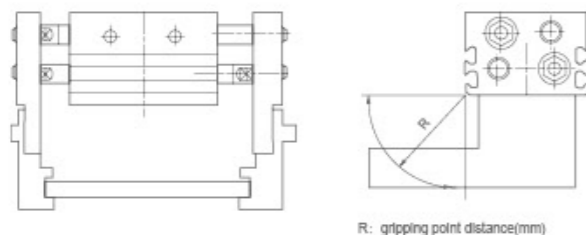
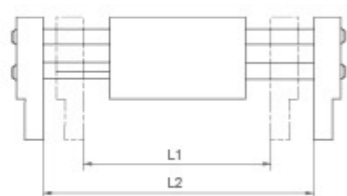
Graphic Symbol



Specification

Bore(mm)	10	16	20	25	32	40
Fluid	Air					
Motion Pattern	Double Acting					
Max.pressure Mpa	0.6(6.1)					
Max.pressure Mpa	0.15			0.1		
Ambient and Fluid Temperature	-10~60℃					
Auto Switch(optional)	±0.1mm					
Effective Gripping Force (N) at 0.5 Mpa	14	45	74	131	228	396
Port Size	M5×0.8			G1/8"		

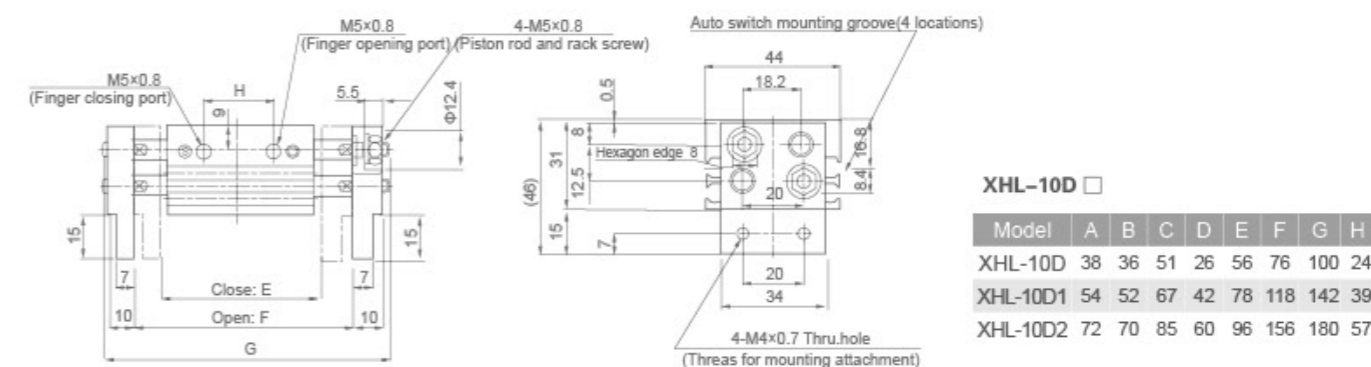
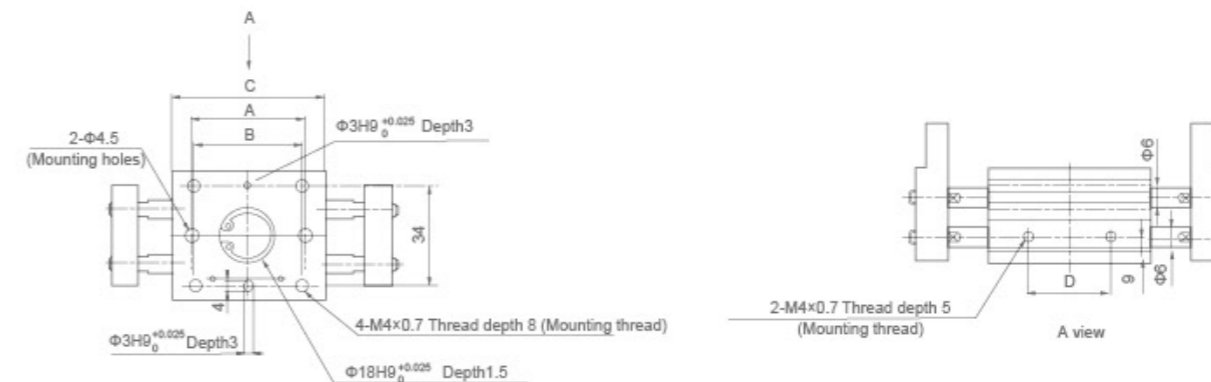
Stroke



Model	Bore size (mm)	Max. operating frequency c.p.m	Opening/ Closing stroke (L1-L2)mm	Width at closing(mm) L1	Width at the opening (mm) L2
XHL-10D	10	60	20	56	76
XHL-10D1		40	40	78	118
XHL-10D2		60	96	156	
XHL-16D	16	60	30	68	98
XHL-16D1		40	60	110	170
XHL-16D2		80	130	210	
XHL-20D	20	60	40	82	122
XHL-20D1		40	80	142	222
XHL-20D2		100	162	262	
XHL-25D	25	60	50	100	150
XHL-25D1		40	100	182	282
XHL-25D2		120	200	320	
XHL-32D	32	30	70	150	220
XHL-32D1		20	120	198	318
XHL-32D2		160	242	402	
XHL-40D	40	30	100	188	288
XHL-40D1		20	160	246	406
XHL-40D2		200	286	486	

XHL Series Parallel Style Wide Opening Air Gripper

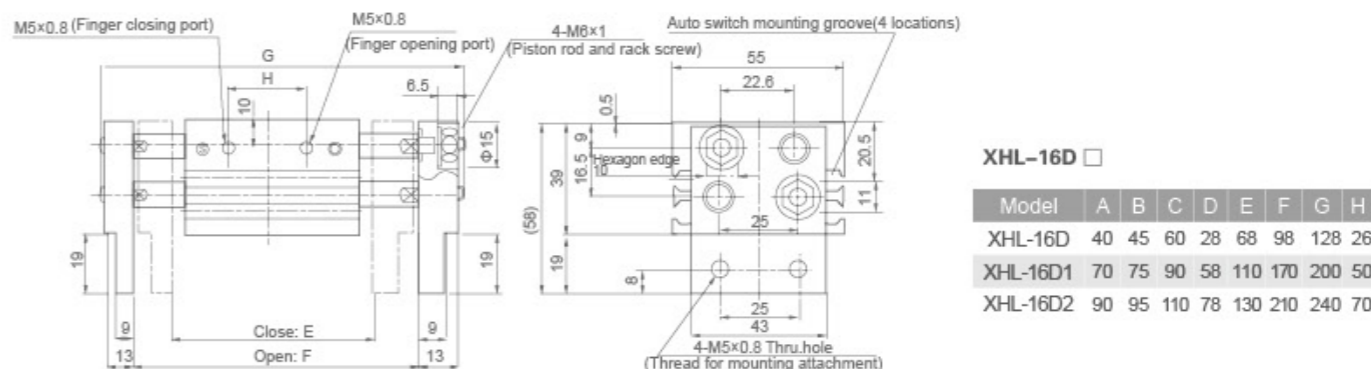
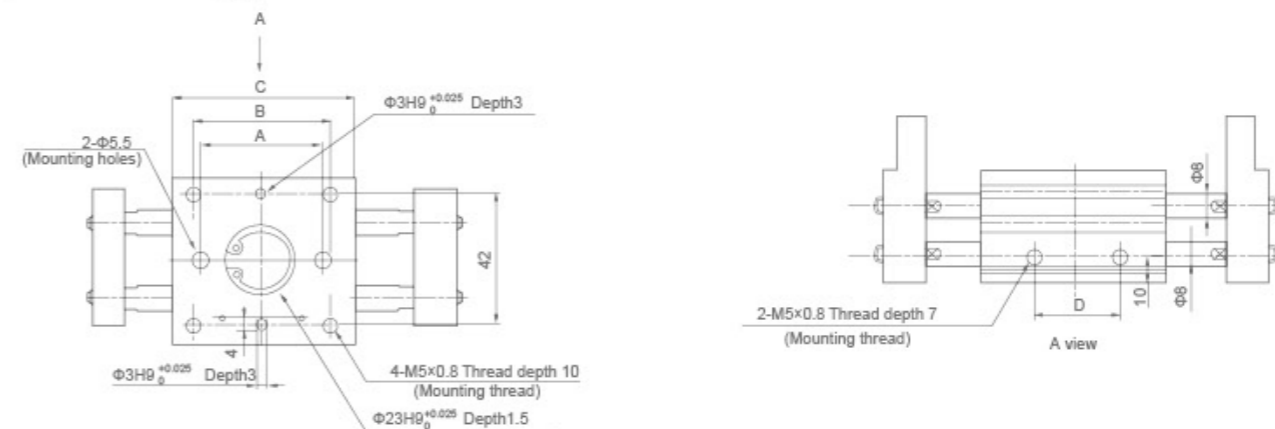
Overall Dimensions



XHL-10D □

Model	A	B	C	D	E	F	G	H
XHL-10D	38	36	51	26	56	76	100	24
XHL-10D1	54	52	67	42	78	118	142	39
XHL-10D2	72	70	85	60	96	156	180	57

Overall Dimensions

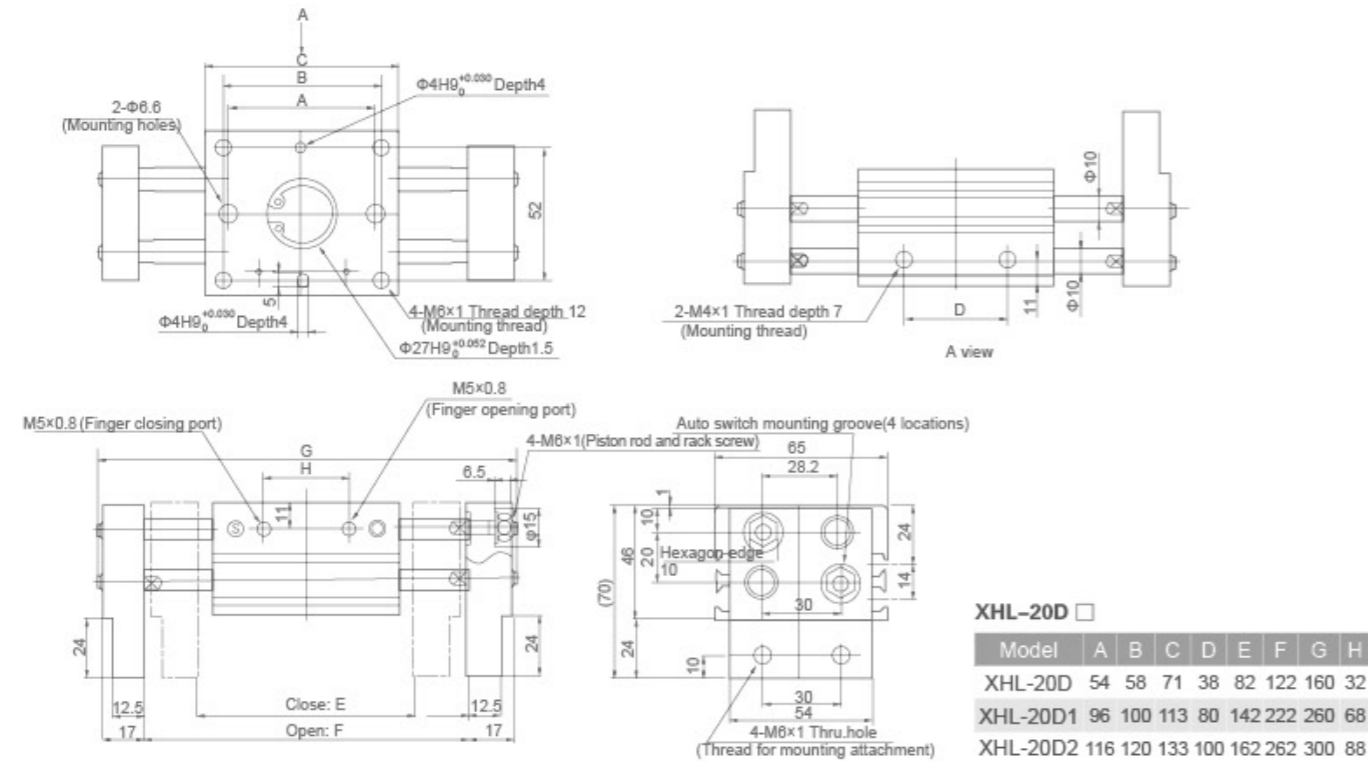


XHL-16D □

Model	A	B	C	D	E	F	G	H
XHL-16D	40	45	60	28	68	98	128	26
XHL-16D1	70	75	90	58	110	170	200	50
XHL-16D2	90	95	110	78	130	210	240	70

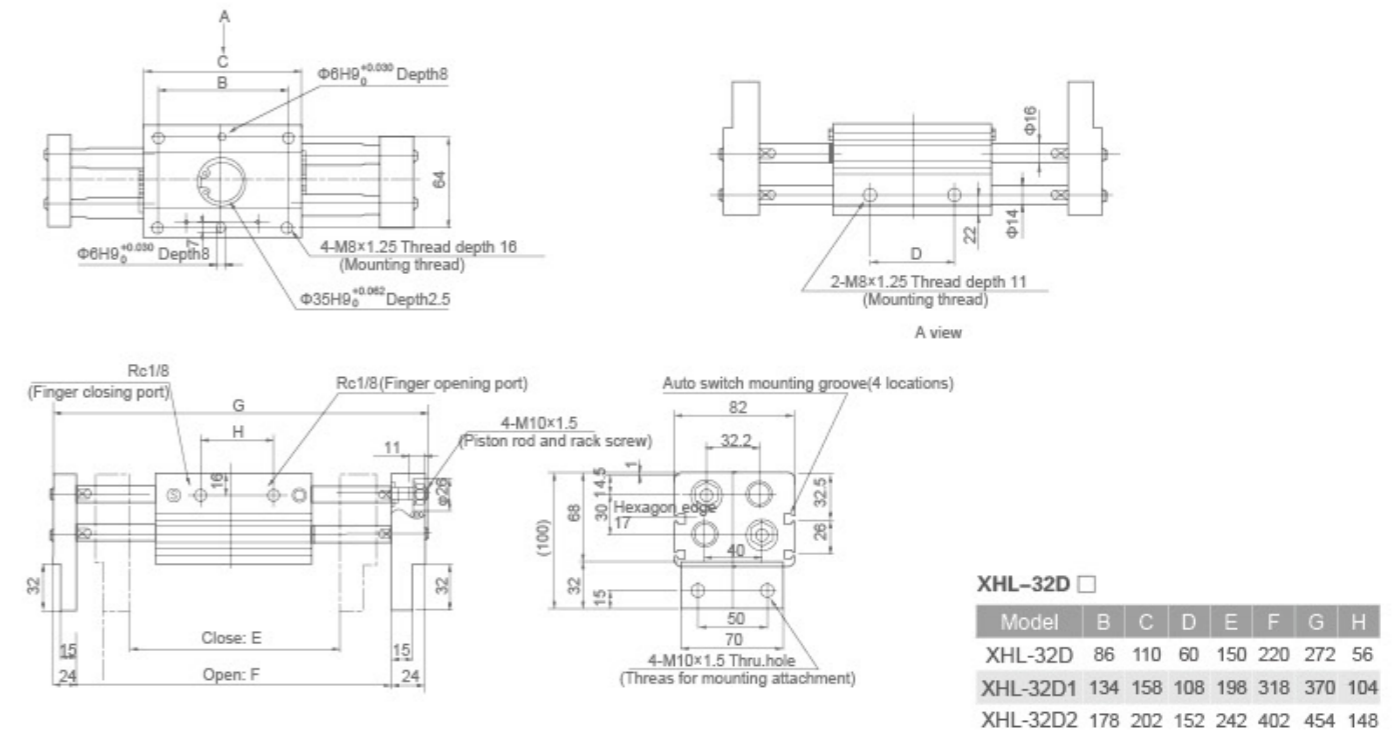
XHL Series Parallel Style Wide Opening Air Gripper

Overall Dimensions

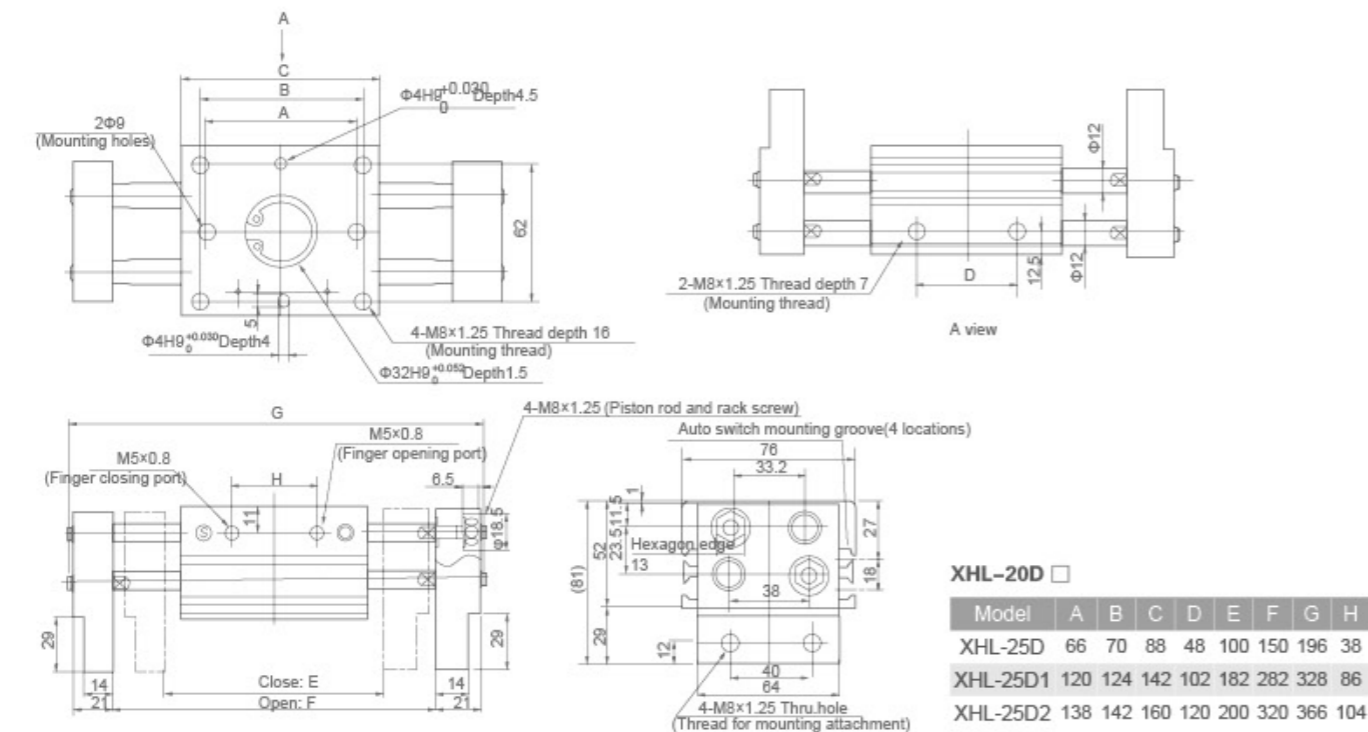


XHL Series Parallel Style Wide Opening Air Gripper

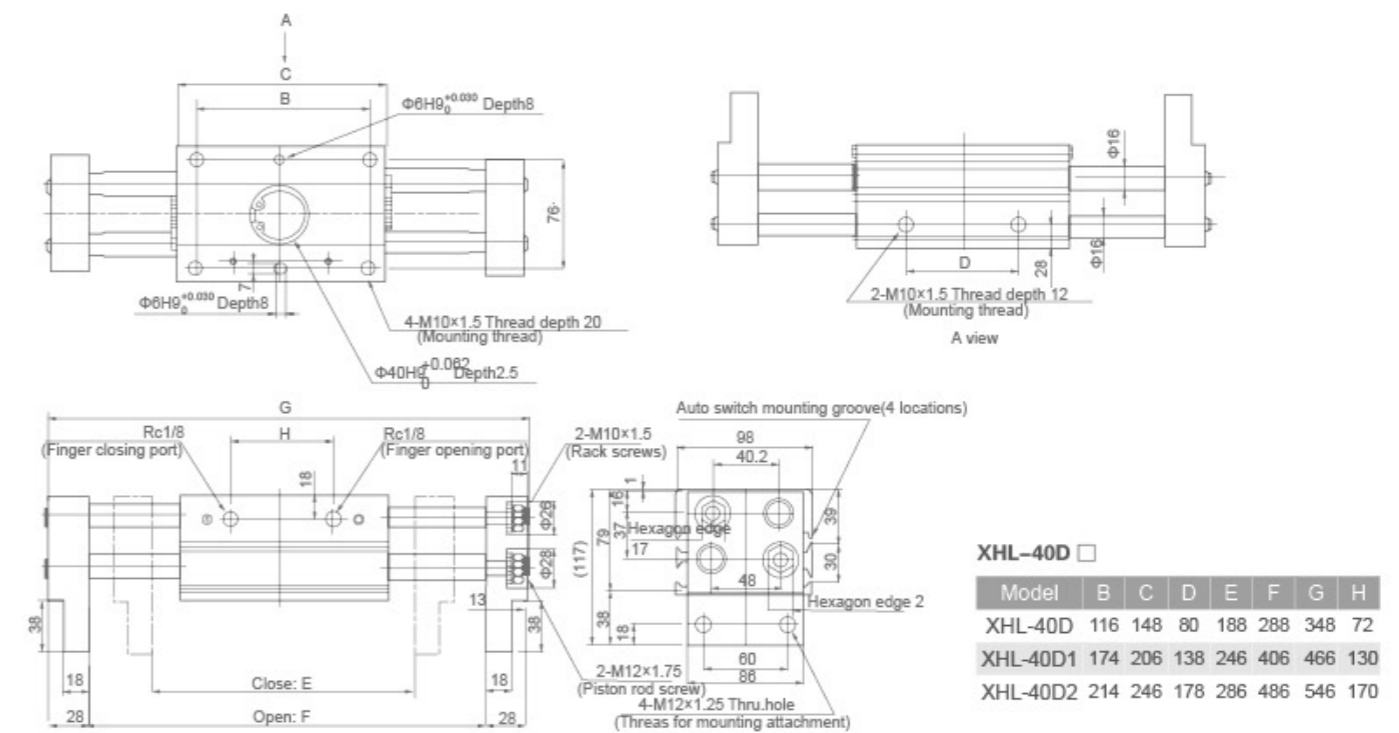
Overall Dimensions



Overall Dimensions



Overall Dimensions



XHF Series Low Profile Air Gripper(Parallel Type)



XHF2-20D

Ordering Code

XHF **2** **12** **D**
Series Code **Finger Quantity** **Cylinder Bore** **Action** **Stroke** **Body Type**
 XHF: Parallel Type Low profile Air Gripper 2: 2PCS 8mm~20mm D: Double-acting Blank: Short Stroke 1: Middle Stroke 2: Long Stroke Blank: Axial Porting Type R: Side Porting Type

Specification

Bore(mm)	8	12	16	20
Working Medium	Air(No Lubrication)			
Operating Pressure Range(Mpa)	0.15~0.7		0.1~0.7	
Ambient And Fluid	-10~+60°C (Not freezing)			
Repeatability Precision(mm)	±0.05*			
Max.motion Frequency (c.p.m)	Short stroke,Middle stroke:120 Long stroke:60			
Motion Pattern	Double acting			
Each Gripper Effective Grip Power	19	48	90	141
Open Close Stroke (Both Side)	8,16,32	12,24,48	16,32,64	20,40,80

- ① If gripper have unbalance loading,for the gear distance,the max,is ±0.15mm
- ② When plessure is 0.5 mpa,grip power distance is 20mm

XHW Series Angular Air Grippers (Rack & Pinion Type)



XHW2-32D

Ordering Code

XHW **2** **20** **D**
Series Code **Finger Quantity** **Cylinder Bore** **Action** **Finger Type**
 XHW: Rack&Pinion Type Air Angular Gripper 2: 2PCS 20mm~50mm D: Double-acting Blank: Flat Type (Standard) 1: Right Angle Type (Tapped Mounting)

Specification

Bore(mm)	20	25	32	40	50
Working Medium	Air				
Motion Pattern	Double acting				
Max.operating Pressure Range(Mpa)	0.7				
Min.operating Pressure Range(Mpa)	0.15				
Ambient And Fluid	-10~+60°C (Not freezing)				
Max.motion Frequency	60c.p.m		30c.p.m		
Repeatability Precision	±0.2mm				
Note1) Grip Moment	0.30	0.73	1.61	3.70	8.27
Note2) Lubrication	Not required				
Port Size	M5x0.8		Rc1/8		Rc1/4

- Note 1) At 0.5MPa pressure ambient
- Note 2) If need lubrication please use ISOVG32

XHS2 Series Slide Guide Air Gripper(Round Body)

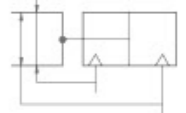


XHS2-32D

Ordering Code

XHS **2** **32** **D**
Series Code **Finger Quantity** **Cylinder Bore** **Action**
 XHS: Round Body Type 2: 2PCS 16mm~63mm D: Double-acting

Graphic Symbol



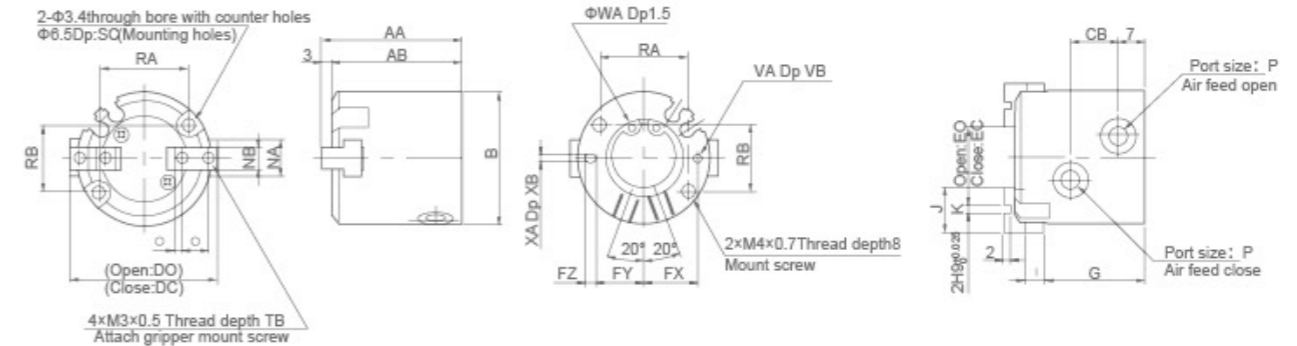
Specification

Bore(mm)	16	20	25	32	40	50	63	
Working Medium	Air							
Operating Pressure Range	0.2~0.6MPa			0.1~0.6MPa				
Ambient And Fluid	-10~+60°C							
Repeatability Precision	±0.01mm							
Max.motion Frequency	120c.p.m.			60 c.p.m.				
Lubrication	Not required							
Motion Pattern	Double acting							
Note:Grip power pressure 0.5Mpa	Outer diameter grip	21	37	63	111	177	280	502
	Inner diameter grip	23	42	71	123	195	306	537
Gripper Stroke	4	4	6	8	8	12	16	
Port Size	M3x0.5			M5x0.8				
Magnetism Switch	With magnet							

- ① Grip outer diameter power,Φ16-Φ25 grip distance L=30mm

Overall Dimensions

XHS2-16D~25D



Dimension Sheet

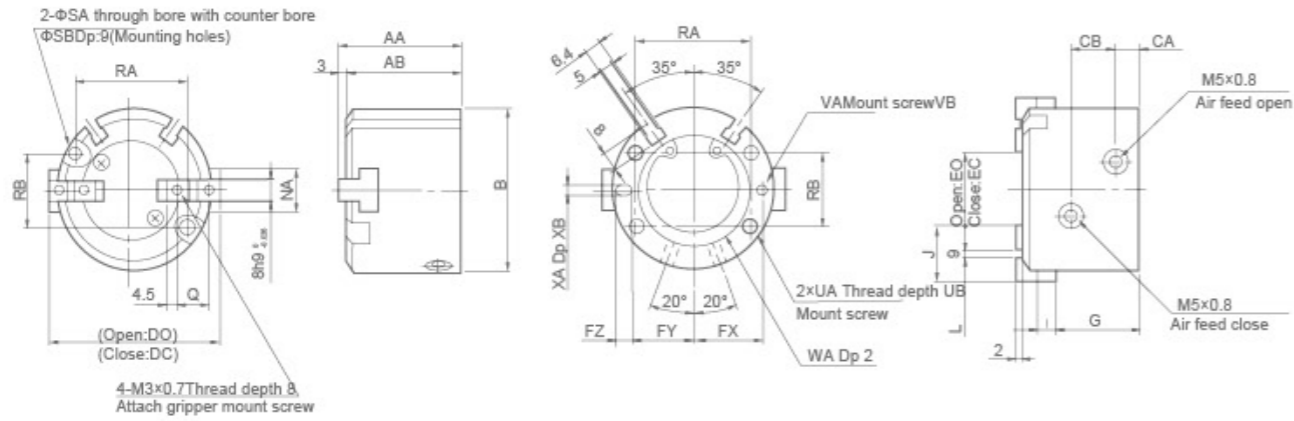
Bore(mm)	AA	AB	B	CB	DC	DO	EC	EO	FX	FY	FZ	G	I	J	K	NA	NB	O	P	Q
16	35	32	30	11	30	34	10	14	12.5	11	3	25	4	10	4	8	5h9 ⁰ _{-0.030}	2	M3x0.5	6
20	38	35	25	13	36	40	12	16	14.5	13	3	27	5	12	5	10	6h9 ⁰ _{-0.030}	2.5	M5x0.8	7
25	40	37	42	15	42	48	14	20	17	14.5	5	28	5	14	6	12	6h9 ⁰ _{-0.030}	3	M5x0.8	8

Bore(mm)	RA	RB	SC	TB	VA	VB	WA	XA	XB
16	18	16	8	5	2H9 ^{+0.025} ₀	2	17H9 ^{+0.043} ₀	2H9 ^{+0.025} ₀	2
20	24	18	9.5	6	2H9 ^{+0.025} ₀	2	21H9 ^{+0.052} ₀	2H9 ^{+0.025} ₀	2
25	26	22	10	6	3H9 ^{+0.025} ₀	3	3H9 ^{+0.052} ₀	3H9 ^{+0.025} ₀	3

XHS2 Series Slide Guide Air Gripper(Round Body)

Overall Dimensions

XHS2-32D~40D

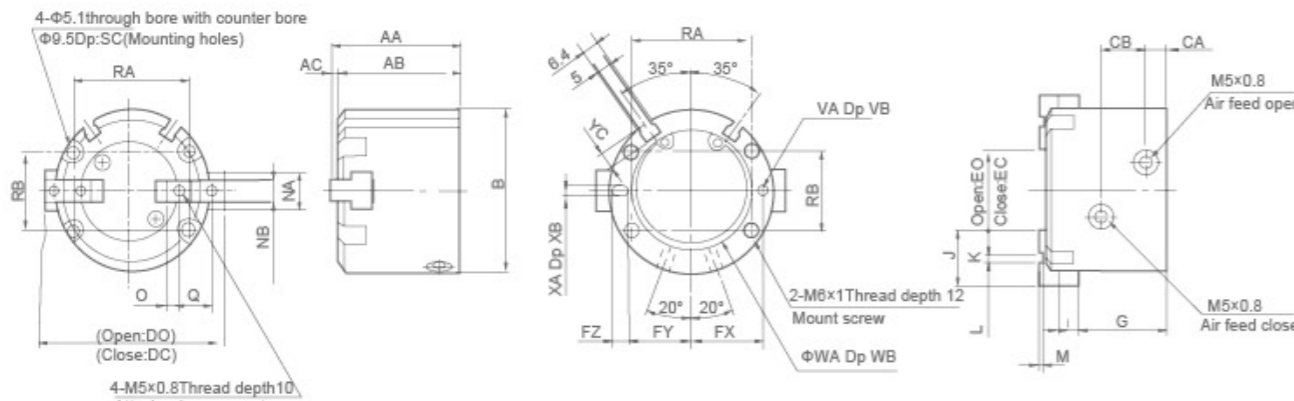


Bore(mm)	AA	AB	B	CA	CB	DC	DO	EC	EO	FX	FY	FZ	G	I	J	L	NA
32	44	41	56	8	16	56	64	16	24	23	20.5	5	30.5	6	20	2H9 ^{+0.025} ₀	14
40	47	44	62	9	17	62	70	20	28	26.5	23.5	6	32	7	21	3H9 ^{+0.025} ₀	16

Bore(mm)	Q	RA	RB	SA	SB	UA	UB	VA	VB	WA	XA	XB
32	11	38	25	4.5	8	M5x0.8	10	3H9 ^{+0.025} ₀	3	34H9 ^{+0.025} ₀	3H9 ^{+0.025} ₀	3
40	12	44	28	5.5	9.5	M6x1	12	4H9 ^{+0.030} ₀	4	42H9 ^{+0.032} ₀	4H9 ^{+0.030} ₀	4

Overall Dimensions

XHS2-50D~63D



Dimension Sheet

Bore(mm)	AA	AB	AC	B	CA	CB	DC	DO	EC	EO	FX	FY	FZ	G	I	J	K
50	55	52	3	70	9	20	70	82	22	34	31	28	6	37.5	9	24	10
63	66	62	4	86	12	22	86	102	30	46	38	34.5	7	44	11	28	11

Bore(mm)	L	M	NA	NB	O	Q	RA	RB	SC	VA	VB	WA	WB	XA	XB	YC
50	4H9 ^{+0.030} ₀	2	18	10H9 ⁰ _{-0.036}	5	14	52	34	12	4H9 ^{+0.030} ₀	4	52H9 ^{+0.074} ₀	2	4H9 ^{+0.030} ₀	4	7
63	6H9 ^{+0.030} ₀	3	24	12H9 ⁰ _{-0.043}	5.5	17	66	38	14	5H9 ^{+0.030} ₀	5	65H9 ^{+0.074} ₀	2.5	5H9 ^{+0.030} ₀	5	7.5

XHS3 Series Slide Guide Air Gripper(Round Body)



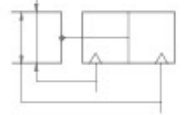
XHS3-20D

Ordering Code

XHS 3 - □ - 32 D

Series Code: XHS: Round Body Type
 Finger quantity: 3: 3PCS
 Type: Blank: Standard, J: With Cover, L: Long Stroke
 Cylinder Bore: 16mm~80mm, 16mm~125mm
 Action: D: Double-acting

Graphic Symbol



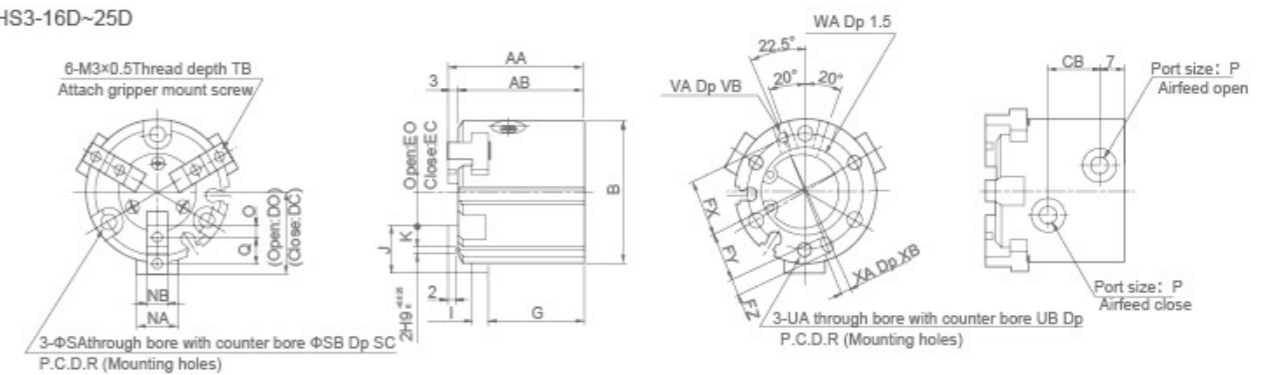
Specification

Bore(mm)	16	20	25	32	40	50	63	80	100	125	
Working Medium	Air										
Operating Pressure Range	0.2~0.6MPa					0.1~0.6MPa					
Ambient And Fluid	-10~60°C										
Repeatability Precision	±0.01										
Max.motion Frequency	120c.p.m					60c.p.m			30c.p.m		
Lubrication	Not required										
Motion Pattern	Double acting										
Note:Grip Power Pressure 0.5Mpa	Outer Diameter Grip	14	25	42	74	118	187	335	500	750	1270
	Inner Diameter Grip	16	28	47	82	130	204	359	525	780	1320
	With Dustpreient Cover Outer Diameter Grip	9	21	36	62	97	155	280	400	-	-
With Cover-standard Gripper Stroke	4	4	6	8	8	12	16	20	24	32	
Long Stroke Gripper Stroke	10	10	12	16	20	28	32	40	48	64	
Port Size	M3x0.5			M5x0.8			1/8	1/4	3/8		
Magnetism switch	With magnet										

Note: Grip outer diameter power, Φ16-Φ25grip distance L=20mm, Φ32-Φ63, grip distance L=30mm, Φ80-Φ125, grip distance L=50mm

Overall Dimensions

XHS3-16D~25D



Dimension Sheet

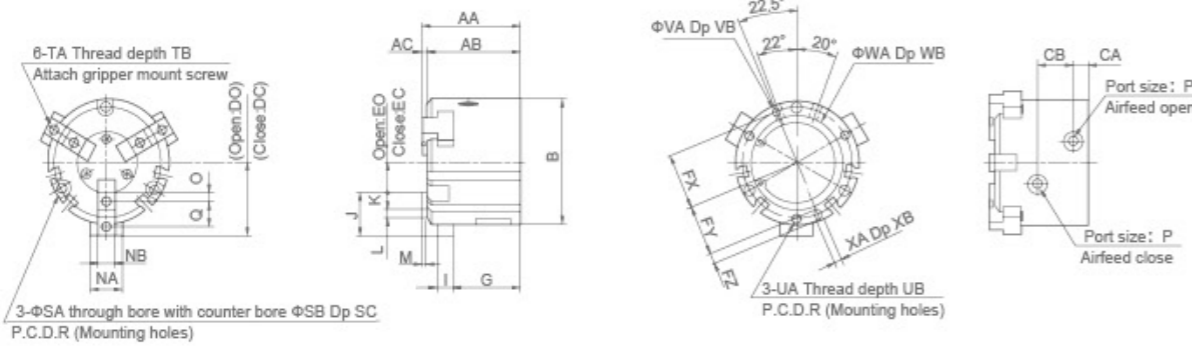
Bore(mm)	AA	AB	B	CB	DC	DO	EC	EO	FX	FY	FZ	G	I	J	K	NA	NB	O	P	Q	R
16	35	32	30	11	15	17	5	7	12.5	11	3	25	4	10	4	8	5h9 ⁰ _{-0.030}	2	M3x0.5	6	25
20	38	35	36	13	18	20	6	8	14.5	13	3	27	5	12	5	10	6h9 ⁰ _{-0.030}	2.5	M5x0.8	7	29
25	40	37	42	15	21	24	7	10	17	14.5	5	28	5	14	6	12	6h9 ⁰ _{-0.030}	3	M5x0.8	8	34

Bore(mm)	SA	SB	SC	TB	UA	UB	VA	VB	WA	XA	XB
16	3.4	6.5	8	5	M3x0.5	4.5	2H9 ^{+0.025} ₀	2	17H9 ^{+0.045} ₀	2H9 ^{+0.025} ₀	2
20	3.4	6.5	9.5	6	M3x0.5	6	2H9 ^{+0.025} ₀	2	21H9 ^{+0.052} ₀	2H9 ^{+0.025} ₀	2
25	4.5	8	10	6	M4x0.7	6	3H9 ^{+0.025} ₀	3	26H9 ^{+0.052} ₀	3H9 ^{+0.025} ₀	3

XHS3 Series Slide Guide Air Gripper(Round Body)

Overall Dimensions

XHS3-32D~80D



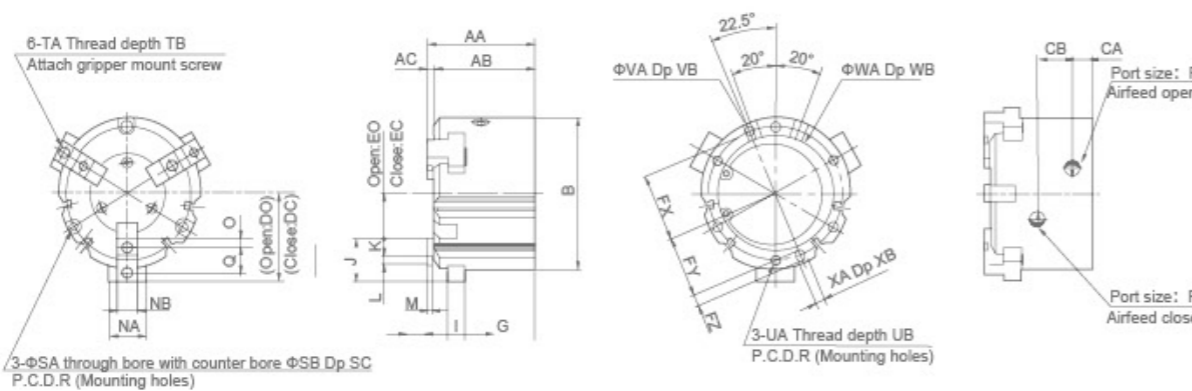
Overall Dimensions

Bore(mm)	AA	AB	AC	B	CA	CB	DC	DO	EC	EO	FX	FY	FZ	G	I	J	K	L	M	NA	NB
32	44	41	3	52	8	16	28	32	8	12	22	19.5	5	30.5	6	20	9	2H9 ^{+0.025} ₀	2	14	8H9 ⁰ _{-0.036}
40	47	44	3	62	9	17	31	35	10	14	26.5	23.5	6	32	7	21	9	3H9 ^{+0.025} ₀	2	16	8H9 ⁰ _{-0.036}
50	55	52	3	70	9	20	35	41	11	17	31	28	6	37.5	9	24	10	4H9 ^{+0.030} ₀	2	18	10H9 ⁰ _{-0.036}
63	66	62	4	86	12	22	43	51	15	23	38	34.5	7	44	11	28	11	6H9 ^{+0.030} ₀	3	24	12H9 ⁰ _{-0.043}
80	82	77	5	106	13.5	27	53.5	63.5	21.5	31.5	47.5	43.5	8	56	12	32	12	8H9 ^{+0.036} ₀	4	28	14H9 ⁰ _{-0.043}

Bore(mm)	O	P	Q	R	SA	SB	SC	TA	TB	UA	UB	VA	VB	WA	WB	XA	XB	YC
32	4.5	M5×0.8	11	44	4.5	8	9	M4×0.7	8	M4×0.7	6	3H9 ^{+0.025} ₀	3	34H9 ^{+0.062} ₀	2	3H9 ^{+0.025} ₀	3	6
40	4.5	M5×0.8	12	53	5.5	9.5	9	M5×0.8	8	M5×0.8	7.5	5H9 ^{+0.025} ₀	4	42H9 ^{+0.062} ₀	2	4H9 ^{+0.030} ₀	4	8
50	5	M5×0.8	14	62	5.5	9.5	12	M5×0.8	10	M5×0.8	10	4H9 ^{+0.030} ₀	4	52H9 ^{+0.074} ₀	2	4H9 ^{+0.030} ₀	4	7
63	5.5	M5×0.8	17	76	6.6	11	14	M5×0.8	10	M6×1	9	5H9 ^{+0.030} ₀	5	65H9 ^{+0.074} ₀	2.5	5H9 ^{+0.030} ₀	5	7.5
80	6	Rc ^{3/8}	20	95	6.6	11	19	M6×1	12	M6×1	12	6H9 ^{+0.030} ₀	6	82H9 ^{+0.087} ₀	3	6H9 ^{+0.030} ₀	6	8

Overall Dimensions

XHS3-100D~125D



Dimension Sheet

Bore(mm)	AA	AB	AC	B	CA	CB	DC	DO	EC	EO	FX	FY	FZ	G	I	J	K	L	M	NA	NB
100	96	90	6	134	18	30.6	66	78	28	40	59	54	10	63	15	38	15	8H9 ^{+0.036} ₀	4	34	18H9 ⁰ _{-0.043}
125	122	114	8	166	23.5	38	82	98	30	46	74	68	12	84	18	52	21	10H9 ^{+0.036} ₀	6	40	22H9 ⁰ _{-0.052}

Bore(mm)	O	P	Q	R	SA	SB	SC	TA	TB	UA	UB	VA	VB	WA	WB	XA	XB
100	7.5	Rc ^{1/4}	23	118	9	14	21	M8×1.25	16	M8×1.25	16	8H9 ^{+0.036} ₀	6	102H9 ^{+0.087} ₀	4	8H9 ^{+0.036} ₀	6
125	10.5	Rc ^{3/8}	31	148	11	17.5	34	M10×1.5	20	M10×1.5	20	10H9 ^{+0.036} ₀	8	130H9 ^{+0.100} ₀	6	10H9 ^{+0.036} ₀	8

XHS4 Series Slide Guide Air Gripper(Round Body)

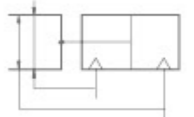


XHS4-32D

Ordering Code

XHS	4	32	D
Series Code XHS: Round Body Type	Finger quantity 4: 4PCS	Cylinder Bore 16mm-63mm	Action D: Double-acting

Graphic Symbol

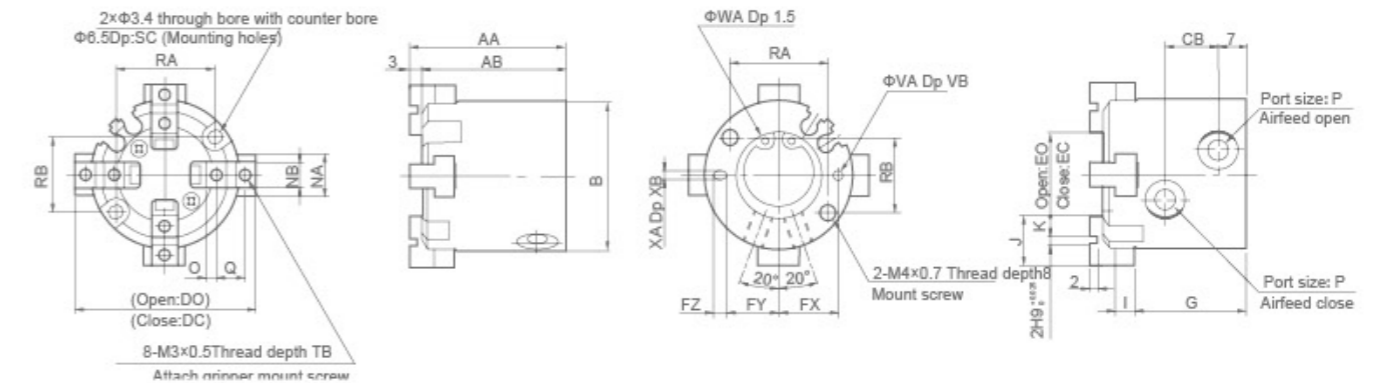


Specification

Bore(mm)	16	20	25	32	40	50	63
Working Medium	Air						
Operating Pressure Range	0.2~0.6MPa			0.1~0.6MPa			
Ambient And Fluid	-10~60°C						
Repeatability Precision	±0.01						
Max.motion Frequency	120c.p.m			60c.p.m			
Lubrication	Not required						
Motion Pattern	Double acting						
Note: grip Power	Outer Diameter Grip	10	19	31	55	88	140
Pressure 0.5Mpa	Inner Diameter Grip	12	21	35	61	97	153
Gripper Stroke	4	4	6	8	8	12	16
Port Size	M3×0.5			M5×0.8			
Magnetism Switch	With magnet						

Note: Grip outer diameter power, Φ16-Φ25 grip distance 20mm, Φ32-Φ63 grip distance 30mm

Overall Dimensions



Dimension Sheet

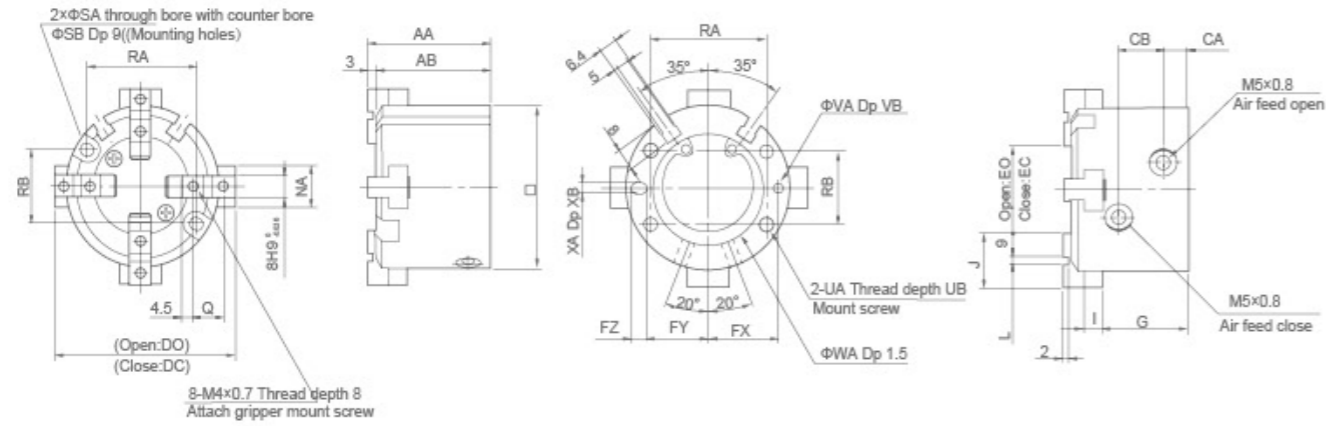
Bore(mm)	AA	AB	B	CB	DC	DO	EC	EO	FX	FY	FZ	G	I	J	K	NA	NB	O	P	Q
16	35	32	30	11	33	37	13	17	12.5	11	3	25	4	10	4	8	5h9 ⁰ _{-0.020}	2	M3x0.5	6
20	38	35	36	13	39	43	15	19	14.5	13	3	27	5	12	5	10	6h9 ⁰ _{-0.030}	2.5	M5x0.8	7
25	40	37	42	15	48	54	20	26	17	14.5	5	28	5	14	6	12	6h9 ⁰ _{-0.030}	3	M5x0.8	8

Bore(mm)	RA	RB	SC	TB	VA	VB	WA	XA	XB
16	18	16	8	5	2H9 ^{+0.025} ₀	2	17H9 ^{+0.043} ₀	2H9 ^{+0.025} ₀	2
20	24	18	9.5	6	2H9 ^{+0.025} ₀	2	21H9 ^{+0.062} ₀	2H9 ^{+0.025} ₀	2
25	26	22	10	6	3H9 ^{+0.025} ₀	3	26H9 ^{+0.062} ₀	3H9 ^{+0.025} ₀	3

XHS4 Series Slide Guide Air Gripper (Round Body)

Overall Dimensions

XHS4-32D~40D

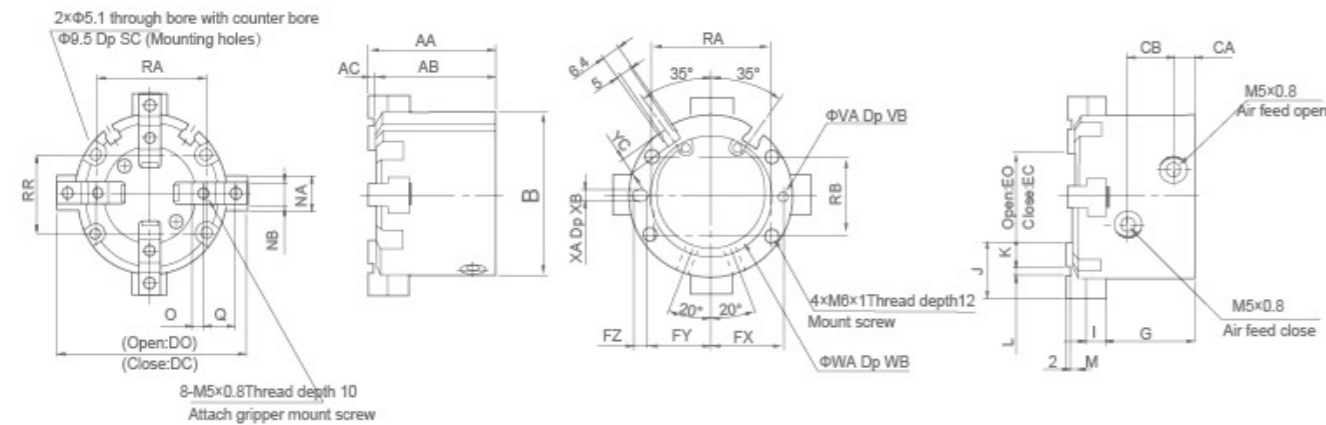


Bore(mm)	AA	AB	B	CA	CB	DC	DO	EC	EO	FX	FY	FZ	G	I	J	L	NA	O	RA	RB	SA
32	44	41	56	8	16	60	68	20	28	23	20.5	5	30.5	6	20	2H9 ^{+0.025} ₀	14	11	38	25	4.5
40	47	44	62	9	17	66	74	24	32	26.5	23.5	6	32	7	21	3H9 ^{+0.025} ₀	16	12	44	28	5.5

Bore(mm)	SB	UA	UB	VA	VB	WA	XA	XB
32	8	M5×0.8	10	3H9 ^{+0.025} ₀	3	34H9 ^{+0.025} ₀	3H9 ^{+0.025} ₀	3
40	9.5	M6×1	12	4H9 ^{+0.025} ₀	4	42H9 ^{+0.025} ₀	4H9 ^{+0.025} ₀	4

Overall Dimensions

XHS4-50~63D



Dimension Sheet

Bore(mm)	AA	AB	AC	B	CA	CB	DC	DO	EC	EO	FX	FY	FZ	G	I	J	K	L	M	NA	NB
50	55	52	3	70	9	20	74	86	26	38	31	28	6	37.5	9	24	10	4H9 ^{+0.025} ₀	2	18	10H9 ⁰ _{-0.038}
63	66	62	4	86	12	22	91	107	35	51	38	34.5	7	44	11	28	11	6H9 ^{+0.025} ₀	3	24	12H9 ⁰ _{-0.043}

Bore(mm)	O	Q	RA	RB	SC	VA	VB	WA	WB	XA	XB	YC
50	5	14	52	34	12	4H9 ^{+0.025} ₀	4	52H9 ^{+0.025} ₀	2	4H9 ^{+0.025} ₀	4	7
63	5.5	17	66	38	14	5H9 ^{+0.025} ₀	5	65H9 ^{+0.025} ₀	2.5	5H9 ^{+0.025} ₀	5	7.5

CY3B Series Rodless Cylinder

Ordering Code

CY3 Series code
CY3: Standard

B Piping Form
B: Normal Type

25 Bore Size
15mm~40mm

50 Stroke
See Stroke List



CY3B 20 x 400

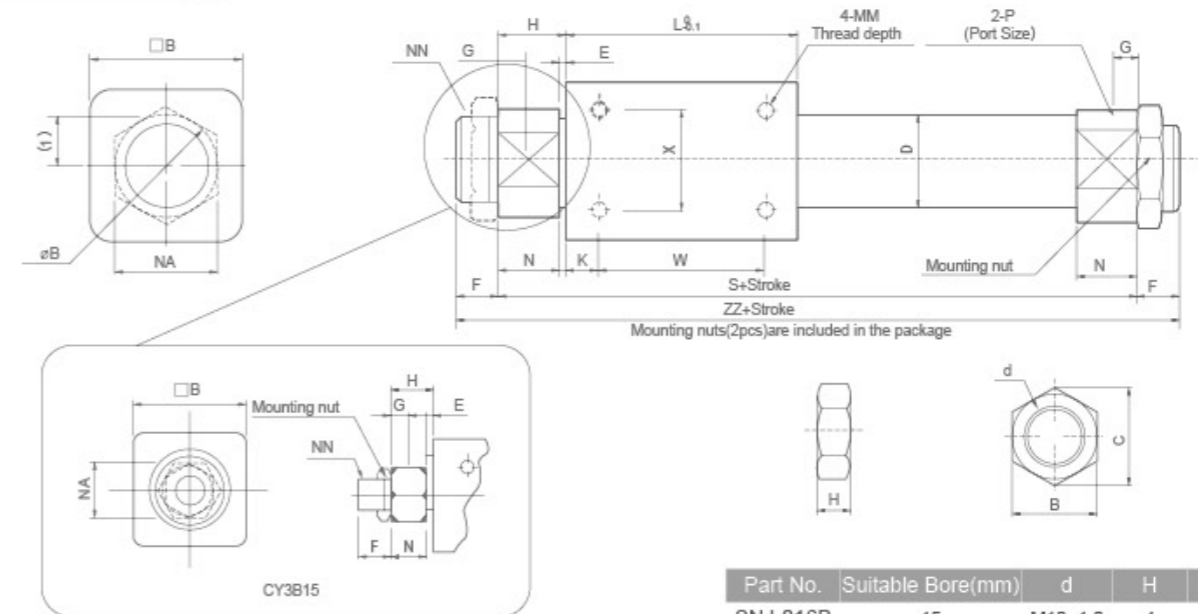
Specification

Bore(mm)	15	20	25	32	40
Working Medium	Air (to be filtered by 40µm filter element)				
Max. operating Pressure	0.7Mpa				
Min. operating Pressure	0.16Mpa	0.15Mpa	0.14Mpa	0.12Mpa	
Environment And Fluid Temperature	-10~60°C (No freezing)				
Piston Speed Mm/S	50~400				
Cushion Type	Rubber cushion on both ends				
Stroke Tolerance(mm)	0~250 ^{+1.0} , 251~1000 ^{+1.4} , 1001~ ^{+1.8}				
Magnet Holding Force N	137	231	363	588	922
Size Port	M5×0.8		Rc1/8		

Stroke

Bore (mm)	Standard stroke (mm)	Max. stroke (mm)	
		Without switch	With switch
15	50, 100, 150, 200, 250, 300, 350, 400, 450, 500	1000	750
20		1500	1000
25	100, 150, 200, 250, 300, 350, 400, 450, 500, 600, 700, 800		1200
32		3000	
40	100, 150, 200, 250, 300, 350, 400, 450, 500, 600, 700, 800, 900, 1000		1500

Overall Dimensions



Dimension Sheet

Bore(mm)	B	D	E	F	G	H	I	J	K	L	MM	N	NA	NN	R	S	W	X	ZZ
15	35	16.6	3	10	5.5	13	-	6	11	57	M4×0.7	11	17	M10×1	-	83	35	19	103
20	36	21.6	2	13	7.5	20	12	6	8	66	M4×0.7	18	24	M20×1.5	28	106	50	25	132
25	46	26.4	2	13	7.5	20.5	15	8	10	70	M5×0.8	18.5	30	M26×1.5	34	111	50	30	137
32	60	33.6	2	16	8	22	18	8	15	80	M6×1	20	36	M26×1.5	40	124	50	40	156
40	70	41.6	3	16	11	29	23	10	16	92	M6×1	26	46	M32×2	50	150	60	40	182

Part No.	Suitable Bore (mm)	d	H	B	C
SNJ-016B	15	M10×1.0	4	14	16.2
SN-020B	20	M20×1.5	8	26	30
SN-032B	25, 32	M26×1.5	8	32	37
SN-040B	40	M32×2.0	10	41	47.3

CY3R Series Rodless Cylinder



CY3R 25x300

Ordering Code

CY3R — **G** — **25** × **50**

Series code
CY3R: Magnetically Coupled-Direct mount Type

Piping Form
Blank: Both sides of the pipe
G: Centralized piping

Bore size
15mm~40mm

Stroke
See Stroke List

Specification

Bore(mm)	15	20	25	32	40
Fluid	Air(Non Lub)				
Max.operating pressure	0.7				
Min.operating pressure	0.16		0.15	0.14	0.12
Environment and fluid temperature	-10~60°C (No freezing)				
Piston speed mm/s	50~500				
Cushion type	Rubber cushion on both ends				
Stroke tolerance	0~250 ^{+1.0} , 251~1000 ^{+1.4} , 1001~1500 ^{+1.8}				
Magnet holding force N	137	231	363	588	922
Port Size	M5x0.8		Rc1/8		

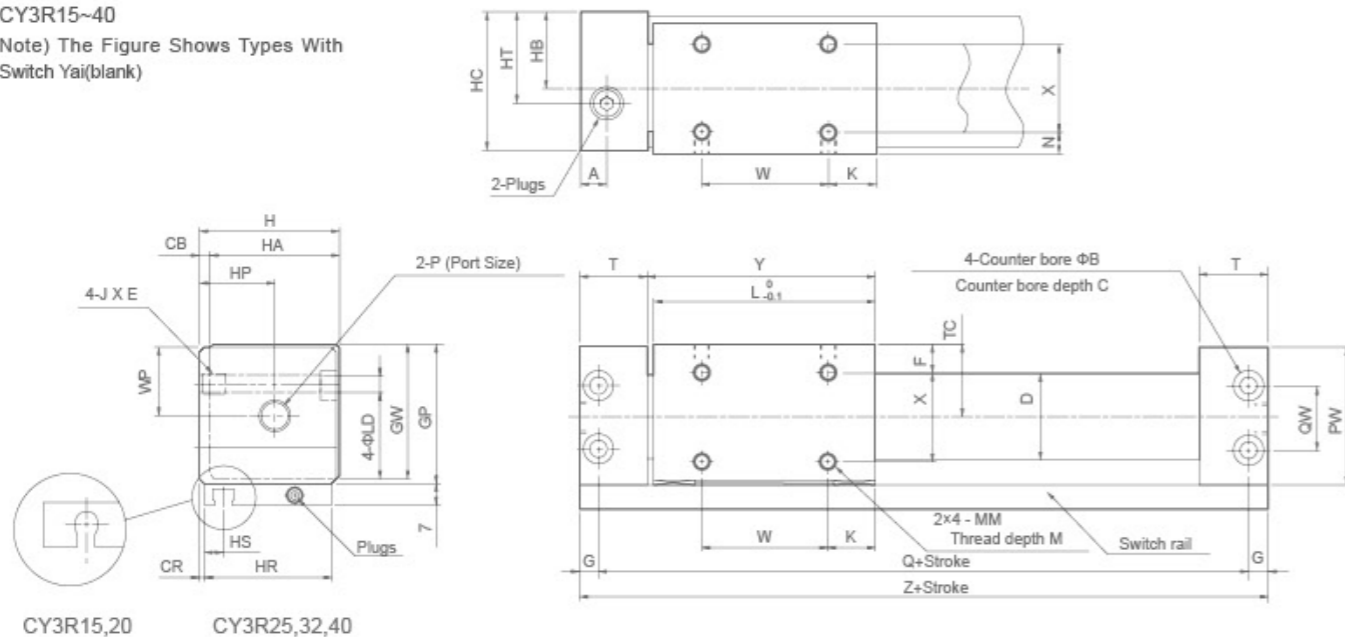
Stroke

Bore(mm)	Standard Stroke(mm)
15	50,100,150,200,250,300,350,400,450,500
20	
25	100,150,200,250,300,350,400,450,500,600,700,800
32	
40	100,150,200,250,300,350,400,450,500,600,700,800,900,1000

70% longer wear ring length achieving an improvement in bearing performance compared to CY3B.
A special resin Lub-retainer is installed on the dust seal to achieve idea lubrication on the external surface of the cylinder tube.
By using a Lub-retainer,the minimum operating pressure is reduced by 30%.
The mounting dimensions are the same as CY3B series.

Overall Dimensions

CY3R15~40
Note) The Figure Shows Types With Switch Yai(blank)



CY3R Series Rodless Cylinder

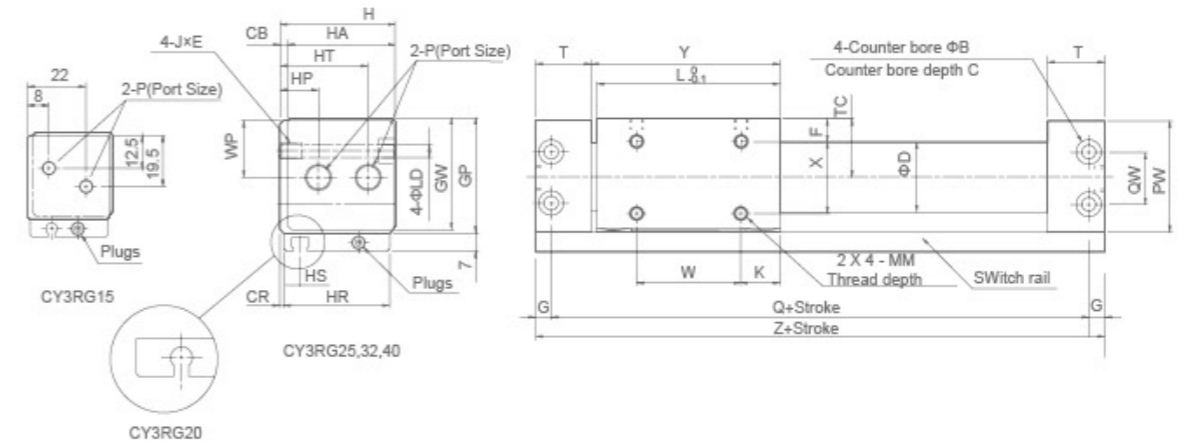
Dimension Sheet

Bore(mm)	A	B	C	CB	CR	D	F	G	GP	GW	H	HA	HB	HC	HP	HR	HS	HT	J×E	K
15	10.5	8	4.2	2	0.5	16.6	8	5	33	31.5	32	30	17	31	17	30	8.5	17	M5x0.8x7	14
20	9	9.5	5.2	3	1	21.6	9	6	39	37.5	39	36	21	38	24	36	7.5	24	M6x1x8	11
25	8.5	9.5	5.2	3	1	26.4	8.5	6	44	42.5	44	41	23.5	43	23.5	41	6.5	23.5	M6x1x8	15
32	10.5	11	6.5	3	1.5	33.6	10.5	7	55	53.5	55	52	29	54	29	51	7	29	M8x1.25x10	13
40	10	11	6.5	5	2	41.6	13	7	65	63.5	67	62	36	66	36	62	8	36	M8x1.25x10	15

Bore(mm)	L	LD	M	MM	N	PW	Q	QW	T	TC	W	WP	X	Y	Z
15	53	4.3	5	M4x0.7	6	32	84	18	19	17	25	16	18	54.5	94
20	62	5.6	5	M4x0.7	7	38	95	17	20.5	20	40	19	22	64	107
25	70	5.6	6	M5x0.8	6.5	43	105	20	21.5	22.5	40	21.5	28	72	117
32	76	7	7	M6x1	8.5	54	116	26	24	28	50	27	35	79	130
40	90	7	8	M6x1	11	64	134	34	26	33	60	32	40	93	148

Overall Dimensions

CY3RG15~40



Dimension Sheet

Bore(mm)	A	B	C	CB	CR	D	F	G	GP	GW	H	HA	HB	HC	HP	HR	HS	HT	J×E	K
15	10.5	8	4.2	2	0.5	16.6	8	5	33	31.5	32	30	17	31	17	30	8.5	17	M5x0.8x7	14
20	9	9.5	5.2	3	1	21.6	9	6	39	37.5	39	36	21	38	24	36	7.5	24	M6x1x8	11
25	8.5	9.5	5.2	3	1	26.4	8.5	6	44	42.5	44	41	23.5	43	23.5	41	6.5	23.5	M6x1x8	15
32	10.5	11	6.5	3	1.5	33.6	10.5	7	55	53.5	55	52	29	54	29	51	7	29	M8x1.25x10	13
40	10	11	6.5	5	2	41.6	13	7	65	63.5	67	62	36	66	36	62	8	36	M8x1.25x10	15

Bore(mm)	L	LD	M	MM	N	PW	Q	QW	T	TC	W	WP	X	Y	Z	HP	HT
15	53	4.3	5	M4x0.7	6	32	84	18	19	17	25	16	18	54.5	94	-	-
20	62	5.6	5	M4x0.7	7	38	95	17	20.5	20	40	19	22	64	107	11	28
25	70	5.6	6	M5x0.8	6.5	43	105	20	21.5	22.5	40	21.5	28	72	117	14.5	33.5
32	76	7	7	M6x1	8.5	54	116	26	24	28	50	27	35	79	130	20	41
40	90	7	8	M6x1	11	64	134	34	26	33	60	32	40	93	148	25	50

Note: The unmarked sizes are the same as both sides piping type.

CY3S Series Rodless Cylinder



CY3S 25x300

Ordering Code

CY3S — **20** **H** × **50** **BS**

Series code
CY3S: Sliding Type
CDY3S: With Switch Rail

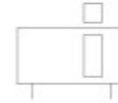
Bore size
6mm~40mm

Magnet Holding Force Type
H: High
L: Lower(Φ6-Φ10, No.L)

Stroke
See Stroke List

Stopper Form
Blank: With adjusting screw
B: 2 hydraulic shock absorbers
BS: 1 pcs hydraulic shock absorber

Graphic Symbol



Specification

Bore size(mm)	6	10	15	20	25	32	40	50	63
Working medium	Air(to be filtered by 40μm filter element)								
Action type	Double-acting								
Max.operating pressure	0.7MPa								
Min.operating pressure	0.18MPa								
Environment and fluid temperature	-10~60°C (No freezing)								
Piston speed	50~400mm/s								
Cushion type	Rubber cushion on both ends								
Stroke tolerance	0~250 ^{+1.0} ₀ , 251~1000 ^{+1.4} ₀ , 1001~ ^{+1.8} ₀								
Lubrication	Not required (Non-lube)								
Port size	M5x0.8			Rc1/8			Rc1/4		
Mounting method	Unlimited								

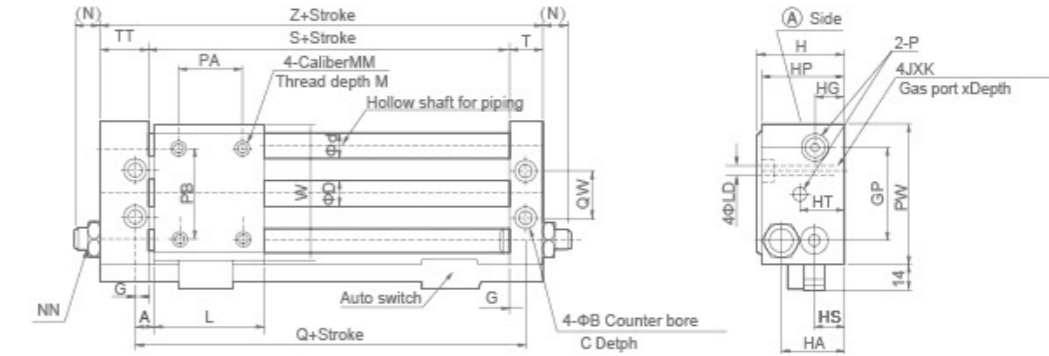
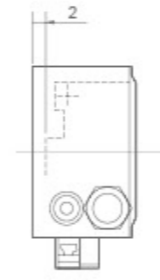
Stroke

Bore(mm)	Standard stroke(mm)	longest stroke(mm)	
		Basic	Slider type
6	50,100,150,200	300	300
10	50,100,150,200,250,300	500	500
15	50,100,150,200,250,350,400,450,500	—	750
20	—	—	1000
25	100,150,200,250,300,350,400,450,500,600,700,800	—	—
32	—	—	1500
40	100,150,200,250,300,350,400,450,500,600,700,800,900,1000	—	—

CY3S Series Rodless Cylinder

Overall Dimensions

CY3S6~10



Dimension Sheet

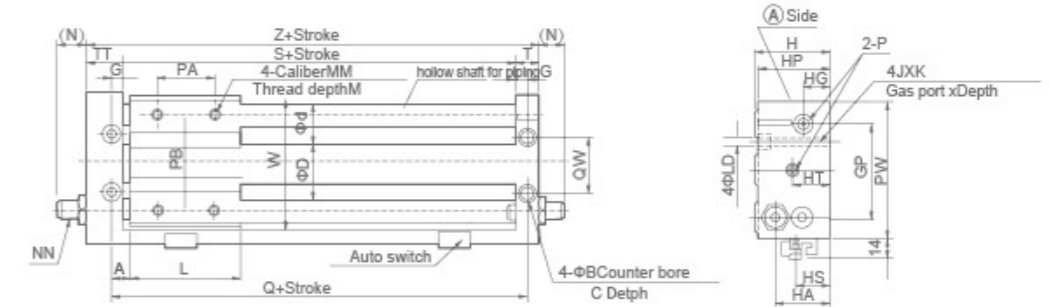
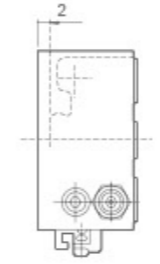
Bore(mm)	Travel range	ΦD	Φd	A	ΦB	C	HT	G	GP	H	HA	HG	HP	HS	T	J×K	L	LD	M
6	~300	7.6	8	6	6.5	3	17	5	32	27	19	8	26	8	10	M4×0.7×6.5	40	3.5	6
10	~300	12	10	7.5	8	4	18	6.5	40	34	25.5	12	33	14	12.5	M4×0.8×9.5	45	4.3	6

Bore(mm)	MM	NN	(N)	P	*PA	PB	PW	QW	Q	S	TT	Z	W
6	M4×0.7	M8×1.0	10	M5×0.8	25	25	50	16	52	42	16	68	46
10	M4×0.7	M8×1.0	9.5	M5×0.8	25	38	60	24	60	47	20.5	80	58

Note) Auto switch can also be mounted on (A) side
Equle about center for PA and L

Overall Dimensions

CY3S15~40



Dimension Sheet

Bore(mm)	Travel range	ΦD	Φd	A	ΦB	C	HT	G	GP	H	HA	HG	HP	HS	T	J×K	L	LD	M
15	~750	16.6	12	7.5	9.5	5	21	6.5	52	40	29	13	39	15	12.5	M6×1.0×9.5	60	5.6	8
20	~1500	21.6	16	10	9.5	5.2	20	8.5	62	46	36	17	45	25.5	16.5	M6×1.0×9.5	70	5.6	10
25	~1500	26.4	16	10	11	6.5	20	8.5	70	54	40	20	53	53	16.5	M8×1.25×10	70	7	10
32	~1500	33.6	20	12.5	14	8	24	9.5	86	66	46	24	64	27	18.5	M10×1.5×15	85	8.7	12
40	~1500	41.6	25	12.5	14	8	25	10.5	104	76	57	25	74	30	20.5	M10×1.5×15	95	8.7	12

Bore(mm)	MM	NN	(N)	P	*PA	PB	PW	QW	Q	S	TT	Z	W
15	M5×0.8	M8×1.0	7.5	M5×0.8	30	50	75	30	75	62	22.5	97	72
20	M6×1.0	M10×1.0	9.5	1/8	40	70	90	38	90	73	25.5	115	87
25	M6×1.0	M14×1.5	11	1/8	40	70	100	42	90	73	25.5	115	97
32	M8×1.25	M20×1.5	11.5	1/8	40	75	122	50	110	91	28.5	138	119
40	M8×1.25	M20×1.5	10.5	1/8	65	105	145	64	120	99	35.5	155	142

Note) Auto switch can also be mounted on (A) side
Equle about center for PA and L

CY3L Series Rodless Cylinder



CY3L 15x200

Ordering Code

CY3L **20** - **H** × **50** **BS**

Series code
CY3L: Sliding Type
Ball Guide Bearing
Type

Bore Size
15mm~40mm

Manget Holding Foece Type
H: High
L: Lower(Φ6-Φ10.No.L)

Stroke
See Stroke List

Stopper Form
No mark: With adjusting screw
B: 2 hydraulic shock absorbers
BS: 1 pcs hydraulic shock absorber

Specification

Bore(mm)	6	10	15	20	25	32	40
Working Medium	Air(to be filtered by 40µm filter element)						
Action Type	Double-acting						
Max.operating Pressure	0.7MPa						
Min.operating Pressure	0.18MPa						
Environment and Fluid Temperature	-10~60°C (No freezing)						
Piston Speed	50~1000mm/s						
Cushion Type	Rubber cushion on both ends Shock absorber(Optional)						
Stroke Tolerance(mm)	0~250 ^{+1.0} , 251~1000 ^{+1.4} , 1001~1500 ^{+1.8}						
Lubrication	Not required (Non-lube)						
Port Size	M5x0.8			Rc1/8		Rc1/4	
Mounting Method	Unlimited						

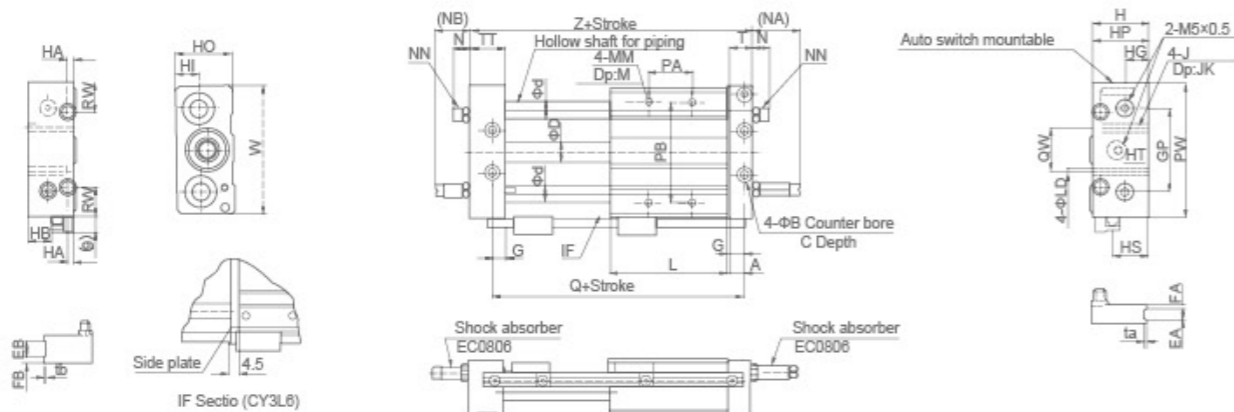
Such as the need for oil, please use turbine No.1 oil ISO VG32.

Stroke

Bore(mm)	Standard storke(mm)	Longeststroke(mm)
6	50,100,150,200	300
10	50,100,150,200,250,300	500
15	50,100,150,200,250,300,350,400,450,500	750
20		1000
25	50,100,150,200,250,300,350,400,450,500,600,700,800	
32		1500
40	50,100,150,200,250,300,350,400,450,500,600,700,800,900,1000	

Overall Dimensions

CY3L 6~10



CY3L Series Rodless Cylinder

Dimension Sheet

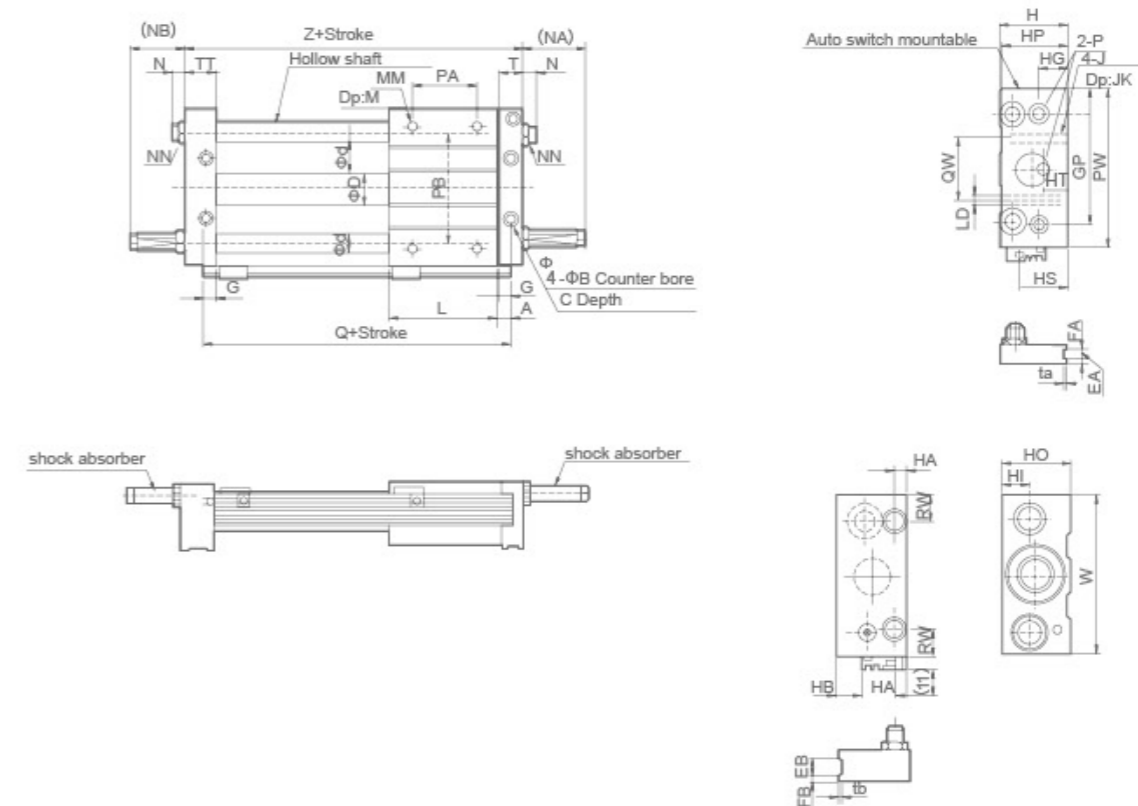
Bore(mm)	Travel range	A	B	C	D	d	EA	EB	FA	FB	G	GP	H	HA	HB	HG	HI	HO	HP	HS	HT
6	~300	7	6.5	3	7.6	8	-	-	-	-	6	36	27	6	10	11	9	25	26	14	16
10	~300	8.5	8	4	12	10	6	12	3	5	7.5	50	34	6	17.5	14.5	13.5	33	33	21.5	18

Bore(mm)	J	JK	L	D	M	MM	N	(NA)	(NB)	NN	*PA	PB	PW	Q	QW	RW	T	TT	ta	tb	W	Z
6	M4x0.7	6.5	40	3.5	6	M4x0.7	10	30	24	M8x1.0	24	40	60	54	20	12	10	16	-	-	56	68
10	M5x0.8	9.5	68	4.3	8	M4x0.7	9.5	27	19	M8x1.0	30	60	80	85	26	17.5	12.5	20.5	0.5	1.0	77	103

Note: Equle about center for PA and L.

Overall Dimensions

CY3L15~40



Dimension Sheet


Bore(mm)	Travel range	A	B	C	D	d	EA	EB	FA	FB	G	GP	H	HA	HB	HG	HI	HO	HP	HS	HT	J	JK	L	LD
15	~750	7.5	9.5	5	16.6	12	6	13	3	6	6.5	65	40	6.5	4	16	14	38	39	25	16	M6x1.0	9.5	75	5.6
20	~1500	9.5	9.5	5.2	21.6	16	-	-	-	-	8.5	80	46	9	10	18	16	44	45	31	20	M6x1.0	10	86	5.6
25	~1500	9.5	11	6.5	26.4	16	8	14	4	7	8.5	90	54	9	18	23	21	52	53	39	20	M8x1.25	10	86	7
32	~1500	10.5	14	8	33.6	20	8	16	5	7	9.5	110	66	12	26.5	26.5	24.5	64	64	47.5	25	M10x1.5	15	100	9.2
40	~1500	11.5	14	8/	41.6	25	10	20	5	10	10.5	130	78	12	35	30.5	28.5	76	74	56	30	M10x1.5	15	136	9.2

Bore(mm)	M	MM	(N)	(NA)	(NB)	NN	P	*PA	PB	PW	Q	QW	RW	T	ta	tb	TT	W	Z	Shock absorber
15	8	M5x0.8	7.5	27	17	M8x1.0	M5x0.8	45	70	95	90	30	15	12.5	0.5	1.0	22.5	92	112	HAC0806
20	10	M6x1.0	10	29	20	M10x1.0	1/8	50	90	120	105	40	28	16.5	-	-	25.5	117	130	HAC1005
25	10	M6x1.0	11	49	40	M14x1.5	1/8	60	100	130	105	50	22	16.5	0.5	1.0	25.5	127	130	HAC1412
32	12	M8x1.25	11.5	52	42	M20x1.5	1/8	70	120	160	121	60	33	18.5	0.5	1.0	28.5	157	149	HAC2020
40	12	M8x1.25	10.5	51	36	M20x1.5	1/4	90	140	190	159	84	35	20.5	1.0	1.0	35.5	187	194	HAC2020

Note: Equle about center for PA and L.

XHSH Series Air Gripper(Through-hole type)

NEW!



Ordering Code: XHSH □ - 3 - 32 - D - □ - □

Series Code
XHSH: Through-hole Type

Dust Cover
Blank: None
J: With Dust Cover (Φ16, Φ20, Φ25 are not available with Dust cover)

Finger Quantity
3: 3PCS

Cylinder Bore
16mm~80mm

Action
D: Double-acting

Center Pusher
Blank: None
A: Cylinder Type
B: Spring Type (Φ16, Φ20, Φ25 are not available with Dust cover)

Dust Cover Material
Blank: CR
F: FKM
S: Si(with dust cover only)

XHSH3-20D


Specification

Bore(mm)	16	20	25	32	40	50	63	80	
Working Medium	Air(No Lubrication)								
Operating Pressure Range	0.2~0.6				0.1~0.6				
Ambient And Fluid	-10~+60°C (Not freezing)								
Repeatability Precision	±0.01								
Max.motion Frequency	120			60			30		
Lubrication	Not required								
Motion Pattern	Double acting								
Note:grip Power Pressure 0.5Mpa	Outer Diameter Grip	9	21	36	62	97	155	280	400
	Inner Diameter Grip	15	26	45	77	118	187	329	490
Central Hole Diameter	Φ3H10 ^{+0.040}	Φ3H10 ^{+0.040}	Φ4H10 ^{+0.040}	Φ6H10 ^{+0.048}	Φ10H10 ^{+0.068}	Φ12H10 ^{+0.070}	Φ16H10 ^{+0.070}	Φ20H10 ^{+0.084}	
Open Close Stroke	4	4	6	8	8	12	16	20	

Note: Grip distance, Φ16-Φ25, is 20mm, at Φ32-Φ63, is 30mm, at Φ80, is 50mm

SRC Series Twist Clamp Cylinder

NEW!



Ordering Code: SRC R 32 × 13 - □

Series Code
SRC: Twist clamp Cylinder

Rotary Direction
R: Right
L: Left

Cylinder Bore
25mm-63mm

Stroke(push)
25: 11mm
32: 13mm
40: 13mm
50: 15mm
63: 15mm

Plate Type
Blank: Single Plate
D: Double Plate (not available for Φ25)

SRC40-90L

Specification

Bore(mm)	25	32	40	50	63
Motion Pattern	Double Action				
Working Medium	Air				
Operating	1.5~9.5(150-950) kg/cm ² (kpa)				
Operating Temperature	0~60				
Operating Stroke	30~500 mm/sec				
Rotating Stroke	11	13			15
Pushing Stroke	11	13			15
Rotating Angle	90°can be customized(0°, 45°, 90°)				
Rotating Direction	Left-handed rotation [from right to left]-L, Right-handed rotation[from left to right]				
Cushion Direction	Rubber Gasket Buffer				
Lubricating	Self Motion Finish Pattern				
Port Size	M5×0.8				

ACK Series Twist Clamp Cylinder

NEW!



Ordering Code: ACK L 25 - 90 - □

Series Code
ACK: Twist Clamp Cylinder (Double Acting Type)
ACKD: Twist Clamp Cylinder (Double Push Plate Type, only for 90°)

Rotary Direction
L: Push and turn left
When the piston of cylinder moves downward, the swivel arms moves anticlockwise, this is called levorotatory
R: Push and turn right
When the piston of cylinder moves downward, the swivel arms moves clockwise, this is called destrorotatory

Cylinder Bore
25mm~63mm

Rotary Angle
90: 90°
180: 180°

Thread Type
Blank: PT
N: NPT
G: G

ACKL25-90

Specification

Bore(mm)	25	32	40	50	63
Motion Pattern	Double Action				
Working Medium	Air				
Operating Pressure Range	0.15~1.0(23~148) kg/cm ² (kpa)				
Compression Resistance	1.5(215) kg/cm ² (kpa)				
Working Temperature °C	-20~80°C				
Operating Speed Range	30~300 mm/s				
Stroke Tolerance Range	+1.0 0				
Rotating Angle Tolerance Range	±1.5				
*Cushion Model	crash pad				
*Port Size	M5×0.8		PT1/8		

MXH Series Slide Cylinder

NEW!



Ordering Code: MXH 10 × 30

Series Code
MXH: Air Slide Table

Cylinder Bore
6mm-20mm

Stroke
5mm-60mm

MXH 16-10

Specification

Bore(mm)	6	10	16	20
Guide Bearing Width	5	7	9	12
Working Medium	Air(to be filtered by 40μm filter element)			
Action	Double acting			
Min.operating Pressure	0.15MPa		0.06MPa	0.05MPa
Max.operating Pressure	0.7MPa			
Ambient And Fluid Temperature	Without auto switch:-10~+70°C With auto switch:-10~+60°C (No freezing)			
Piston Speed	50~500mm/s			
Allowable Kinetic Energy	0.0125	0.025	0.05	0.1
Lubrication	Non-lube			
Cushion	Rubber bumper on both ends			
Stroke Length Tolerance	+1.0 0			
Piping Port Size	M5×0.8			

Such as the need Lubrication, please use turbine No.1 oil ISO VG32.

MXS Series Slide Cylinder



MXS 12x50

Ordering Code

MXS **12** × **50** □ — □

Series Code
MXS: Air Slide Table

Cylinder Bore
6mm~20mm

Stroke
10mm~150mm

Adjuster Option
Blank: Standard
AS: Adjuster on extension end
AT: Adjuster on retraction end
A: Adjuster on both ends
BS: Absorber on extension end (not available forΦ6)
BT: Absorber on retraction end (not available forΦ6)
B: Absorber on both ends (not available forΦ6)

Function Option
Blank: Standard
F: With buffer
R: With end lock (not available forΦ6)
P: Axial Piping Type
FR: With buffer and end lock(not available forΦ6)
FP: With Buffer and axial Piping Type

Specification

Bore(mm)	6×2 (Equivalent Φ8)	8×2 (Equivalent Φ11)	12×2 (Equivalent Φ17)	16×2 (Equivalent Φ22)	20×2 (Equivalent Φ28)	25×2 (Equivalent Φ35)
Working Medium	Air(to be filtered by 40μm filter element)					
Action Way	Double-acting					
Maximum Operating Pressure	0.7MPa					
Minimum Operating Pressure	0.15MPa					
Environment And Fluid Temperature	-10~+60°C					
Piston Speed	50~500mm/s					
Buffering	Rubber buffer(standard)					
Lubrication	Non-lube					
Port Size	M3×0.5	M5×0.8			Rc1/8	

MXQ Series Slide Cylinder



MXQ 16x20

Ordering Code

MXQ **12** × **50** □ — □ **FR**

Series Code
MXQ: Air Slide Table

Cylinder Bore
6mm~25mm

Body Option
Blank: Standard
L: Symmetric Type

Stroke
10mm~150mm

Adjuster Type(optional)
Blank: Standard
AS: Buffer on extension end
AT: Buffer on retraction end
A: Buffer on Both ends
BS: Absorber on extension end(not available forΦ6)
BT: Absorber on retraction end(not available forΦ6)
B: Absorber on both ends(not available forΦ6)
CS: Metal stopper on extension end
CT: Metal stopper on retraction end
C: Metal stopper on both ends

Function Option
Blank: Standard
F: With Buffer
R: With end lock(not available forΦ6)
P: Axial piping type
FR: With buffer and end lock(not available forΦ6)
FP: With buffer and axial piping type

Specification

Bore(mm)	6×2 (Equivalent Φ8)	8×2 (Equivalent Φ11)	12×2 (Equivalent Φ17)	16×2 (Equivalent Φ22)	20×2 (Equivalent Φ28)	25×2 (Equivalent Φ35)
Working medium	Air(to be filtered by 40μm filter element)					
Action way	Double-acting					
Maximum operating pressure	0.7MPa					
Minimum operating pressure	0.15MPa					
Environment and fluid temperature	-10~+60°C (But not frozen)					
Specifications	50~500mm/s(Adjuster option/Metal stoppe:50~200mm/s)					
Cushion	Rubber buffer(standard,Adjuster option/Rubber stopper) Shock absorber(Adjuster option/Shock absorber) None(Adjuster option/Metal stopper)					
Stroke length tolerance	No need					
Lubricatin	Non-Lub					
Port Size	M3x0.5	M3x0.8			Rc1/8	

CRB2 Series Vane Rotary Actuators



CRB2BW30-270S

Ordering Code

CRB2 **B** **W** **U** **10** — **180** **S**

Series Code
CRB2: Rotary Vane
CDRB2: With Magnet

Mounting Type
B: Basic Type
F: Flange Type(Not available for Φ40)

Shaft Type
S: Single Shaft
W: Double shaft

Angle Adjuster
Blank: Without
U: With

Cylinder Bore
10mm~40mm

Rotation Angle
90: 90°
100: 100°(Double Vane)
180: 180° (Single Vane)
270: 270° (Single Vane)

Vane Type
S: Single Vane
D: Double Vane

Specification

Bore(mm)	10	15	20	30	40	
Working medium	Air(to be filtered by 40μm filter element)					
Max.operating pressure	0.7					
Min.operating pressure	0.2			0.15		
Ambient and fluid temperature	5~60					
Rotation time adjustment range	0.03~0.3					
Allowable kinetic energy	Single vane	0.00015	0.00025	0.0001	0.015	0.03
	Double vane	0.0003	0.0012	0.0033	0.02	0.04
Shaft load	Radial	15	15	25	30	60
	Thrust	10	10	20	25	40
Connection size	Side ported	M3×0.5			M5×0.8	
	Axial ported	(Single-blade cylinder side swing angle 90°, 180°-M5×0.8)				
Angle adjustable range of angle adjustment unit	Single vane	0~230°		0~240°		
	Double vane	0~90°				

MRHQ Series Rotary Gripper(Angular Type)



MRHQ16-180S

Ordering Code

MRHQ **10** **D** — **90** **S**

Series Code
MRHQ: Rotary 2 Fingers Gripper

Cylinder Bore
10mm~25mm

Action
D: Double-acting
S: Single-acting (Normally Open)
C: Single-acting (Normally Closed)

Rotation Angle
90: 90°
180: 180°

Single Vane
Single Vane

Specification

Bore(mm)	10	16	20	25
Working Medium	Air(to be filtered by 40μm filter element)			
Claw Motion Pattern	0.7			
Operating Pressure Range (Mpa)	Rotating	0.25~0.7		0.25~1.0
	Claw	Double Action	0.25~0.7	0.1~0.7
		Single Action	0.35~0.7	0.25~0.7
Pendulum Angle	90°±10°, 180°±10°			
Claw Gripe Open Close Repeatability Precision	±0.01mm			
Claw Highest Motion Frequency	180c.p.m			
Ambient And Fluid Temperature	5~60°C (Not freezing)			
Pendulum Adjustable Time	0.07~0.3s/90° (0.5MPa)			
Permission Kinetic Energy (J)	0.0046	0.014	0.034	0.074
Gripper Open Close Stroke (mm)	4	61	0	14

MSUB Series Rotary Table (Vane Type)



MSUB7-180S

Ordering Code

MSUB

20

90

S

Series Code

MSUB: Normal Type
MDSUB: Attach Magnet Type

Nominal Size

1: MSUB 1
3: MSUB 3
7: MSUB 7
20: MSUB 20

Rotation Angle

90: 90°
180: 180°

Vane Type

S: Single Vane
D: Double Vane

Specification

Model	MSUB1	MSUB3	MSUB7	MSUB20
Vane Pattern	Single Vane			
Rotating angle	90°±10°	180°±10°	90°±10°	180°±10°
Working Medium	Air(No Lubrication)			
Ambient and fluid temperature	5~60°C			
Operating Pressure range (MPa)	0.2~0.7	0.15~0.7	0.15~1.0	0.15~1.0
Rotation time adjustable range (0.5MPa)	0.07~0.3s/90°			
Bearing	Bearing			
Port size	M3x0.5		M5x0.8	
Rotation Precision	Within 0.03mm			
Permission axle Lead	Radial direction	20	40	50
	Axial direction	15	30	60
	Moment (N·m)	0.3	0.7	0.9

MU Series Plate Air Cylinder



MDUD 25 x 40

Ordering Code

MU

□

B

25 × 50

D

□

Series Code

MU: Normal Type
MDU: Attach Magnet Type

Rod Type

Blank: Single rod B: Basic Type
W: Double rod

Mounting Type

Blank: Rod end

Cylinder Bore

25: 25mm

Stroke

50: 50mm

Action

D: Double-acting
S: Single-acting
T: Single-acting
Drawing-in Type

Rod End Thread

Blank: Rod end
F: Female Thread
M: Rod end Male Thread

Specification

Bore(mm)	25	32	40	50	63
Working Medium	Air				
Action way	Double-acting Single-acting Drawing-in Type, Single-acting Extrusion Type				
Maximum operating pressure	0.7MPa				
Minimum operating pressure	Double-acting: 0.05MPa Single-acting: 0.18MPa				
Environment and fluid temperature	-10~60°C				
Piston Speed	50~500mm/s				
Cushion	Two side rubber cushion				
Stroke adjustable Range	+1.4 0				
+Lubrication	No need				
Precision of Piston rod Non-rotating	±1°		±0.5°		
Port Size Rc	M5x0.8	1/8	1/4		

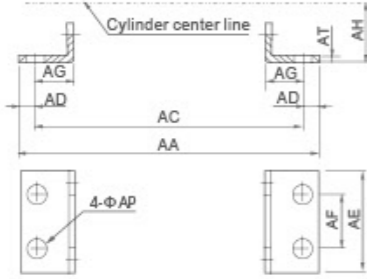
Such as the need Lubrication, please use turbine No.1 oil ISO VG32.

Cylinder Accessories

Cylinder accessories include the mounting parts to fix the air cylinder, made by aluminum or steel. They are available for Standard Cylinders and Mini Cylinders. Magnetism Switch are used as sensor which connected with PLC, to recognize the position of piston inside of air cylinder.

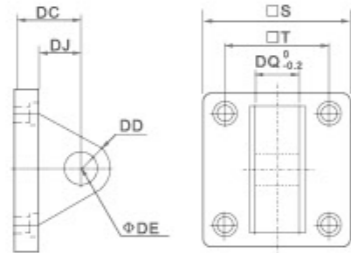
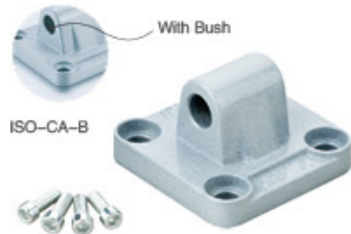


ISO Standard Cylinder Accessories



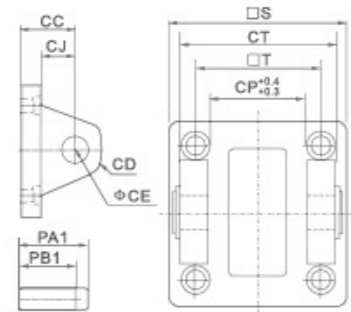
Symbol/Bore	32	40	50	63	80	100	125	160	200
AA	158	179	190	209	248	266	290	340	380
AC	142	161	170	185	210	228	250	300	320
AD	8	9	10	12	19	19	20	20	30
AE	47	53	65	75	95	115	140	180	220
AF	32	36	45	50	63	75	90	115	135
AG	24	28	32	32	41	45	45	60	70
AH	32	36	45	50	63	71	90	115	135
AP	7	9	9	9	12	14.5	16.5	18.5	24
AT	3	3	3	3	4	4	6	6	9

ISO-LB Type Foot Bracket



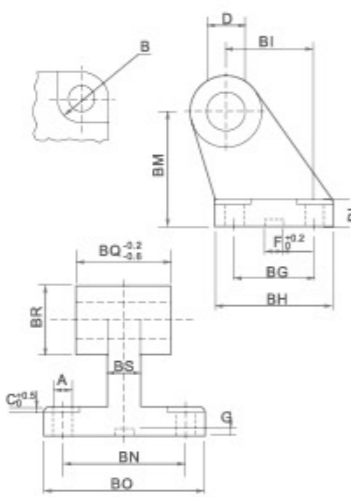
Symbol/Bore	32	40	50	63	80	100	125	160	200
S	47	53	65	75	95	115	140	180	220
T	32.5	38	46.5	56.5	72	89	110	140	175
DC	22	25	27	32	36	41	50	55	60
DD	9	12	12	15	15	20	25	30	30
DE	10	12	12	16	16	20	25	30	30
DJ	13	16	17	22	22	27	33	35.5	36
DQ	25.8	27.8	31.7	39.7	49.7	59.7	69.7	89.7	89.7

ISO-CA Type Single Earring



Symbol/Bore	32	40	50	63	80	100	125	160	200
CC	22	25	27	32	36	41	50	55	60
CD	9	12	12	15	15	20	25	30	30
CE	10	12	12	16	16	20	25	30	30
CJ	13	16	17	22	22	27	31	35.5	36
CP	26	28	32	40	50	60	70	90	90
CT	45	52	60	70	90	110	130	170	170
PA1	51	59	67	77	97	119	139	181	181
PB1	45.5	52.5	60.5	70.5	90.5	110.5	130.5	170.5	170.5
S	47	53	65	75	95	115	140	180	220
T	32.5	38	46.5	56.5	72	89	110	140	175

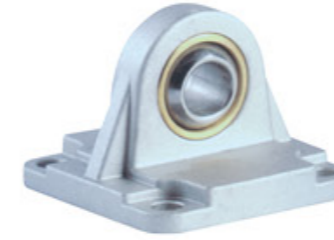
ISO-CB+Pin Type Double Earring



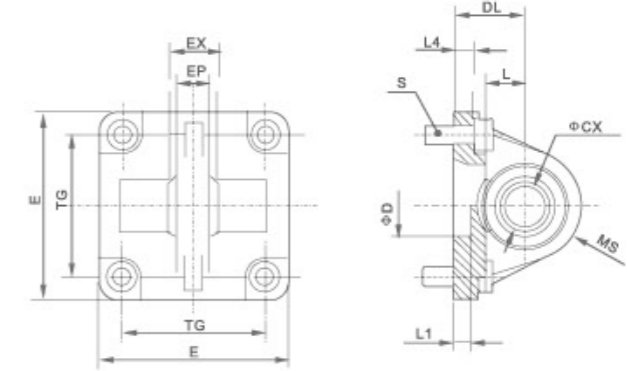
Symbol/Bore	32	40	50	63	80	100	125
A	6.6	6.6	9	9	11	11	14
B	11	11	15	15	18	18	20
BG	18	22	30	35	40	50	60
BH	31	35	45	50	60	70	90
BI	21	24	33	37	47	55	70
BL	8	10	12	14	14	17	20
BM	32	36	45	50	63	71	90
BN	38	41	50	52	66	76	94
BO	51	54	65	67	86	96	124
BS	10	15	16	16	20	20	30
BR	20	22	26	30	30	38	45
C	1.6	1.6	1.6	1.6	2.5	2.5	3.2
D	10	12	12	16	16	20	25
F	10.5	10.5	10.5	10.5	10.5	10.5	10.5
G	3	3	3	3	3	3	3
BQ	26	28	32	40	50	60	70

ISO-SDB Type

ISO Standard Cylinder Accessories



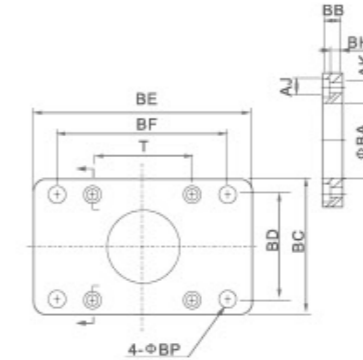
ISO-RB Type



Symbol/Bore	32	40	50	63	80	100
TG	32.5	38	46.5	56.5	72	89
φCX	10	12	16	16	20	20
DL	22	25	27	32	36	41
L	12	15	15	20	20	25
EX	14	16	21	21	25	25
EP	10.5	12	15	15	18	18
S	M6×20	M6×20	M8×20	M8×20	M10×25	M10×25
L4	5.5	5.5	6.5	6.5	10	10
D	30	35	40	45	45	55
L1	7	7	7	7	9	9
E	45	52	65	75	95	115
MS	16	18	21	23	28	30



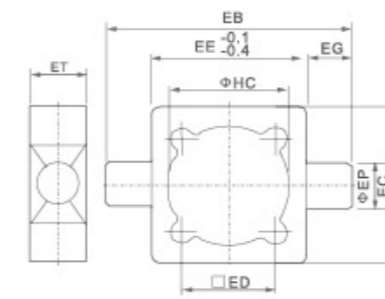
ISO-FA/FB Type Flange



Symbol/Bore	32	40	50	63	80	100	125	160	200
AJ	11	11	14	14	17	17	19	25	25
AK	7	7	9	9	11	11	13	17	17
BA	30.5	35.5	40.5	45.5	45.5	55.5	60.5	65.5	75.5
BB	10	10	12	12	16	16	20	20	25
BC	47	53	65	75	95	115	140	180	220
BD	32	36	45	50	63	75	90	115	135
BE	80	90	110	125	154	186	224	280	320
BF	64	72	90	100	126	150	180	230	270
BH	4	4	4	6	6	6	8	8	12
BP	7	9	9	9	12.5	14.5	16.5	18.5	24
T	32.5	38	46.5	56.5	72	89	110	140	175



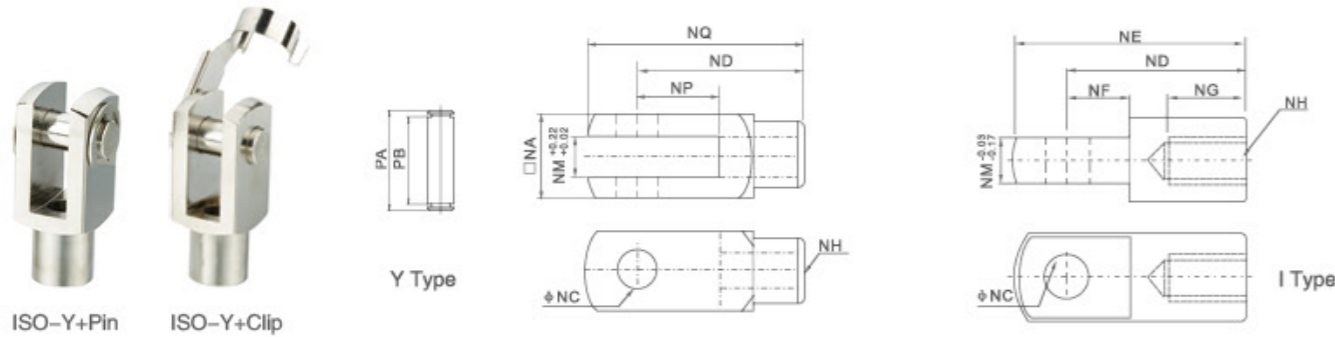
ISO-SI-TC



Symbol/Bore	32	40	50	63	80	100
EB	100	113	125	140	160	182
EC	53	63	75	90	105	128
ED	32.5	38	46.5	56.5	72	89
EE	52	63	75	90	110	128
EG	25	25	25	25	25	25
EP	12	16	16	20	20	25
ET	20	22	22	28	28	34
HC	37	45	55	68	87	107.5

ISO Standard Cylinder Accessories

ISO-Y Joint



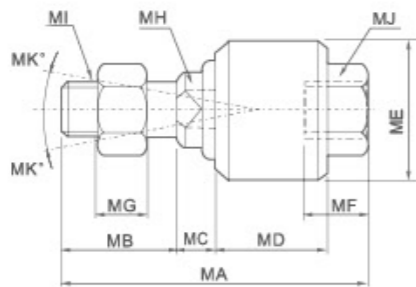
Symbol/Bore	32	40	50	63	80	100	125	160	200
NA	19	25.4	32	32	44.4	44.4	55	70	70
NC	10	12	16	16	20	20	30	35	35
ND	40	48	64	64	80	80	110	144	144
NE	52	67	89	89	112	112	155	201	201
NF	15	24	32	32	40	40	50	50	55
NG	20	20	23	23	30	30	56	72	72
NH	M10×1.25	M12×1.25	M16×1.5	M16×1.5	M20×1.5	M20×1.5	M27×2.0	M36×2.0	M36×2.0
NM	10	12	16	16	20	20	30	35	35
NP	20	24	32	32	40	40	54	72	72
NQ	52	62	83	83	105	105	148	191	191
PA	26.2	32.8	39.3	39.3	53.3	53.3	64	80	80
PB	20	26.5	33	33	45	45	55.6	70.6	70.6



ISO-I Joint



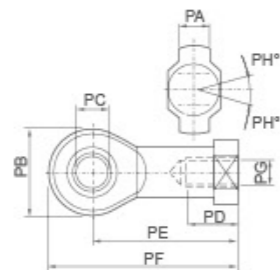
ISO-UJ Type Float Joint



Symbol/Bore	MA	MB	MC	MD	ME	MF	MG	MH	MI	MK
32	58	22	7	21	26	11.5	7	10	M10×1.25	12
40	58	22	8	21	28	11.5	8	12	M12×1.25	12
50	90	27	10	41	44.5	20	10	17	M16×1.5	7
63	90	27	10	41	44.5	20	10	17	M16×1.5	7
80	102	29	13	46	53	24	13	22	M20×1.5	10
100	102	29	13	46	53	24	13	22	M20×1.5	10
125	147	54	13	64	62	39	14	30	M27×2.0	9
160	147	43	23	58	88	35	13.5	36	M36×2.0	15
200	147	43	23	58	88	35	13.5	36	M36×2.0	15



ISO-PHS Type Fish Eye Joint



Symbol/Bore	PA	PB	PC	PD	PE	PF	PG	PH
32	11	26	10	21	43	56	M10×1.25	13
40	12	30	12	24	50	65	M12×1.25	13
50	15	38	16	33	64	83	M16×1.5	15
63	15	38	16	33	64	83	M16×1.5	15
80	18	46	20	40	77	100	M20×1.5	15
100	18	46	20	40	77	100	M20×1.5	15
125	37	70	30	51	110	145	M27×2.0	15
160	43	80	35	56	125	165	M36×2.0	16
200	43	80	35	56	125	165	M36×2.0	16

Standard Cylinder Accessories



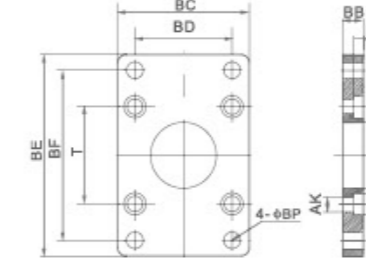
LB Type Foot Bracket



Symbol/Bore	32	40	50	63	80	100	125	160	200
AA	153	169	173	184	199	210	249	328	380
AC	134	140	149	158	167	174	213	288	320
AD	9.5	14.5	12	13	16	18	18	20	30
AE	50	57	68	80	97	112	140	180	220
AF	33	36	47	56	70	84	90	115	135
AG	20.5	23.5	28	31	30	30	45	60	70
AJ	28	30	36.5	41	49	57	90	115	135
AP	9	12	12	12	14	14	16	18	24
AT	3	3	3	3	4	4	8	8	10



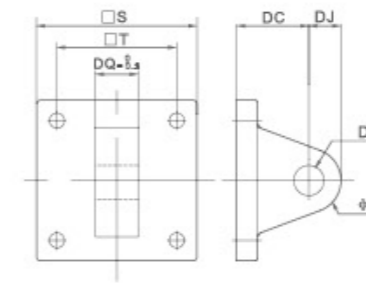
FA/FB Type Flange



Symbol/Bore	32	40	50	63	80	100	125	160	200
BA	28.3	32.3	38.3	38.3	47.3	47.3	56	63	81
BB	10	10	10	12	16	16	16	20	25
BC	47	52	65	76	95	115	140	180	220
BD	33	36	47	56	70	84	90	115	135
BE	72	84	104	116	143	162	224	280	320
BF	58	70	86	98	119	138	180	230	270
BH	6.5	6.5	6.5	8.5	10.5	10.5	10.5	12.5	16.5
AJ	10.5	10.5	13.5	13.5	5	5	19	25	25
AK	6.5	6.5	6.5	8.5	10.5	10.5	12.5	16.5	16.5
BP	7	7	9	9	11	11	16	18	22
T	33	37	47	56	70	84	110	140	175



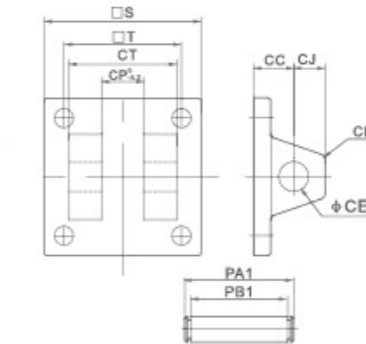
CA Type Single Earring



Symbol/Bore	32	40	50	63	80	100	125	160	200
S	48	50	62	75	94	112	140	180	220
T	33	37	47	56	70	84	110	140	175
DC	34	34	34	34	48	48	50	55	60
DD	14	14	14	14	20	20	25	30	30
DE	12	14	14	14	20	20	25	30	30
DJ	14	14	15	15	20	20	25	30	30
DQ	16	20	20	20	32	32	70	90	90



CB +Pin Type Double Earring



Symbol/Bore	32	40	50	63	80	100	125	160	200
CC	19	19	19	19	32	32	50	55	60
CD	5	5	3	2	8	8	25	30	30
CE	12	14	14	14	20	20	25	30	30
CJ	13	13	15	15	21	21	25	30	30
CP	16	20.5	20.3	20.3	32.3	32.3	70	90	90
CT	32	44	52	52	64	64	120	160	160
PAI	41	51.8	60.3	60.3	73.8	73.8	130	170	170
PBI	33.5	45.8	54	54	65.5	65.5	121.5	161.5	161.5
S	48	50	62	75	94	112	140	180	220
T	33	37	47	56	70	84	110	140	175

Note: CA and CB From 32-100, we can supply two kinds of materials products: 1. Iron 2. Aluminum. When placing order, please indicate product material. From 125-200 are all iron.

Standard Cylinder Accessories



Y+Pin Type Joint



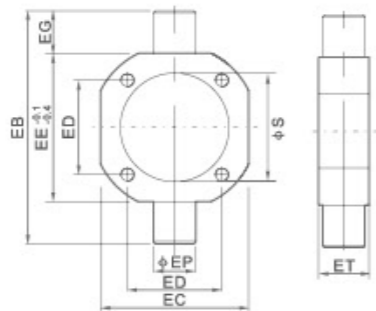
Symbol/Bore	32	40	50	63	80	100	125	160	200
NA	19	25.4	32	32	44.4	44.4	64	80	80
NB	20	24	32	32	40	40	45	54	54
NC	10	12	16	16	20	20	20	30	30
ND	40	48	64	64	80	80	102	120	120
NE	52	67	89	89	112	112	121	130	130
NF	15	24	32	32	40	40	52	35	35
NG	20	20	23	23	30	30	56	50	50
NH	M10x1.25	M12x1.25	M16x1.5	M16x1.5	M20x1.5	M20x1.5	M27x2	M36x2	M36x2
NJ	12	20	22	22	30	30	27	40	40
NK	18	23	30	30	39	39	38	54	54
NM	10	12	16	16	20	20	32	40	40
MP	20	24	32	32	40	40	35	35	35
NQ	52	62	83	83	105	105	122	150	150
PA	25	32.8	39.3	39.3	53.3	53.3	74	91	91
PB	19.5	26.5	33	33	45	45	63.5	81	81



I Type Joint



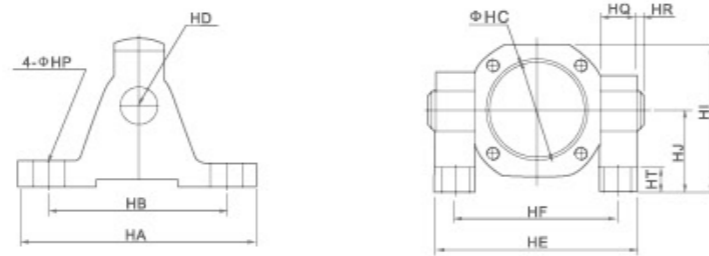
TC Type



Symbol/Bore	32	40	50	63	80	100	125	160	200
EB	88.5	113	126	138	164	182	210	264	320
EC	52	63	76	88	114	132	160	200	248
ED	33	37	47	56	70	84	110	140	175
EE	55	63	76	88	114	132	160	200	248
EG	16.75	25	25	25	25	25	25	32	36
EP	16	25	25	25	25	25	25	32	32
ET	30	30	30	30	30	35	35	41	49
S	37.5	45.5	56.5	68.5	87.5	107.5	134.5	172.5	219.5



TC-M Type

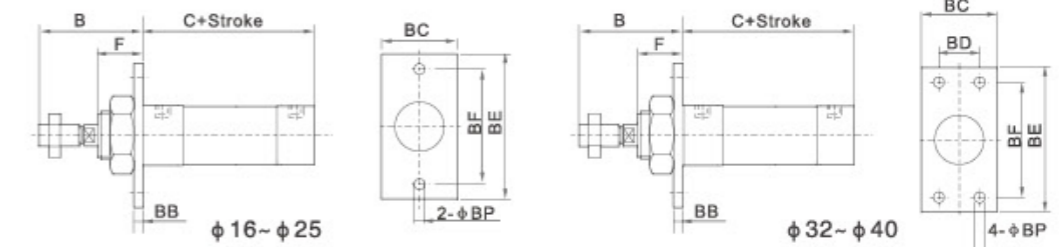


Symbol/Bore	HA	HB	HC	HD	HE	HF	HI	HJ	HQ	HR	HT	HP
40	110	80	45.5	22	109	86	81.5	50	23	2	12	12
50	110	80	55.5	22	122	99	88	50	23	2	12	12
63	110	80	68.5	22	134	111	94	50	23	2	12	12
80	120	85	87.5	22	160	137	127	70	23	2	14	14
100	120	85	107.5	22	178	155	136	70	23	2	14	14

Mini Cylinder Accessories



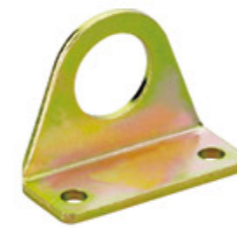
M-FA Type Flange



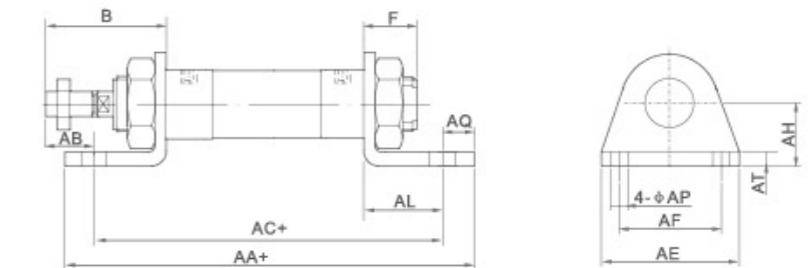
M-FA-A Type

Symbol Bore	B	C		C(MSA Series)		C(MSAL Series)		BB	BC	BD	BE	BF	BP	F
		MA Series	MAL Series	0-50	51-100	0-50	51-100							
16	38	60	-	60	85	-	-	3	26	-	52	40	5.5	16
20	40	76	70	76	101	70	95	4	33	-	64	50	6.5	12
25	44	76	70	76	101	70	95	4	33	-	64	50	6.5	14
32	44	76	70	76	101	70	95	4	47	33	72	58	6.5	14
40	46	76	92	76	101	92	117	4	50	36	84	70	6.5	14

Our company can also provide this used for mini cylinder flange from 16~25, if you need, pls add A after all ordering code, like M-FA-20-A



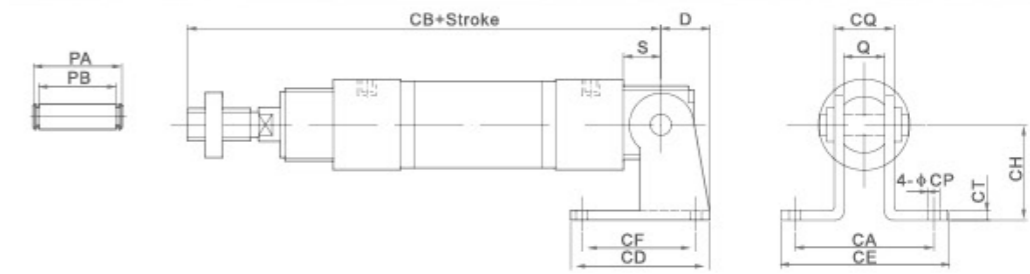
M-LB Type Foot Bracket



Symbol Bore	B	F	AA (MA Series)	AA (MAL Series)	AA(MSA Series)		AA(MSAL Series)		AB	AC (MA Series)	AC (MAL Series)	AC(MSA Series)		AC(MSAL Series)		AE	AF	AL	AQ	AP	AT	AH
					0-50	51-100	0-50	51-100				0-50	51-100	0-50	51-100							
16	38	16	98	-	98	123	-	-	25	86	-	86	111	-	-	44	32	13	6	5.5	3	20
20	40	12	122	116	122	147	116	141	25	106	100	106	131	100	125	54	40	15	8	6.5	3	25
25	44	14	122	116	122	147	116	141	29	106	100	106	131	100	125	54	40	15	8	6.5	3	25
32	44	14	142	136	142	167	136	161	19	126	120	126	151	120	145	59	45	25	8	6.5	4	32
40	46	14	142	158	142	167	158	183	21	126	142	126	151	142	167	64	50	25	8	6.5	4.5	36

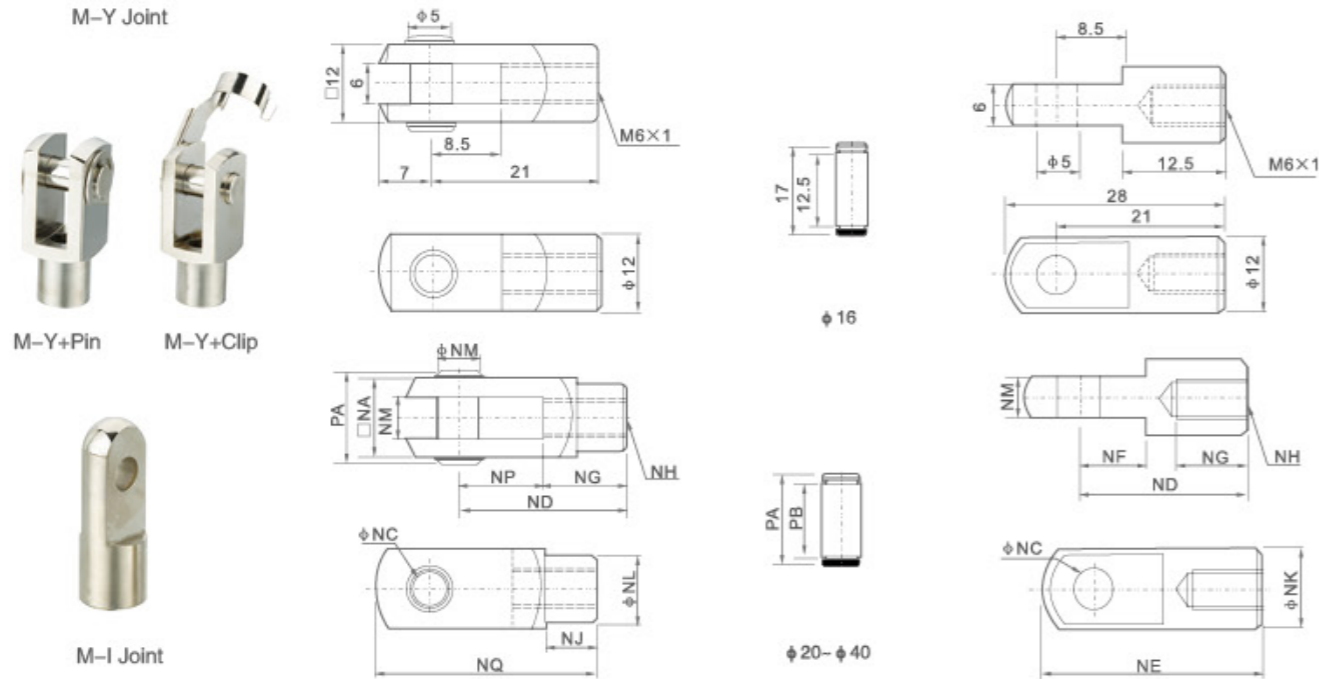


M-SDB Type Bracket

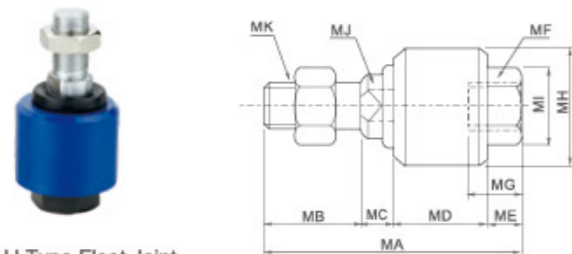


Symbol Bore	D	S	Q	CA	AA(MSA Series)	CB(MAL Series)	CB (MSA Series)		CB (MSAL Series)		CD	CE	CF	CH	CT	CP	CQ	PA	PB
							0-50	51-100	0-50	51-100									
16	16	9	12	-	107	-	107	132	-	-	23	-	12	20	3	5.5	16.5	21	17
20	21	12	16	51	128	122	128	153	122	147	48	67	32	32	3	6.5	22	27	22.5
25	21	12	16	51	132	126	132	157	126	151	48	67	32	32	3	6.5	22	27	22.5
32	27	15	16	51	135	129	135	160	129	154	52	67	36	36	3	6.5	24	30	24.5
40	27	15	20	55	137	153	137	162	153	178	56	71	40	40	3	6.5	28	34	28.5

Mini Cylinder Accessories

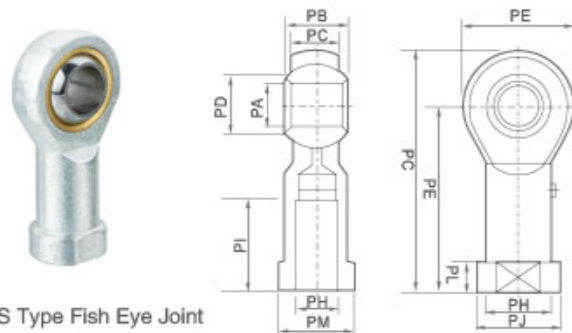


Symbol/Bore	NA	NC	ND	NE	NF	NG	NH	NJ	NK	NL	NM	NN	NP	NQ	PA	PB
20	16	8	30	40	11	15	M8×1.25	10	16	14	8	8	15	40	21	16.5
25	19	10	40	52	15	20	M10×1.25	12	20	18	10	10	20	52	25	19.5
32	19	10	40	52	15	20	M10×1.25	12	20	18	10	10	20	52	25	19.5
40	25.4	10	45	57	15	25	M12×1.25	15	24	23	14	10	20	57	31	26



M-UJ Type Float Joint

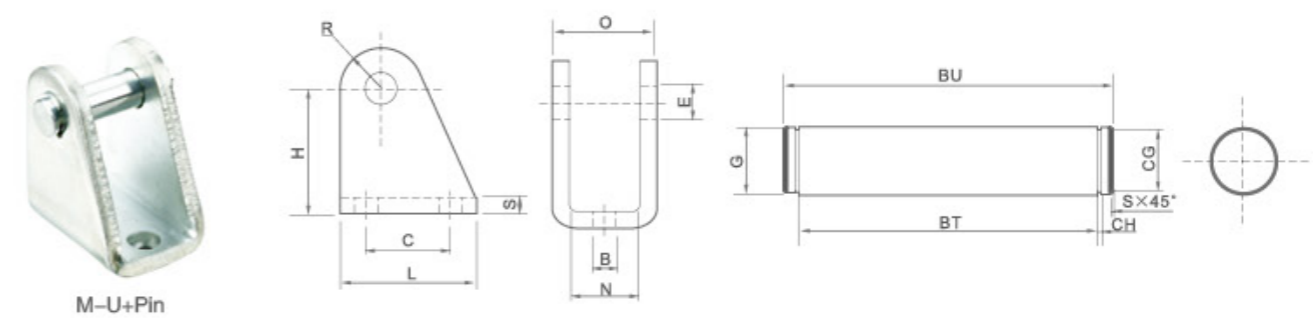
Symbol/Bore	MA	MB	MC	MD	ME	MF	MG	MH	MI	MJ	MK
20	51	20	6	17	8	M8×1.25	12	24	13	8	M8×1.25
25	58	22	7	21	8	M10×1.25	12	26	17	10	M10×1.25
32	58	22	7	21	8	M10×1.25	12	26	17	10	M10×1.25
40	58	22	8	21	7	M12×1.25	12	28	19	12	M12×1.25



M-PHS Type Fish Eye Joint

Symbol/Bore	PA	PB	PC	PD	PE	PF	PG	PH	PI	PJ	PK	PL	PM
20	8	12	9	10.4	22	36	47	M8×1.25	17	16	12.5	5	14
25	10	14	11	12.9	26	43	56	M10×1.25	21	19	15	6.5	17
32	10	14	11	12.9	26	43	56	M10×1.25	21	19	15	6.5	17
40	12	16	12	15.4	30	50	65	M12×1.25	24	22	17.5	6.5	19

Mini Cylinder Accessories




Symbol/Bore	B	E	C	H	L	N	O	R	S	G	BT	CG	CH	BU	S
8/10	4.5	4	12.5	24	20	8.1	13	5	2.5	4	14	2.5	0.5	17	0.2
12/16	5.5	6	15	27	25	13	18	7	2.5	6	19	4	0.8	24	0.4
20/25	6.6	8	20	29.5	32	16.1	24	10	4	8	25.2	5	0.9	29.5	0.5


Special cylinder accessories



Our company can customize all kinds of non-standard cylinder accessories according to your drawing or sample.

Seal Kits for Pneumatic Cylinder

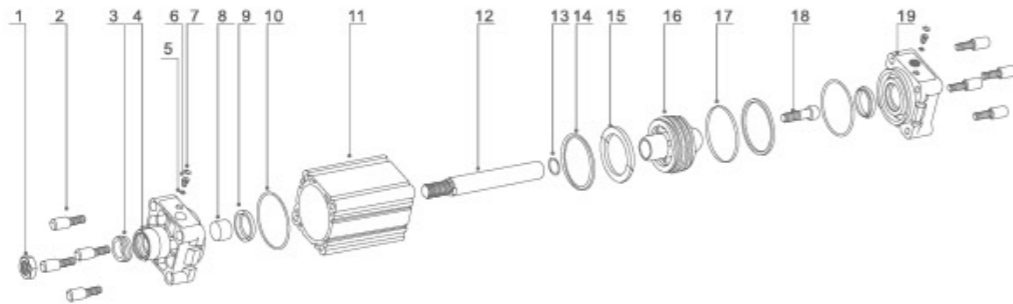
Product	Model	Cylinder bore size	Temperature
 <p>Seal kits-DNC</p>	Seal kits-DNC	Φ32~125	-5~75℃
	Seal kits-DNG	Φ160~320	
	Seal kits-SI	Φ32~200	
	Seal kits-SC	Φ32~200	
	Seal kits-MA	Φ10~40	
	Seal kits-MAL	Φ16~40	
	Seal kits-SDA	Φ12~100	
	Seal kits-ADVU	Φ16~80	
Seal kits-ADN	Φ12~63		

Product	Model	Cylinder bore size	Temperature
 <p>Seal kits-DNC-Viton</p>	Seal kits-DNC-Viton	Φ32~125	-10~150℃
	Seal kits-DNG-Viton	Φ160~320	
	Seal kits-SI-Viton	Φ32~200	
	Seal kits-SC-Viton	Φ32~200	
	Seal kits-MA-Viton	Φ10~40	
	Seal kits-MAL-Viton	Φ16~40	
	Seal kits-SDA-Viton	Φ12~100	
Seal kits-ADVU-Viton	Φ16~80		

Assembly Kits for Pneumatic Cylinder

DNC Series Cylinder Kits

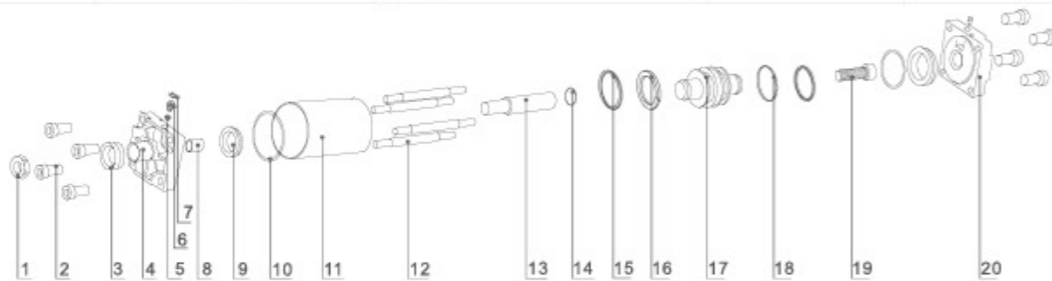
Product	Model/ Specification	Part name	Material	Part name	Material
 <p>DNC Kits (ISO15552) Bore size: Φ32,40, 50,63,80, 100,125</p>		Front cover	Aluminum alloy	Piston seal	NBR
		Back cover	Aluminum alloy	Wear ring	PA66
		Piston	Aluminum alloy	Self lubricating bearing	PTFE+Brass
		Piston rod(Without)	S45C hard chrome carbon steel	Magnet(optional)	RbFeb
		Barrel(Without)	Hard anodized aluminum	Cushion needle	Brass
		Front Cover seal	PU	Hexagon screw	Carbon steel
		Cushion seal	NBR	Nut	Carbon steel
		Piston rod O-ring	NBR	Profile bolt	Carbon steel
		Cover O-ring	NBR		



NO	Designation	NO	Designation	NO	Designation	NO	Designation	NO	Designation
1	Nut	5	O-ring	9	Cushion seal	13	Rod O-ring	17	Wear ring
2	Profile bolt	6	Adjustable screw	10	Cover O-ring	14	Piston seal	18	Hex Socket Screw
3	Front Cover seal	7	Block slip	11	Barrel(Without)	15	Magnet(optional)	19	Back cover
4	Front cover	8	Self Lubricating bearing	12	Piston rod(Without)	16	Piston		

DNG Series Cylinder Kits

Product	Model/ Specification	Part name	Material	Part name	Material
 <p>DNG Kits (ISO15552) Bore size: Φ160,200, 250,320</p>		Front cover	Aluminum alloy	Piston seal	NBR
		Back cover	Aluminum alloy	Wear ring	PA66
		Piston	Aluminum alloy	Self lubricating bearing	PTFE+Brass
		Piston rod(Without)	S45C hard chrome carbon steel	Magnet(optional)	RbFeb
		Barrel(Without)	Hard anodized aluminum	Cushion needle	Brass
		Front Cover seal	PU	Hexagon screw	Carbon steel
		Cushion seal	NBR	Nut	Carbon steel
		Piston rod O-ring	NBR	Profile bolt	Carbon steel
		Cover O-ring	NBR		

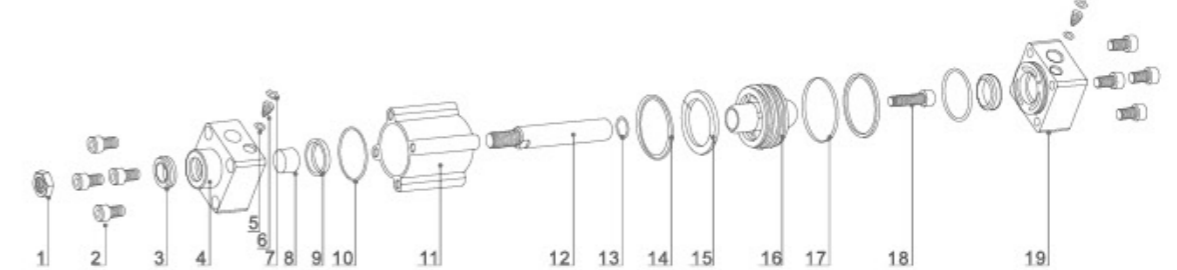


NO	Designation	NO	Designation	NO	Designation	NO	Designation	NO	Designation
1	Nut	5	O-ring	9	Cushion seal	13	Tierod(Without)	17	Piston
2	Profile bolt	6	Adjustable screw	10	Cover O-ring	14	Rod O-ring	18	Wear ring
3	Front Cover seal	7	Block slip	11	Barrel(Without)	15	Piston seal	19	Hex Socket Screw
4	Front cover	8	Self Lubricating bearing	12	Piston rod(Without)	16	Magnet(optional)	20	Back cover

Assembly Kits for Pneumatic Cylinder

SI Series Cylinder Kits

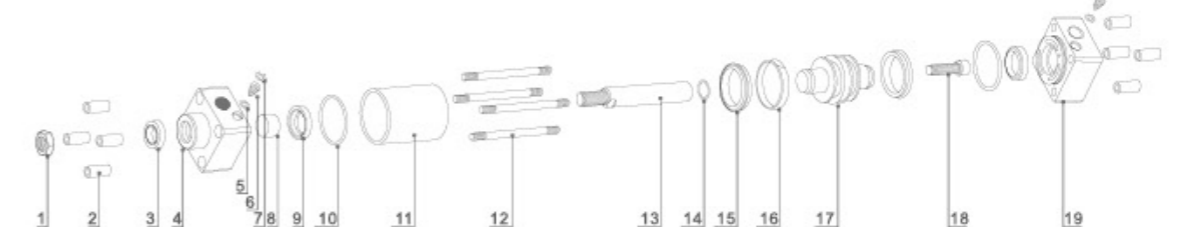
Product	Model/ Specification	Part name	Material	Part name	Material
 <p>SI Kits (ISO6431) Bore size: Φ32,40,50, 63,80,100,125, 160,200</p>		Front cover	Aluminum alloy	Piston seal	NBR
		Back cover	Aluminum alloy	Wear ring	PA66
		Piston	Aluminum alloy	Self lubricating bearing	PTFE+Brass
		Piston rod(Without)	S45C hard chrome carbon steel	Magnet(optional)	RbFeb
		Barrel(Without)	Hard anodized aluminum	Cushion needle	Brass
		Front Cover seal	NBR	Hexagon screw	Carbon steel
		Cushion seal	NBR	Nut	Carbon steel
		Piston rod O-ring	NBR	Profile bolt	Carbon steel
		Cover O-ring	NBR		



NO	Designation	NO	Designation	NO	Designation	NO	Designation	NO	Designation
1	Nut	5	O-ring	9	Cushion seal	13	Rod O-ring	17	Wear ring
2	Profile bolt	6	Adjustable screw	10	Cover O-ring	14	Piston seal	18	Hex Socket Screw
3	Front Cover seal	7	Block slip	11	Barrel(Without)	15	Magnet(optional)	19	Back cover
4	Front cover	8	Self Lubricating bearing	12	Piston rod(Without)	16	Piston		

SC Series Cylinder Kits

Product	Model/ Specification	Part name	Material	Part name	Material
 <p>SC Kits Bore size: Φ32,40,50, 63,80,100,125, 160,200,</p>		Front cover	Aluminum alloy	Piston seal	NBR
		Back cover	Aluminum alloy	Wear ring	PA66
		Piston	Aluminum alloy	Self lubricating bearing	PTFE+Brass
		Piston rod(Without)	S45C hard chrome carbon steel	Magnet(optional)	RbFeb
		Barrel(Without)	Hard anodized aluminum	Cushion needle	Brass
		Front Cover seal	NBR	Hexagon screw	Carbon steel
		Cushion seal	NBR	Nut	Carbon steel
		Piston rod O-ring	NBR	Tie-rod nut	Carbon steel
		Cover O-ring	NBR		

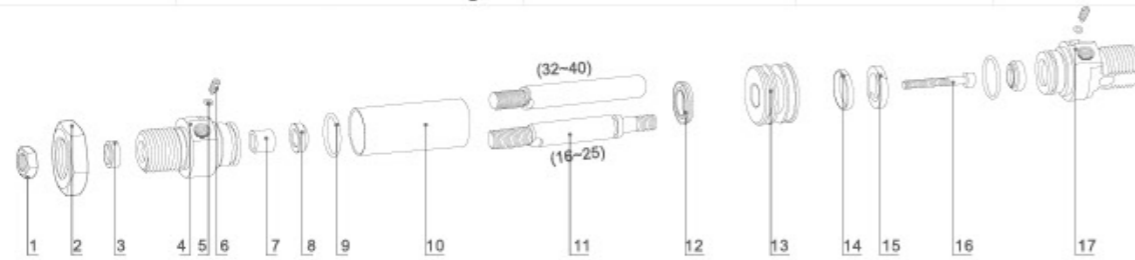


NO	Designation	NO	Designation	NO	Designation	NO	Designation	NO	Designation
1	Nut	5	O-ring	9	Cushion seal	13	Piston rod(Without)	17	Piston
2	Tie-rod nut	6	Adjustable screw	10	Cover O-ring	14	Rod O-ring	18	Hex Socket Screw
3	Front Cover seal	7	Block slip	11	Barrel(Without)	15	Piston seal	19	Back cover
4	Front cover	8	Self Lubricating bearing	12	Tie rod(Without)	16	Wear ring		

Assembly Kits for Pneumatic Cylinder

MA/MA6432 Series Cylinder Kits

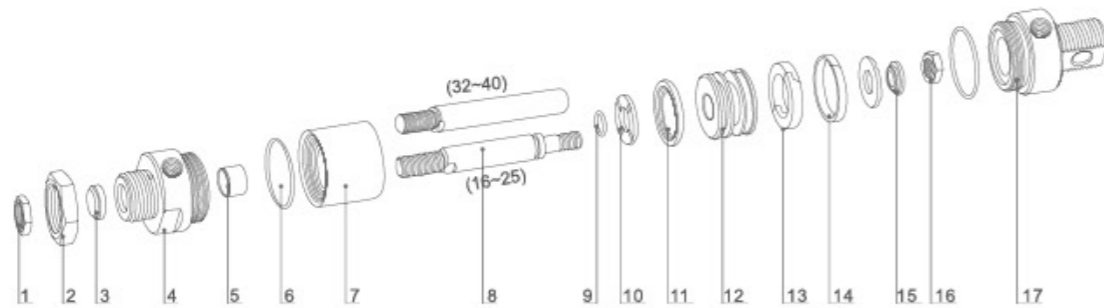
Product	Model/ Specification	Part name	Material	Part name	Material
 <p>MA Kits Bore size: Φ16,20,25,32,40</p> <p>MA6432 Kits (ISO6432) Bore size: Φ8,10,12, 16,20,25, 32,40,50,63</p>		Front cover	Aluminum alloy	Piston seal	NBR
		Back cover	Aluminum alloy	Wear ring	PA66
		Piston	Aluminum alloy	Self lubricating bearing	PTFE+Brass
		Piston rod(Without)	S45C hard chrome carbon steel	Magnet(optional)	RbFeb
		Barrel(Without)	Stainless Steel	Cushion needle	Brass
		Front Cover seal	NBR	Hexagon screw	Carbon steel
		Cushion seal	NBR	Nut	Carbon steel
		Piston rod O-ring	NBR		
		Cover O-ring	NBR		



NO	Designation	NO	Designation	NO	Designation	NO	Designation	NO	Designation
1	Rod nut	5	O-ring	9	Cover O-ring	13	Piston	17	Back cover
2	Cover Nut	6	Adjustable screw	10	Barrel(Without)	14	Wear ring		
3	Front Cover seal	7	Self Lubricating bearing	11	Piston rod(Without)	15	Magnet(optional)		
4	Front cover	8	Cushion ring	12	Piston seal	16	Hexagon Screw		

MAL Series Cylinder Kits

Product	Model/ Specification	Part name	Material	Part name	Material
 <p>MAL Kits Bore size: Φ16,20, 25,32,40</p>		Front cover	Aluminum alloy	Piston seal	NBR
		Back cover	Aluminum alloy	Wear ring	PA66
		Piston	Aluminum alloy	Self lubricating bearing	PTFE+Brass
		Piston rod(Without)	S45C hard chrome carbon steel	Magnet(optional)	RbFeb
		Barrel(Without)	Hard anodized aluminum	Cushion needle	Brass
		Anti-bump cushion	NBR	Hexagon screw	Carbon steel
		Front Cover seal	NBR	Nut	Carbon steel
		Cover O-ring	NBR	Muffler	Cu

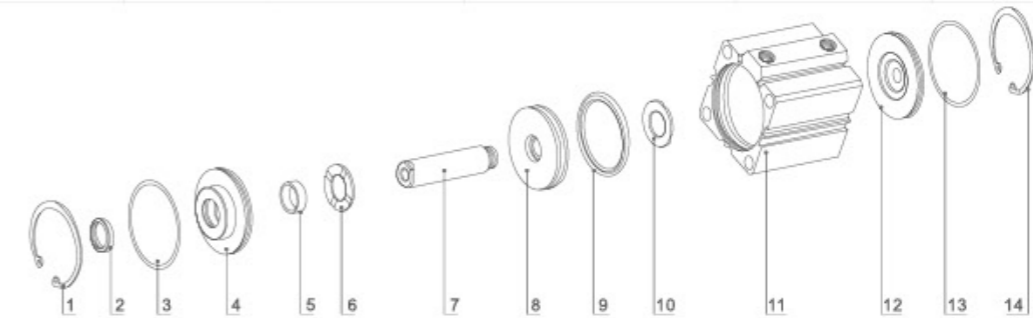


NO	Designation	NO	Designation	NO	Designation	NO	Designation	NO	Designation
1	Rod nut	5	Self Lubricating bearing	9	Rod O-ring	13	Magnet(optional)	17	Back cover
2	Cover Nut	6	Cover O-ring	10	Anti-bump cushion	14	Wear ring		
3	Front Cover seal	7	Barrel(Without)	11	Piston seal	15	Impact gasket		
4	Front cover	8	Piston rod(Without)	12	Piston	16	Nut		

Assembly Kits for Pneumatic Cylinder

SDA Series Cylinder Kits

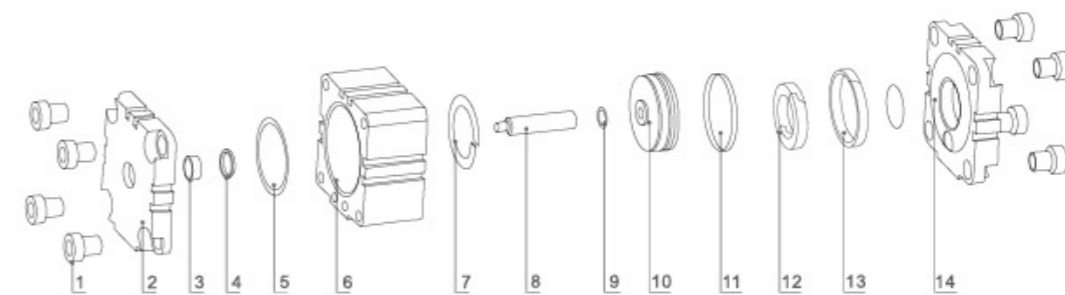
Product	Model/ Specification	Part name	Material	Part name	Material
 <p>SDA Kits Bore size: Φ12,16,20, 25,32,40, 50,63,80,100</p>		Front cover	Aluminum alloy	Piston seal	NBR
		Back cover	Aluminum alloy	Self lubricating bearing	PTFE+Brass
		Piston	Aluminum alloy	Magnet(optional)	RbFeb
		Piston rod(Without)	S45C hard chrome carbon steel	C type buckle	Steel
		Barrel(Without)	Hard anodized aluminum	Nut	Carbon steel
		Anti-bump cushion	NBR	Muffler	Cu
		Cover O-ring	NBR		



NO	Designation	NO	Designation	NO	Designation	NO	Designation	NO	Designation
1	C type buckle	4	Front cover	7	Piston rod(Without)	10	Anti-bump cushion	13	Cover O-ring
2	Front cover seal	5	Self Lubricating bearing	8	Piston	11	Barrel(Without)	14	C type buckle
3	Cover O-ring	6	Anti-bump cushion	9	Piston Seal	12	Back cover		




ADVU Series Cylinder Kits

Product	Model/ Specification	Part name	Material	Part name	Material
 <p>ADVU Kits (ISO6431) Bore size: Φ16,20, 25,32,40,50, 63,80</p>		Front cover	Aluminum alloy	Cover O-ring	NBR
		Back cover	Aluminum alloy	Piston seal	NBR
		Piston	Aluminum alloy	Wear ring	PA66
		Piston rod(Without)	S45C hard chrome carbon steel	Self lubricating bearing	PTFE+Brass
		Barrel(Without)	Hard anodized aluminum	Magnet(optional)	RbFeb
		Front Cover seal	NBR	Nut	Carbon steel
		Cushion seal	NBR	Profile bolt	Carbon steel
		Piston rod O-ring	NBR		



NO	Designation	NO	Designation	NO	Designation	NO	Designation	NO	Designation
1	Profile bolt	5	Front Cover seal	9	Rod O-ring	13	Wear ring		
2	Front cover	6	Barrel(Without)	10	Piston	14	Back cover		
3	Self Lubricating bearing	7	Backup ring	11	Piston seal				
4	Cushion seal	8	Piston rod(Without)	12	Magnet(optional)				

Assembly Kits for Pneumatic Cylinder







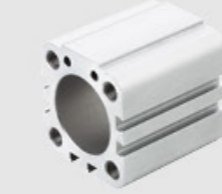



Product	Model/Specification	Product	Model/Specification
	MB Kits (Japan Standard) Bore size: Φ32,40,50,63,80,100		ADN Kits (ISO 21287) Bore size: Φ12,16,20,25,32,40,50,63
	CQ2 Kits (Japan Standard) Bore size: Φ12,16,20,25,32,40,50,63,80,100		XENG Kits (ISO 15552) Bore size: Φ32,40,50,63,80,100
	XEN Kits (ISO 6432) Bore size: Φ8,10,12,16,20,25		

■ Apart from the regular pneumatic cylinder assembly kits, our company also can supply other type cylinder assembly kits.

Our company have R&D department, can research develop and produce all kinds of cylinders with advanced technology and sufficient professional experience. We have develop some inch size assembly kits, for example 6", 8" etc and other Size.

If you have new requirement and new products need to design and develop, please don't hesitate to contact us, we will try our best to help you.

Tube and Piston Rod for Pneumatic Cylinder

Product	Model/Specification	Product	Model/Specification
	DNC Square Aluminum Tube Bore size: Φ32,40,50,63,80,100,125		DNT Mickey Mouse With Groove Aluminum Tube Bore size: Φ32,40,50,63,80,100
	SI Mickey Mouse Aluminum Tube Bore size: Φ32,40,50,63,80,100,125,160,200		ADN Aluminum Tube Bore size: Φ12,16,20,25,32,40,50,63
	DNG, SC, MAL Round Aluminum Tube Bore size: Φ16,20,25,32,40,50,63,80,100,125,160,200,250,320		SDA Aluminum Tube Bore size: Φ12,16,20,25,32,40,50,63,80,100 Note: Normally we provide SDA un-oxidized aluminum tube, if you need that with oxide, pls be specified, because price is different.
	ADV Aluminum Tube Bore size: Φ20,25,32,40,50,63,80		CQ2 Aluminum Tube Bore size: Φ12,16,20,25,32,40,50,63,80,100 Note: Normally we provide CQ2 un-oxidized aluminum tube, if you need that with oxide, pls be specified, because price is different.
	MA, MA6432 Stainless Steel Tube (High precision) Bore size: Φ8,10,12,16,20,25,32,40,50,63		Piston rod (45# Steel Chrome-plated) Bore size: Φ6,8,10,12,16,20,25,32,40,45,50,60,70, etc. Note: XCPC can provide different material and diameters piston rods including stainless steel.

■ In addition to the above general sales of pneumatic cylinder aluminum tubes, our company also have some other types of aluminum tubes.

If you find the complete cylinder on the catalogue, and only need aluminum tubes, please do not hesitate to contact us, we will try our best to help you.

XC-03 Series Magnetism Switch



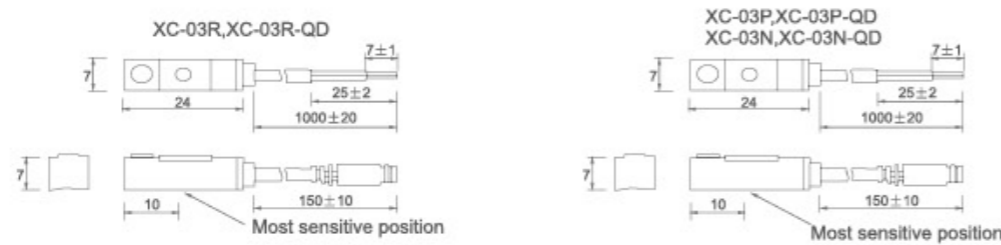
Features and Applications

1. Compact design
2. LSU type LED light
3. Anti-vibration application
4. Simple installation
5. BK series metal band together
6. Suitable for many kinds of air cylinder.

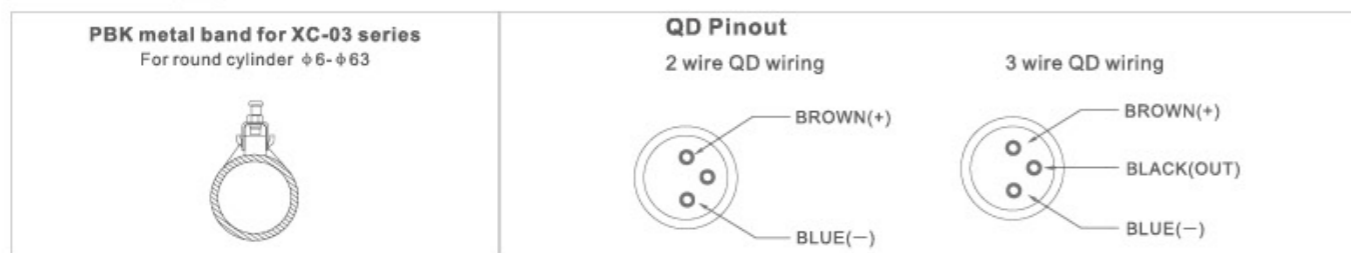
Specification

Model	XC-03R	XC-03N	XC-03P
Connect Diagram			
Parameter			
Wiring method	2-Wire Type	3-Wire Type	
Switching logic	SPST Normally Open	Solid State Output, Normally Open	
Sensor type	Reed switch	NPN Input	PNP Output
Operating voltage	5-240V DC/AC	5-30V DC	
Max. switching current	100mA max.	200mA max.	
Contact rating	10W max.	6W max.	
Current consumption	None	20mA max @ 24V(Switch Active)	
Voltage drop	3.0V max.	0.5V max @ 200mA	
Leakage current	None	0.01mA max.	
Indicator	Red LED	Red LED	Green LED
Max. exchange frequency	200Hz	1000Hz	
Temperature range		-10~70°C	
Shock	30G	50G	
Vibration		9G	
Enclosure classification		IEC 529 IP67(NEMA 6)	
Protection circuit	None	With protection	
Cable	Φ2.8,2C PVC Gray color,oil resistance PVC	Φ2.8,2C PVC Black color,oil resistance PVC	

Overall Dimensions



Joint Pipe Bore



XC-21R Series Magnetism Switch



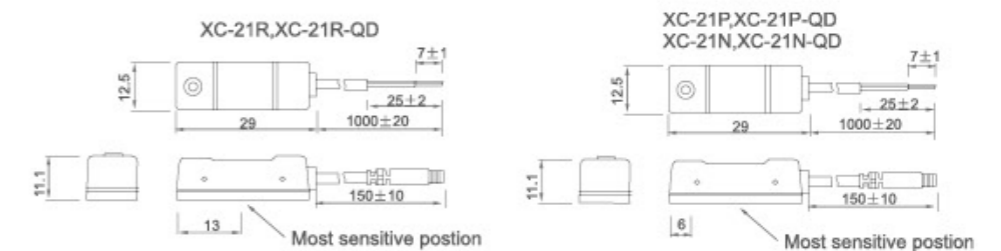
Features and Applications

1. Compact design
2. LED light
3. Anti-vibration application
4. PI, PM series clamp together
5. Simple installation
6. Suitable for all kinds of standard tie-rod and mickey-mouse barrel cylinder.

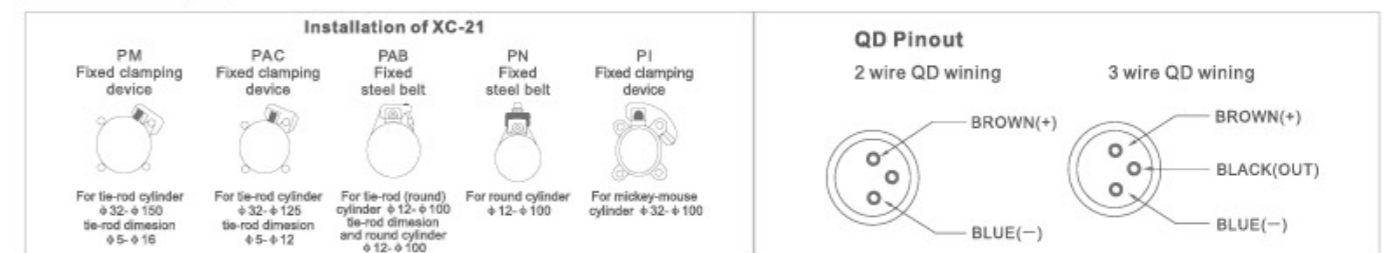
Specification

Model	XC-21R	XC-21N	XC-21P
Connect Diagram			
Parameter			
Wiring method	2-Wire Type	3-Wire Type	
Switching logic	SPST Normally Open	Solid State Output, Normally Open	
Sensor type	Reed switch	NPN Input	PNP Output
Operating voltage	5-240V DC/AC	5-30V DC	
Max. switching current	100mA max.	200mA max.	
Contact rating	10W max.	6W max.	
Current consumption	None	20mA max @ 24V(Switch Active)	
Voltage drop	3.5V max.	0.5V max	
Leakage current	None	0.01mA max.	
Indicator	Red LED	Red LED	Green LED
Max. exchange frequency	200Hz	1000Hz	
Temperature range		-10~70°C	
Shock	30G	50G	
Vibration		9G	
Enclosure classification		IEC 529 IP67(NEMA 6)	
Protection circuit	None	With protection	
Cable	Φ4.0,2C PVC Gray color,oil resistance PVC	Φ4.0,2C PVC Black color,oil resistance PVC	

Overall Dimensions



Joint Pipe Bore



XC-31R Series Magnetism Switch



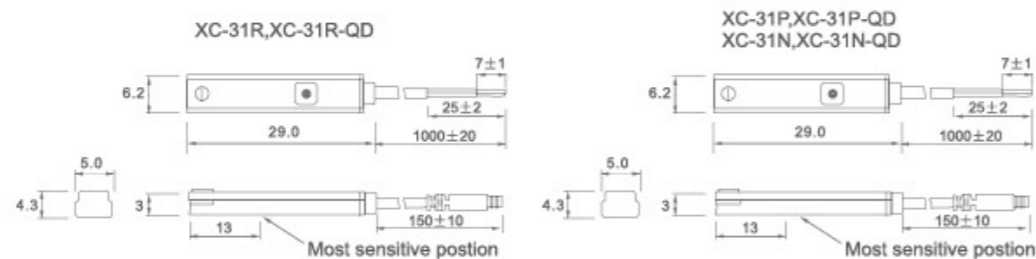
Features and Applications

- 1.Compact design
- 2.LED light
- 3.Anti-vibration application
- 4.For groove and bandage fixing type
- 5.Simple installation
- 6.Suitable for all kinds of groove type and mini type cylinder.

Specification

Model	XC-31R	XC-31N	XC-31P
Connect Diagram			
Parameter	2-Wire Type		3-Wire Type
Wiring method	2-Wire Type		3-Wire Type
Switching logic	SPST Normally Open		Solid State Output, Normally Open
Sensor type	Reed switch		NPN Input / PNP Output
Operating voltage	5-240V DC/AC		5-30V DC
Max. switching current	100mA max.		100mA max.
Contact rating	10W max.		3W max.
Current consumption	None		17mA max @ 24V(Switch Active) / 14mA max @ 24V(Switch Active)
Voltage drop	2.5V max. @ 100mA		0.5V max @ 200mA
Leakage current	None		0.01mA max.
Indicator	Red LED		Red LED / Green LED
Max. exchange frequency	200Hz		1000Hz
Temperature range			-10~70°C
Shock	30G		50G
Vibration			9G
Enclosure classification			IEC 529 IP67(NEMA 6)
Protection circuit	None		With protection
Cable	Φ3.0,2C PVC Gray color,oil resistance PVC		Φ3.0,2C PVC Black color,oil resistance PVC

Overall Dimensions



Joint Pipe Bore



XC-11R Series Magnetism Switch



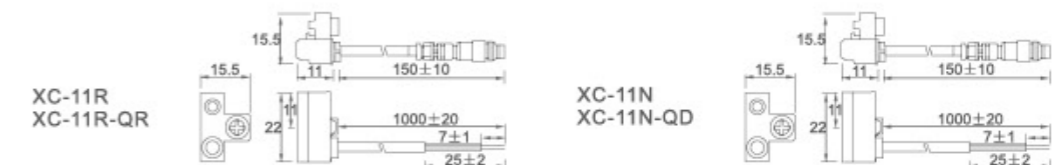
Features and Applications

- 1.Compact design
- 2.LED light
- 3.Anti-vibration application
- 4.PI,PM series clamp together
- 5.Simple installation
- 6.Suitable for all kinds of standard tie-rod and mickey-mouse barrel cylinder.

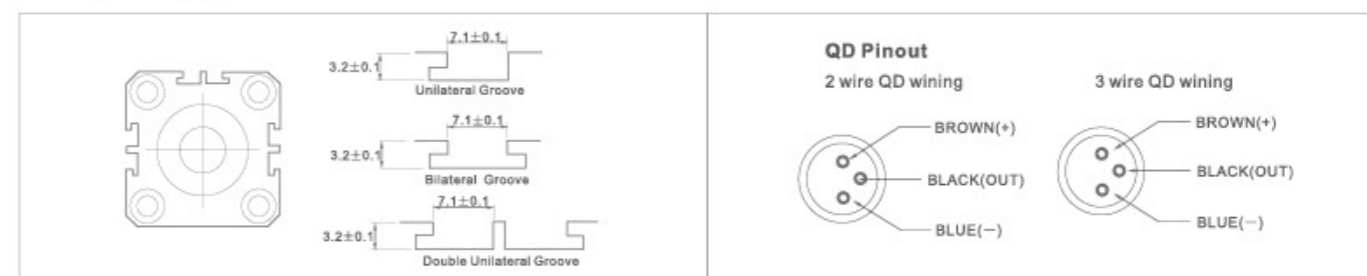
Specification

Model	XC-11R	XC-11RB	XC-11N	XC-11P
250 320 Connect Diagram				
Parameter	SPST Normally Open		SPST Normally Closed	Solid State Output, Normally Open
Switching logic	SPST Normally Open		SPST Normally Closed	Solid State Output, Normally Open
Sensor type	Reed switch		NPN Input	PNP Output
Operating voltage	5-240V DC/AC		5-30V DC	
Max. switching current	100mA max.		200mA max.	
Contact rating	10W max.		6W max.	
Current consumption	None		20mA max @ 24V(Switch Active)	
Voltage drop	2.5V max. @ 100mA		0.5V max @ 200mA	
Leakage current	None		0.01mA max.	
Indicator	Red LED		Red LED	Green LED
Cabel	Φ3.2,2C PVC Gray color,oil resistance PVC		Φ3.2,3C PVC Black color,oil resistance PVC	
Sensitivity			40Gauss	
Max. switch frequency	200Hz		1000Hz	
Temperature range			-10~70°C	
Shock	30G		50G	
Vibration			9G	
Enclosure classification			IEC 529 IP67(NEMA 6)	
Protection circuit	None		With protection	

Overall Dimensions





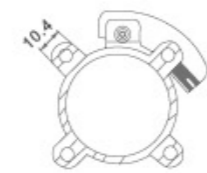
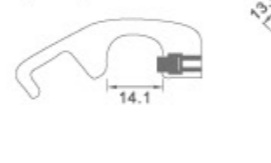


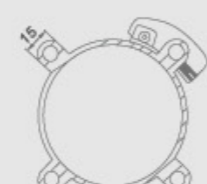
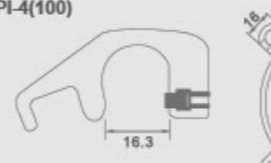


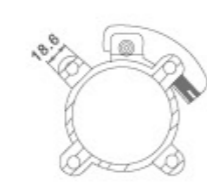
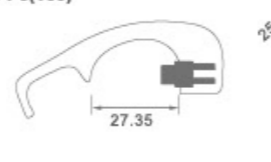


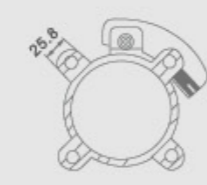
Joint Pipe Bore



PI / PAC Series Bracket


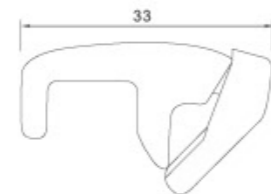
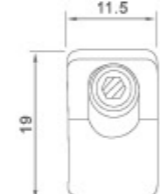

PI Series Bracket

Bracket is designed for mounting XC-21 series sensor on ISO profile cylinder.(mickey mouse Type)

Product	Dimension/Installation	
	 11.5  10.4	
	 14.45  15	
	 19.38  19.6	
	 28.66  25.8	

PAC Series Bracket












Bracket is designed for mounting XC-21 series on tie-rod cylinder.

Product	Dimension/Installation	
	 33  11.5  19 Diameter of tie-rod	
Using for tie-rod cylinder Φ32-Φ100,hydraulic cylinder(tie-rod bore Φ4-Φ10)		

PM / SU Series Bracket


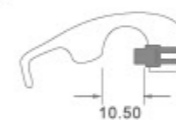
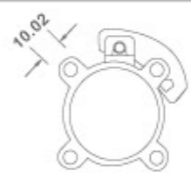
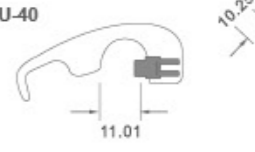


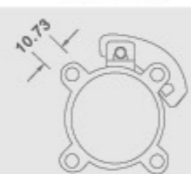
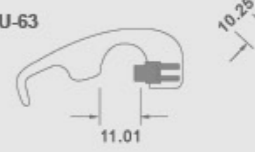






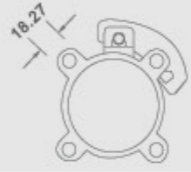
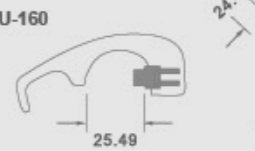

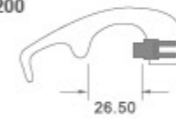
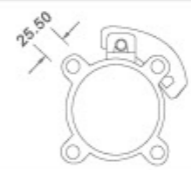
PM Series Bracket

Bracket is designed for mounting XC-21 series on tie-rod cylinder.

Product	Dimension/Installation	
	  Dia.of Tie rod: Φ 5~Φ 6	
	  Dia.of Tie rod :Φ 10	
	  Dia.of Tie rod :Φ 16	

SU Series Bracket

Bracket is designed for mounting XC-21R sensor on mickey mouse Type cylinder (SUType).

Product	Dimension/Installation	
	 10.50  10.02	
	 11.43  10.73	
	 17.89  16.22	
	 19.10  18.27	
	 26.50  25.50	

HAC Series Shock Absorbers



HAC2020-2

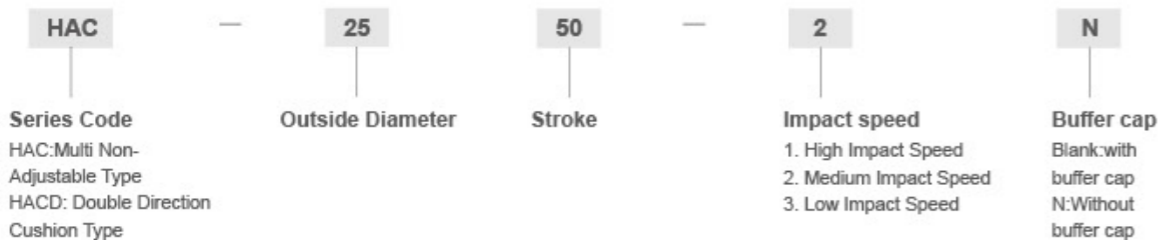


HAC2525-2



HACD2035

Ordering Code



Specification

Model	Stroke	Max.Absorbing Energy (NM)	Max.Absorb. Energy/Hour (NM)	Max.Effective Mass(kg)			Max.Impact Speed (m/s)		
				1	2	3	1	2	3
HAC-0806	6	2	7200	0.5	2	6	2	1	0.5
HAC-1005	5	3	10800	1	3	7	3	1.5	0.8
HAC-1008	8	4	14400	2	4	9	3	1.5	0.8
HAC-1210	10	5	18000	5	10	30	2	1.5	0.8
HAC-1412	12	15	36000	8	50	100	3	1.5	0.8
HAC-1416	16	20	40000	10	70	150	3	1.5	0.8
HAC-1425	25	25	48000	12	80	160	3	1.5	0.8
HAC-2020	20	40	48000	30	200	700	3.5	2	1
HAC-2030	30	50	54000	30	200	700	3.5	2	1
HAC-2050	50	60	66000	60	400	1200	3.5	2	1
HAC-2525	25	80	60000	200	600	1200	4	2.5	1
HAC-2540	40	120	84000	300	800	2000	4	2.5	1
HAC-2550	50	98	98000	15	40	160	4	2.5	1
HAC-2580	80	150	127500	20	50	200	4	2.5	1
HAC-3660	60	250	125000	400	1500	2400	4	2.5	1
HACD-2030	30	45	54000	40	300	900	3.5	2	1
HACD-2050	35	52	64400	40	200	650	3.5	2	1

Working Temperature: -10~85°C

HAD Series Shock Absorber



HAD2025



HAD2540

Ordering Code



Specification

Model	Stroke	Max.Absorbing Energy (NM)	Max.Absorb. Energy/Hour (NM)	Max Effective Mass(kg)	Max Impact speed(m/s)
HAD-1410	10	20	24000	80	3.2
HAD-2016N/2016	16	25	32000	200	3.6
HAD2050-N/2050	25	39	39000	312	3.6
HAD2525-N/2525	25	85	51000	400	3.6
HAD2540	40	100	84000	700	3.6
HAD2550	50	98	98000	720	4.2
HAD3625	25	150	9000	1400	3.2
HAD3650	50	300	108000	1400	4.8
HAD4225	25	260	130000	3000	3.6
HAD4250	50	500	155000	4000	4.8
HAD4275	75	750	187500	6000	4.8
HAD64050	50	12000	1560000	12727	1.6
HAD64100	100	24000	1920000	18181	1.6
HAD64150	150	36000	2520000	23636	1.6

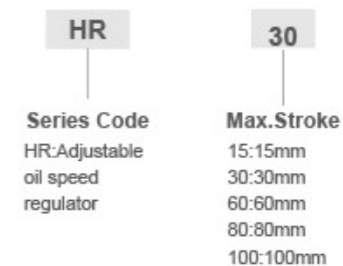
Working Temperature: -10~+85°C

HR Series Speed Regulator



HR30

Ordering Code



Model	A	B	Max.stroke(mm)	Maximum load(kgf)
HR15	157	142	15	350
HR30	208	178	30	350
HR60	286	225	60	350
HR80	342	262	80	350
HR100	396	296	100	350

Working Temperature: -10~+85°C

XRB Series Servo Electric Cylinder



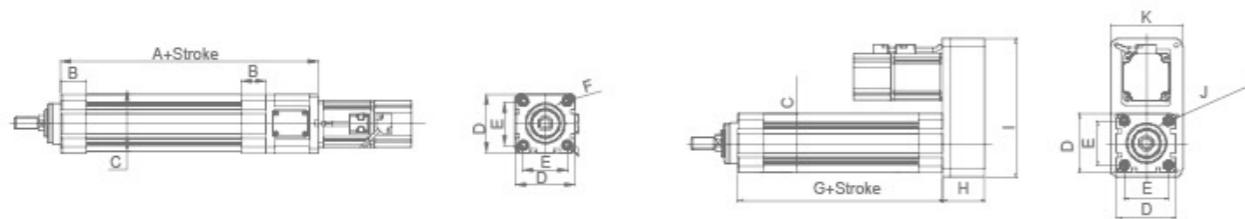
Ordering Code

XR	B	50	L1	S100		XRW	XRZX	P100W	B
Series Code	Bore	Lead	Stroke	Installation	Front Connector	Input	Servo Motor Type	Brake	
	32mm 50mm 63mm 80mm 100mm 120mm		50~500mm	XRQD:Front Flange	XRW: External Thread XRN: Internal Thread XRCX: Fork Pin End XRQT: Hinged Ball Head	XRZX:Linear Mounting Flange P10: Parallel Mounting 1:1 P20: Parallel Mounting 2:1	M: Mitsubishi YF: Yaskawa P: Panaspnic F: Fuji T: Delta		

Specification

Model	XR32	XR50	XR63	XR80	XR100	XR120
Screw Diameter (mm)	Φ8	Φ16	Φ20	Φ25	Φ32	Φ40
Screw Lead (mm)	1	2	5	10	20	5
Rated Dynamic Load (Kgf)	160	85	1112	839	554	1484
Maximum Input Speed (r/min)	3000					
Maximum Operating Speed (r/min)	50	100	250	500	1000	250
Adapted Motor power (W)	100	400	400/750	750/1000	1000/1500	1000/1500
Maximum Output (Kgf)	20	100	300	800	3000	5000
Repeated Precision (mm)	±0.02					
Stroke Range (mm)	50~300 (Special stroke can be customized)	50~600 (Special stroke can be customized)	50~500 (Special stroke can be customized)			

Overall Dimensions



Dimension Sheet

Bore(mm)	A	B	C	D	E	F	G	H	I	J	K
32	153.5	-	47	47	32.5	4-M6	100.5	38	109.5	4-M6	-
50	218	30	63	64	46.5	4-M8 Dep18	158	40	143.5	4-M8 Dep18	82
63	231	32	74	76	56.57	4-M8 Dep18	163	54	178	4-M8 Dep18	92
80	284	33	92	93	72	4-M8 Dep18	197	93	213.4	4-M8 Dep18	112
100	332	37	109	110	89	4-M10 Dep18	214	85	326.5	4-M10 Dep18	-
120	381	-	140	140	110	4-M14	237	75	330	4-M14	-

X Series Ball-Screw Type Electric Cylinder



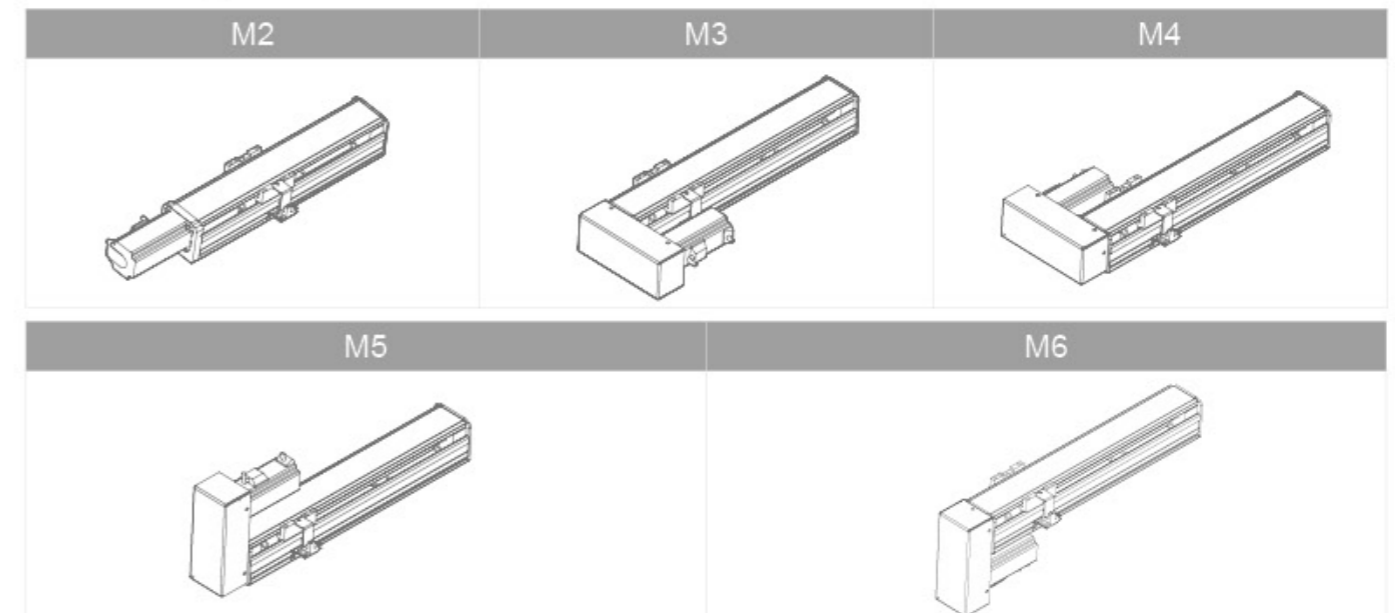
Ordering Code

X50D	L10	S800	M2	M	100W	B
Model	Lead	Stroke	Motor Direction	Motor Brand	Motor Output	Brake
X50D X80D X100S X100D X136D X168D X202D		100~1450mm	M1: Motor inside position (Available for 100,168,202) M2: Motor outside position M3: Motor outside, rightward position M4: Motor outside, leftward position M5: Motor outside, upper position M6: Motor outside, lower position	H: Hiwin S: Sanyo M: Mitsubishi Y: Yaskawa P: Panasonic F: Fuji B: Belta	100~750W	

Specification

Model	X50D	X80D	X100S/X100D	X136D	X168D	X202D
AC Servo motor output (W)	100W	400W	200W	400W	750W	
Repeatability (mm)	±0.02					
B.S (Φ)	12	12	16	16	16	16
Lead (mm)	5	10	5	10	16	20
Maximum speed (mm/sec)	250	500	250	500	800	1000
Maximum payload (kg)	9	5.5	35	25	15	10
Rated thrust (N)	70	35	300	150	85	75
Stroke (mm)	100~800: 50(Interval)	100~1050: 50(Interval)				100~1450: 50(Interval)

Motor Direction



XC Series Ball-Screw Type Electric Cylinder(Clean Room)



Ordering Code

XC50D — L10 — S800 — M2 — M — 100W — B

Model
XC50D
XC60D
XC100D
XC136D
XC168D

Lead

Stroke
100~1250mm

Motor Direction
M1: Motor inside position (Available for 136)
M2: Motor outside position
M3: Motor outside, rightward position
M4: Motor outside, leftward position
M5: Motor outside, upper position
M6: Motor outside, lower position

Motor Brand
H: Hiwin
S: Sanyo
M: Mitsubishi
Y: Yaskawa
P: Panasonic
F: Fuji
D: Delta

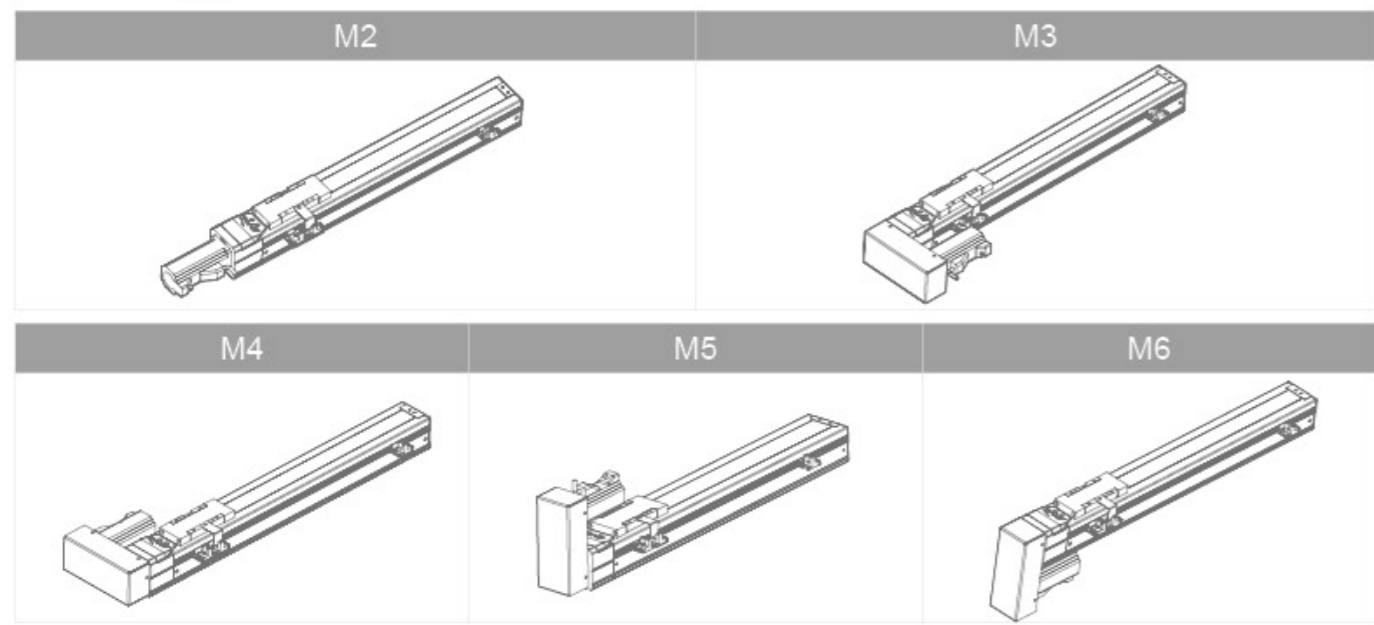
Motor Output
100W~400W

Brake

Specification

Model	XC50D	XC60D	XC100D	XC136D	XC168D
AC Servo motor output (W)	100W			200W	400W
Repeatability (mm)	±0.02				
B.S (Φ)	12	12	12	12	16
Lead (mm)	5	10	5	10	16
Maximum speed (mm/sec)	250	500	250	500	800
Maximum payload (kg)	Level use (H)	9	5.5	30	15
	Vertical use (V)	2.5	1.2	9	5
Rated thrust (N)	70	35	250	130	300
Stroke (mm)	100~800: 50(Interval)		100~1050: 50(Interval)		100~1250: 50(Interval)

Motor Direction



XB Series Belt Type Electric Cylinder(General)



Ordering Code

XB50D — L35 — S500 — B1 — M — 100W — B

Model
XB50D
XB80D
XB100S
XB100D
XB136D
XB168D
XB202D

Equivalent to Lead

Stroke
100~3050mm

Motor Direction
B1: Motor leftward, upper position
B2: Motor rightward, upper position
B3: Motor leftward, horizontal position
B4: Motor rightward, horizontal position
B5: Motor leftward, lower position
B6: Motor rightward, lower position

Motor Brand
H: Hiwin
S: Sanyo
M: Mitsubishi
Y: Yaskawa
P: Panasonic
F: Fuji
B: Beita

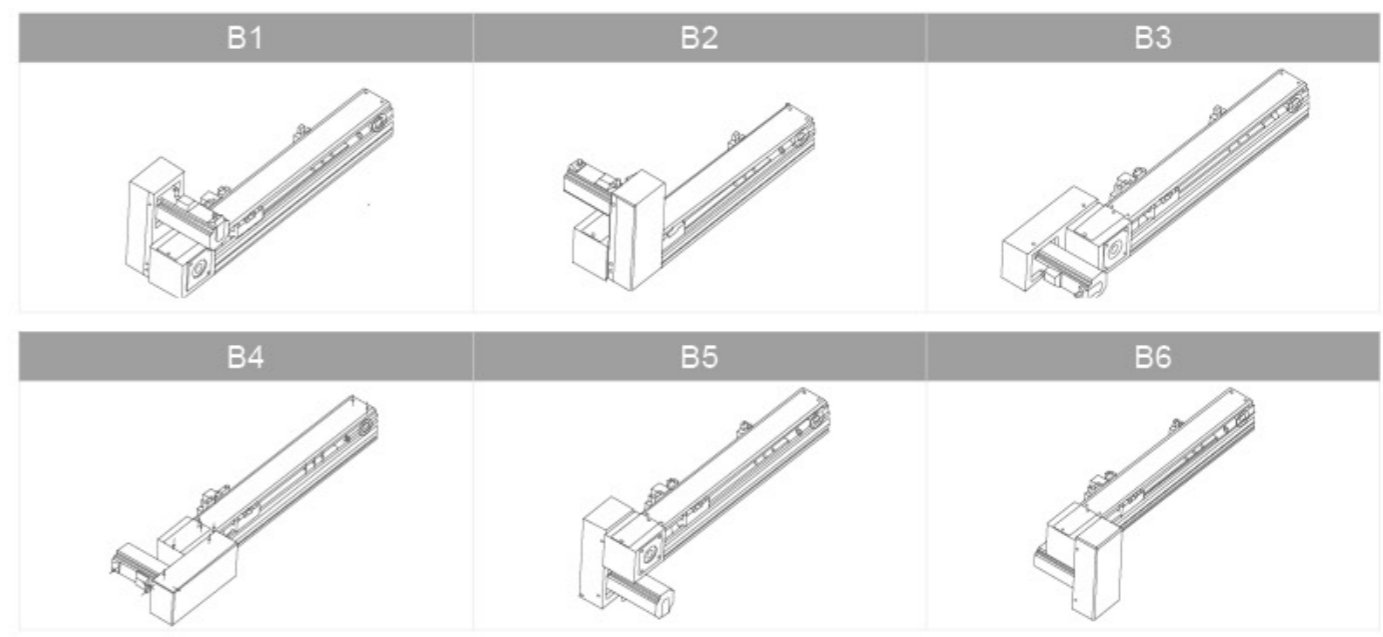
Motor Output
100~400W

Brake

Specification

Model	XB50D	XB80D	XB100S	XB100D	XB136D	XB168D	XB202D
AC Servo motor output (W)	100W	100W	200W	100W	200W	200W	400W
Repeatability (mm)	±0.04						
Equivalent to lead	35	28	35	28	40	76	
Maximum speed (mm/sec)	1718	1400	1600	1400	32	45	
Maximum payload (kg)	8	20	28	10	15	20	25
Stroke (mm)	100~800: 50(Interval)	100~1500: 50(Interval)	150~1850: 50(Interval)		150~3050: 100(Interval)		

Motor Direction



XCB Series Belt Type Electric Cylinder(Clean Room)



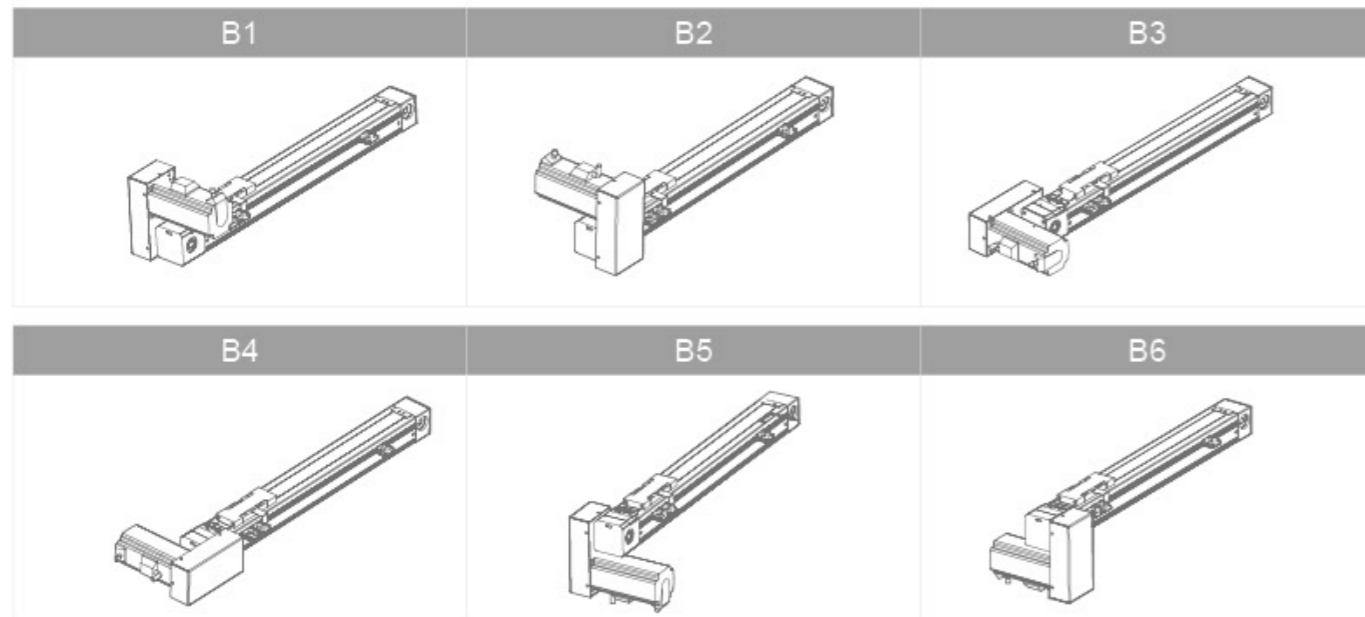
Ordering Code

XCB50D	L10	S800	B1	M	100W	B
Model	Equivalent to Lead	Stroke	Motor Direction	Motor Brand	Motor Output	Brake
XCB50D XCB60D XCB100D XCB136D XCB168D		100-3050mm	B1: Motor leftward, upper position B2: Motor rightward, upper position B3: Motor leftward, horizontal position B4: Motor rightward, horizontal position B5: Motor leftward, lower position B6: Motor rightward, lower position	H: Hiwin S: Sanyo M: Mitsubishi Y: Yaskawa P: Panasonic F: Fuji B: Belta	100-400W	

Specification

Model	XCB50D	XCB60D	XCB100D	XCB136D	XCB168D
AC Servo motor output (W)	100W	200W 400W	100W 200W	200W	400W
Repeatability (mm)	±0.04				
Equivalent to lead	34		40		
Maximum speed (mm/sec)	1718		2000		
Maximum payload (kg)	8	15 25	20 25	32	45
Stroke (mm)	100-800: 50(Interval)		150-1850: 100(Interval)		150-3050: 100(Interval)

Motor Direction



Pneumatic Actuator

According to ISO5211, VD/VDE3845 and NAMUR international standard, XCPC provide the qualified pneumatic actuator which is compact, modernized design for your selection. Single acting and double acting as optional, size from 32mm to 270mm, and meet the different requirement of application to satisfy our customers.



XAT Series Pneumatic Actuator



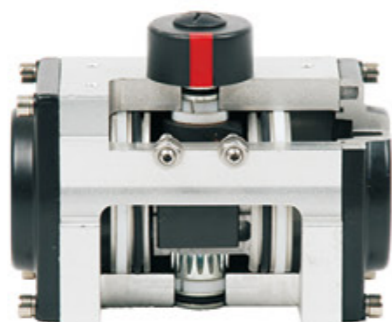
Ordering Code



Designing Features

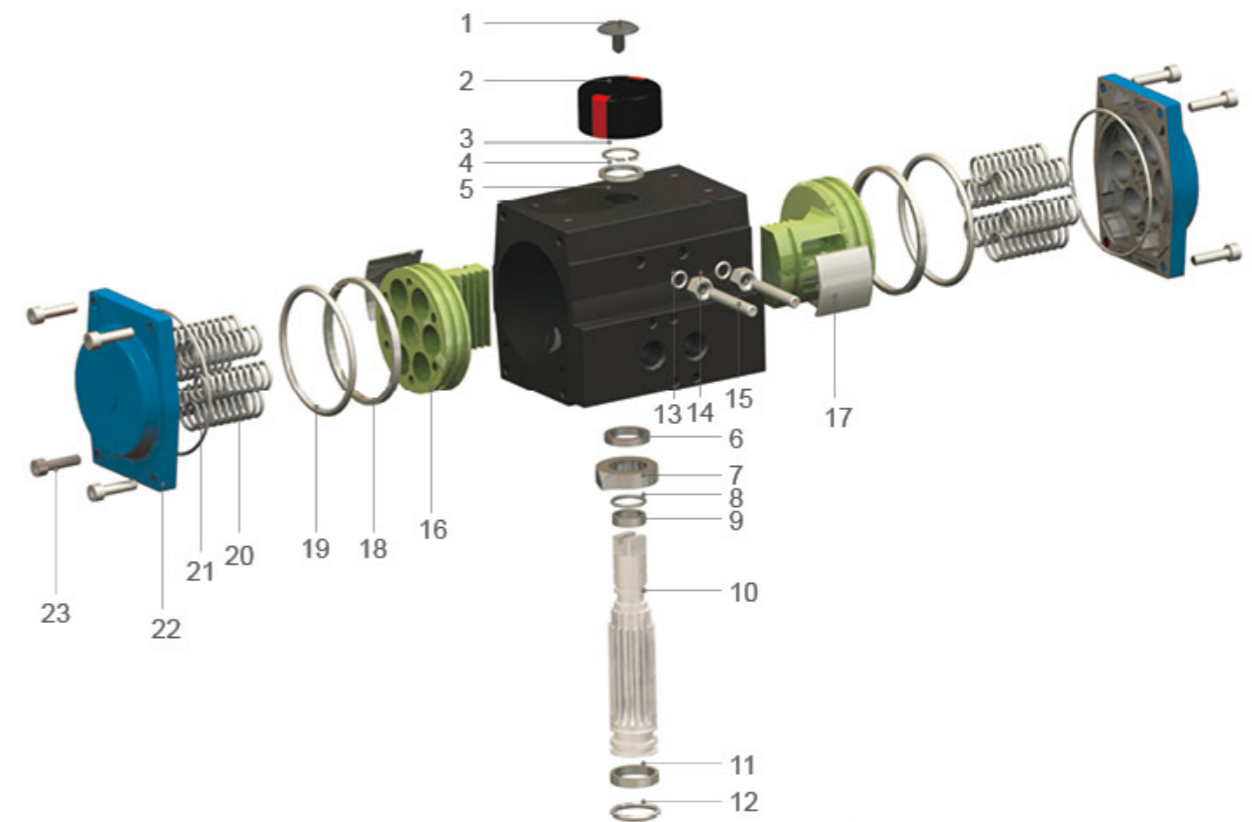
Designing Features (of XCPC 10 Series Pneumatic Actuator)

- Extruded aluminum ASTM6005 body with both internal and external corrosion protection having honed cylinder surface for longer life and low coefficient of friction.
- Dual piston rack and pinion design for compact construction, symmetric mounting position, high-cycle life and fast operation, reverse rotation can be accomplished in the field by simply inverting the pistons.
- Multiple bearings and guides on racks and pistons, low friction, high cycle life and prevent shaft blowout.
- Modular preloaded spring cartridge design, with coated spring for simple versatile range, greater safety and corrosion resistance, longer cycle life.
- Fully machined teeth on piston and pinion for accurate low backlash rack and pinion engagement, maximum efficiency.
- Carbon steel with nickel plated or stainless steel fasteners for long term corrosion resistance.
- Full conformance to the latest specifications: ISO5211, DIN 3337 and Namur or product interchangeability and easy mounting of solenoids, limit switches and other accessories.



XAT Series Pneumatic Actuator

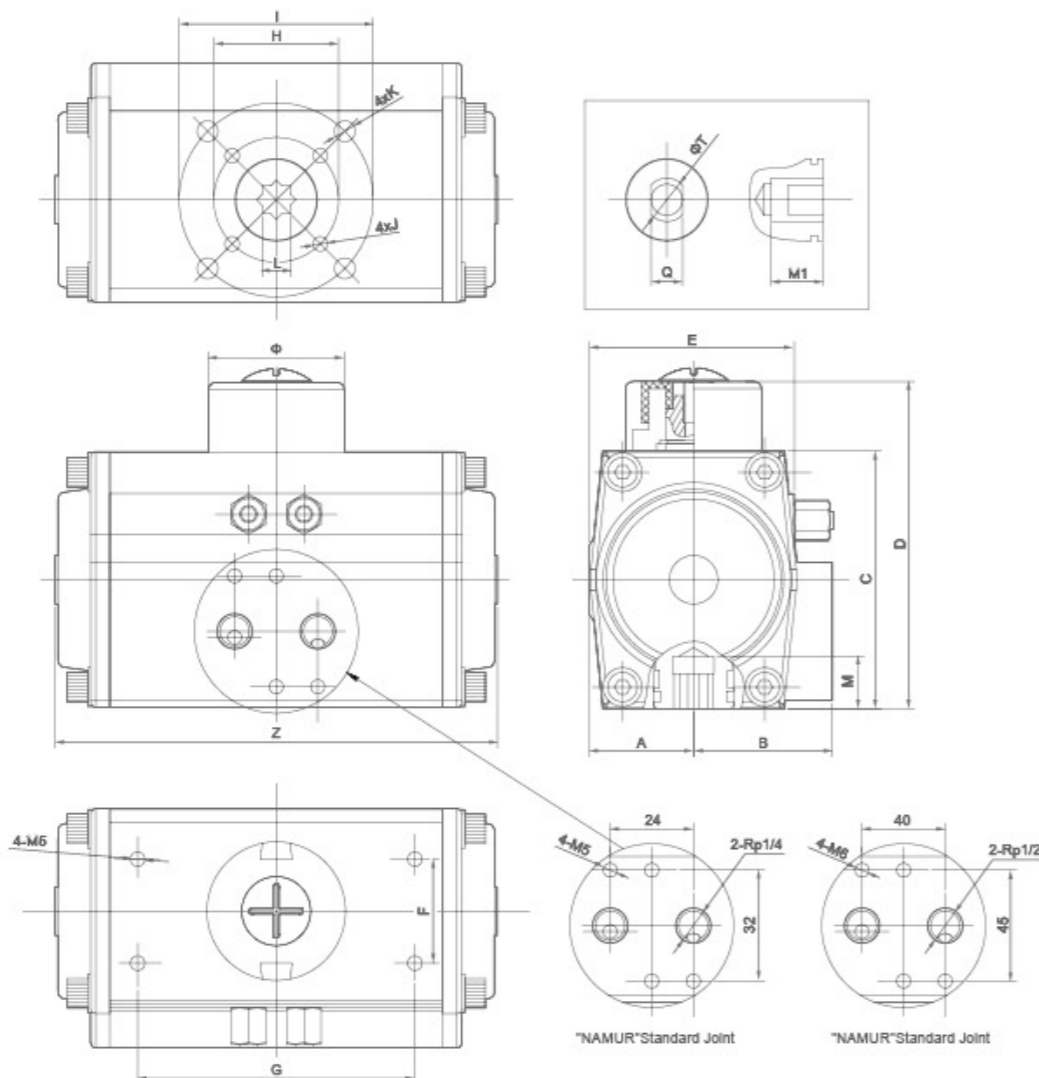
Part List & Material



No	Designation	Qty	Standard Material	Protection	Optional Material
1	Indicator Screw	1	Plastics		
2	Indicator	1	Plastics		
3	Circlip	1	Carbon Steel	Nickel Plated	Stainless Steel
4	Gasket	1	Engineering Plastics		
5	Body	1	Cast Aluminum	Hard Anodize, Etc	
6	Retainer Ring	1	Engineering Plastics		
7	Cam	1	Steel Alloy		
8	O Ring (Upper Bearing)	1	NBR		Fluorine Rubber/Silicone Rubber
9	Upper Bearing	1	Engineering Plastics		
10	Pinion	1	Carbon Steel/Stainless Steel	Nickel Plated	
11	Lower Bearing	1	Engineering Plastics		Stainless Steel
12	O Ring (Lower Bearing)	1	NBR		Fluorine Rubber/Silicone Rubber
13	O Ring (Adjust Screw)	2	NBR		Fluorine Rubber/Silicone Rubber
14	Nut (Adjust Screw)	2	Carbon Steel	Nickel Plated	Stainless Steel
15	Adjust Screw	2	Carbon Steel	Nickel Plated	Stainless Steel
16	Piston	2	Cast Aluminum/Casting	Anodized/Zinc Galvanized	Stainless Steel
17	Guide (Piston)	2	Engineering Plastics		
18	O Ring (Piston)	2	NBR		Fluorine Rubber/Silicone Rubber
19	Washer (Piston)	2	Engineering Plastics		
20	Spring (Single Acting)	0~12	Spring Steel	Dipping Paint	
21	O Ring (End Cap)	2	NBR		Fluorine Rubber/Silicone Rubber
22	End Cap	2	Cast Aluminum	Powder Coating, Etc	
23	Cap Screw	8	Carbon Steel	Nickel Plated	Stainless Steel

XAT Series Pneumatic Actuator

Overall Dimensions

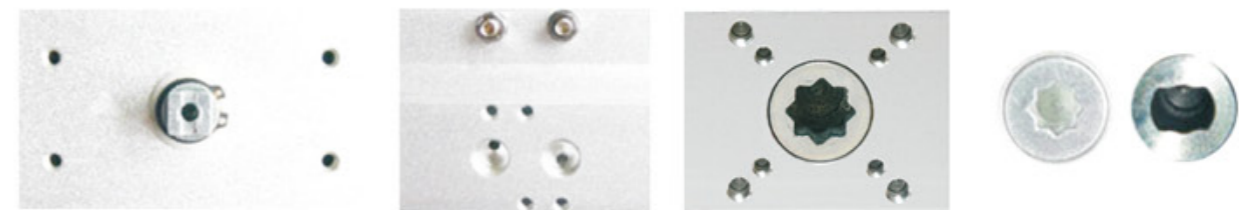


Dimension Sheet

Model	A	B	C	D	E	F	G	H	I	J	K	L	M	Z	Φ	Air joint
32DA	20	25	45	65	-	25	50	Φ36	-	M5x8	-	9x9	12	100	40	NAMUR Rp 1/8"
40DA	25	32	60	80	50	25	50	Φ36	Φ50	M5x8	M6x8	9x9	12	108	40	NAMUR Rp 1/8"
52DA/SR	30	40	74.3	95	59	30	80	Φ36	Φ50	M5x8	M6x8	11x11	15	135	40	NAMUR Rp 1/4"
63DA/SR	36	44	88	107.5	74	30	80	Φ50	Φ70	M6x10	M8x13	14x14	16	142	40	NAMUR Rp 1/4"
75DA/SR	42	50	100.5	121	80.5	30	80	Φ50	Φ70	M6x10	M8x13	14x14	16	168	40	NAMUR Rp 1/4"
83DA/SR	46	57	108.5	128.7	88	30	80	Φ50	Φ70	M6x10	M8x13	17x17	19	188	40	NAMUR Rp 1/4"
92DA/SR	50	57	117	137	96.5	30	80	Φ50	Φ70	M6x10	M8x13	17x17	22	192	40	NAMUR Rp 1/4"
105DA/SR	57.5	64	133	153	109.5	30	80	Φ70	Φ102	M8x13	M10x16	22x22	26	258	40	NAMUR Rp 1/4"
127DA/SR	68.5	69	161	181	132	30	80/130	Φ70	Φ102	M8x13	M10x16	22x22	26	310	55	NAMUR Rp 1/4"
140DA/SR	75	77	180	200	137.5	30	80/130	Φ102	Φ125	M10x16	M12x20	27x27	31	370	55	NAMUR Rp 1/4"
160DA/SR	86	78	198	218	158	30	80/130	Φ102	Φ125	M10x16	M12x20	27x27	31	397	55	NAMUR Rp 1/4"
190DA/SR	103	103	230	260	189	30	130	-	Φ140	-	M16x25	36x36	40	525	80	NAMUR Rp 1/4"
210DA/SR	113	113	255	285	210	30	130	-	Φ140	-	M16x25	36x36	40	532	80	NAMUR Rp 1/4"
240DA/SR	129	129	290	320	245	30	130	-	Φ165	-	M20x25	46x46	50	602	80	NAMUR Rp 1/4"
270DA/SR	146	146	326	356	273	30	130	-	Φ165	-	M20x25	46x46	50	722	80	NAMUR Rp 1/2"

XAT Series Pneumatic Actuator

Connection Type and Weight



Connection Type

1. Air supply connection is designed in accordance with NAMUR Standard to install solenoid valves.
2. The NAMUR drive pinion and the NAMUR top mounting connection permit direct installation of accessories such as limit switch box and positioner.
3. Bottom mounting connection is designed in accordance with ISO5211 and DIN3337 standards for direct mounting with valve gear boxes or mounting brackets.

New Type

New connection types are continued researching and developing.

Customer Need

We can design and produce all kinds of connection types according to customer's needs.

Air Volume (cm³)

Model	32	40	52	63	75	83	92	105	127	140	160	190	210	240	270
CW	40	65	135	220	350	540	760	1100	2150	2950	4260	5900	7500	11000	17000
CCW	30	43	110	160	270	410	570	860	1590	2100	3080	5900	7500	9000	14000

Weight (kgs)

Model	32	40	52	63	75	83	92	105	127	140	160	190	210	240	270
DA	0.5	0.75	1.1	1.96	2.4	2.9	3.95	5.8	9.3	14.5	17.5	31.3	46.8	67.3	97
SR			1.6	2.1	3	3.9	5.4	8.1	12.9	18.7	23.5	35.3	58.8	80.2	118

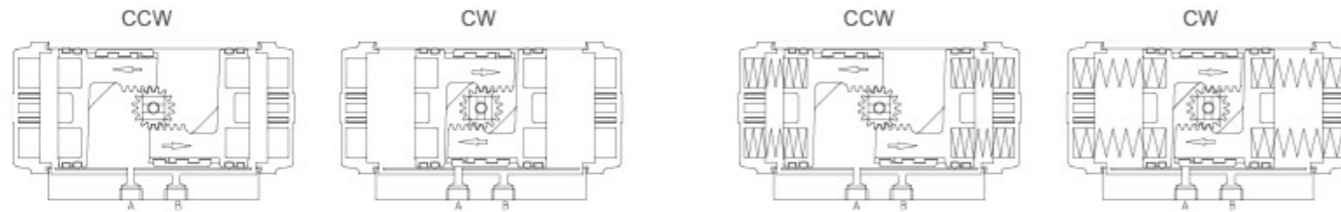
Note: Spring Return unit weights are with full 6 sets of springs per piston.

XAT Series Pneumatic Actuator

Double Acting Operating Principle

Single Acting Operating Principle

Operating Principle and Condition



CCW

Input the compressed air from the A, the left and right plungers move reversely, the output pinion rotates counter-clockwise, and the air at the sides of the both plungers exhausts from B.

CW

Input the compressed air from the B, the left and right plungers move to the center, the output pinion rotates clockwise, and the air between the two plungers exhausts from A.

CCW

Input the compressed air from the A, the left and right plungers move reversely, the output pinion rotates counter-clockwise, and the air at the sides of the both plungers exhausts from B.

CW

When it is out of air or power, the two plungers move to the center under the spring action, the output pinion rotates clockwise

Operating Condition

1. Operating Media

Dry and clear air, or the non-corrosive gases
The maximum particle diameter must less than 40um

2. Air Supply Pressure

The minimum supply pressure is 2.5Bar
The maximum supply pressure is 10Bar

3. Operating Temperature

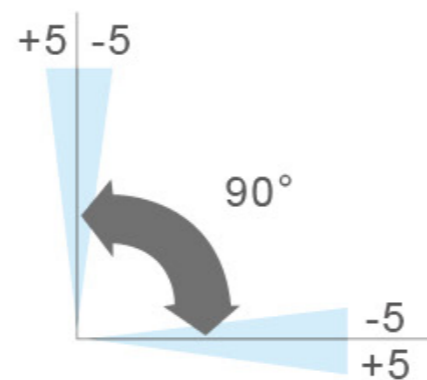
Standard: -20°C ~+80°C
Low temperature: -35°C ~+80°C (can be customized)
High temperature: -15°C ~+150°C (can be customized)

4. Travel Adjustment

Have adjustment range of +5 degree for the rotation at 0 and 90 degree

5. Application

Either indoor or outdoor



XAT Series Pneumatic Actuator

Double Acting Torque List

Torque List and Reference Selection

Model	Torque	Air Pressure(Bar)									
		2.5	3	3.5	4	4.5	5	5.5	6	7	8
XAT-32DA	3.2	3.8	4.4	5.0	5.7	6.31	6.9	7.6	8.8	10.1	
XAT-40DA	4.9	6.0	6.9	7.9	8.9	9.85	10.8	11.8	13.8	15.8	
XAT-52DA	9.9	12.0	13.8	15.8	17.7	19.7	21.7	23.6	27.6	31.5	
XAT-63DA	14.5	17.7	20.3	23.2	26.1	29.0	31.9	34.8	40.6	46.4	
XAT-75DA	24.8	30.2	34.7	39.6	44.6	49.5	54.5	59.4	69.3	79.2	
XAT-83DA	35.3	43.0	49.4	56.4	63.5	70.5	77.6	84.6	98.7	112.8	
XAT-92DA	49.5	60.4	69.3	79.2	89.1	99.0	108.9	118.8	138.6	158.4	
XAT-105DA	80.5	98.2	112.7	128.8	144.9	161.0	177.1	193.2	225.4	257.6	
XAT-127DA	141.5	172.6	198.1	226.4	254.7	283.0	311.3	339.6	396.2	452.8	
XAT-140DA	215.0	262.3	301.0	344.0	387.0	430.0	473.0	516.0	602.0	688.0	
XAT-160DA	281.0	342.8	393.4	449.6	505.8	562.0	618.2	674.4	786.8	899.2	
XAT-190DA	532.0	638.4	744.8	851.2	957.6	1064.0	1170.4	1276.8	1489.6	1702.4	
XAT-210DA	665.0	798.0	931.0	1064.0	1197.0	1330.0	1463.0	1596.0	1862.0	2128.0	
XAT-240DA	962.0	1154.4	1346.8	1539.2	1731.6	1924.0	2116.4	2308.8	2693.6	3078.4	
XAT-270DA	1462.0	1754.4	2046.8	2339.2	2631.6	2924.0	3216.4	3508.8	4093.6	4678.4	

TYPE: Double acting pneumatic actuator

The suggested safe factor for double acting actuators under normal working conditions is 20%~30%.

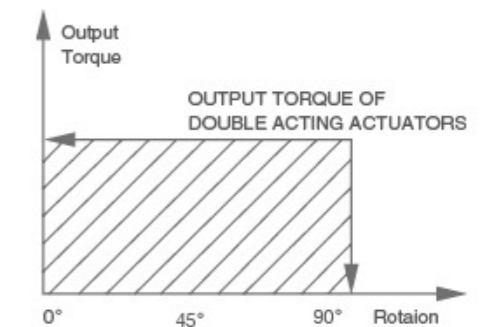
Example:

The torque needed by valve=100 Nm

The torque considered safe factor=100 (1+30%)=130 Nm

Air supply pressure=5Bar

According to the above table, we can choose the minimum model is XAT-105DA.



Reference Selection

Model	If air pressure	Reference	Reference	Valve	Double	ISO5211
XAT-32DA	6.3	-	-	-	9	F03
XAT-40DA	9.85	-	-	-	9	F03/05
XAT-52DA	19.7	40	2"	9	9	F03/05
XAT-63DA	29	65	2.5"	11	11	F05/07
XAT-75DA	49.5	80	3"	20	14	F05/07
XAT-83DA	70.5	100	4"	29	17	F05/07
XAT-92DA	99	100	4"	47	17	F05/07
XAT-105DA	161	125	5"	82	22	F07/10
XAT-127DA	283	150	6"	130	22	F07/10
XAT-140DA	430	250	10"	360	27	F10/12
XAT-160DA	562	250	10"	360	27	F10/12
XAT-190DA	1064	300	12"	475	36	F14
XAT-210DA	1330	350	14"	760	36	F14
XAT-240DA	1924	400	16"	1300	46	F16
XAT-270DA	2924	500	20"	2340	46	F16

XAT Series Pneumatic Actuator

Reference Selection

TYPE:

Single acting pneumatic actuator

The suggested safe factor for single acting actuators under normal working conditions is 20%~30%.

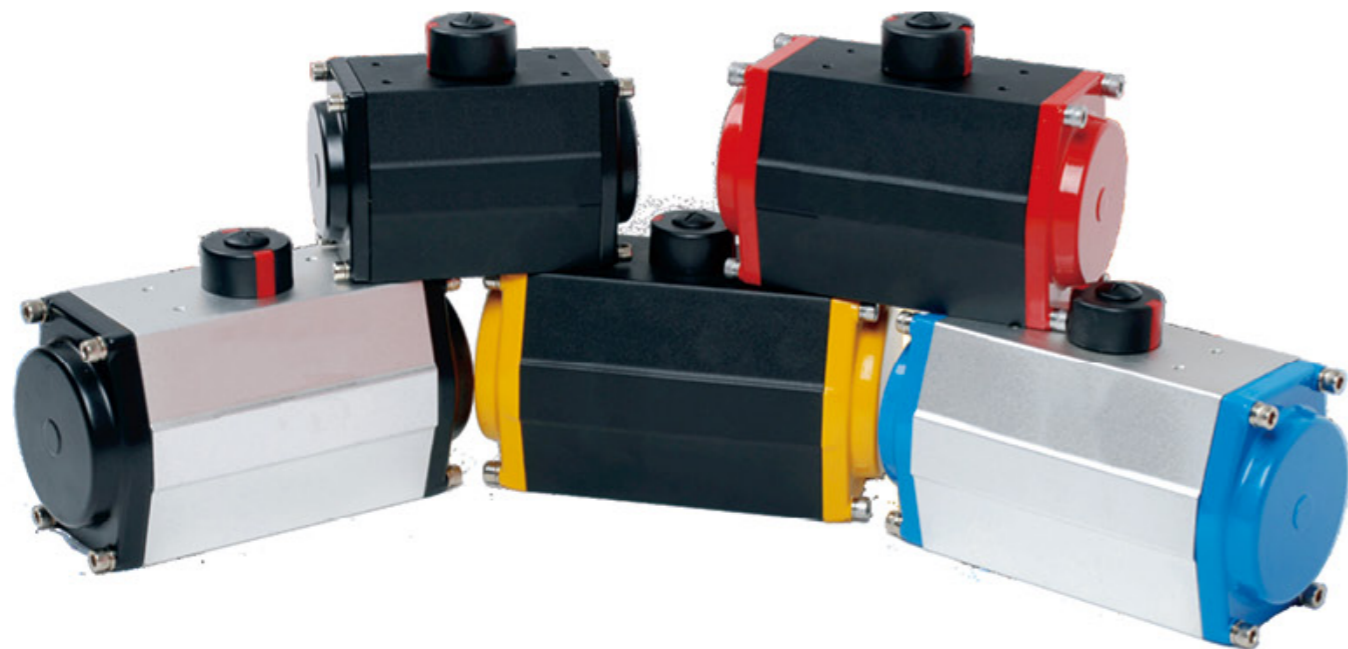
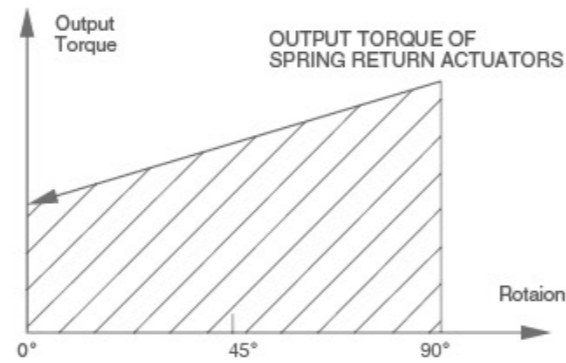
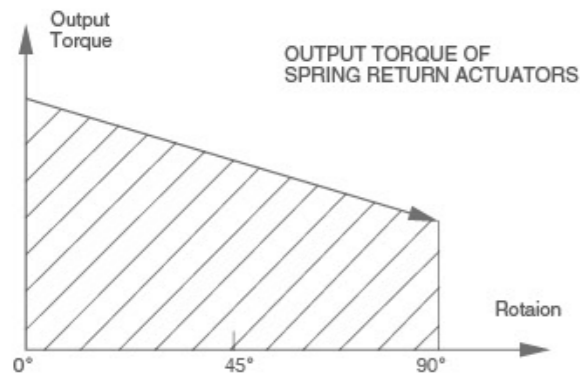
Example:

The torque needed by valve=100 Nm

The torque considered safe factor=100 (1+30%)=130 Nm

Air supply pressure=5Bar

According to the above table, we can choose the minimum model is XAT-40SR with full 6pcs spring.



Air source treatment units

XCPC produce different standards of air source treatment unit(short as FRL), which include air filter, regulator, lubricator. They are offered as separation or combination, auto drain is available for some models. XCPC is one of the leading factory in this area for 17 years, with high reputation in domestic and international market.



XOC Series Air Source Treatment Unit



XOC-MINI

The XOC consisted of XOFR and XOL, each unit can be ordered separately.

The XOF with water separator cleans the compressed air of fluid oil, condensation and dirt. Particles. For special application, the standard 40µm filter element may easily be replaced by a 5µm filter element.

The XOR maintain inputting constant operating pressure despite fluctuation in line pressure and the amount of air consumed. The proportional lubricator adds a regulated quantity of oil to the filtered air. The oil-mist content proportional to the flow and oil can be added during operation. The oil drop rate is controlled by the adjustable bolt. Normally, 1to 12 drops/1000L of the air is sufficient

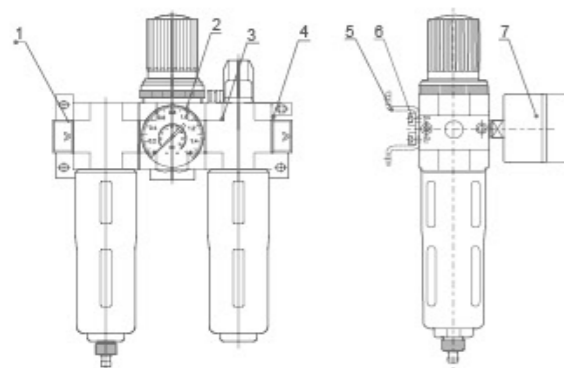
Ordering Code

XO	C	MINI	1/4	□	□	□
Series XO Series	Function code FRL Combination	Body MINI MIDI MAXI	Port Size G1/8" G1/2" G1/4" G3/4" G3/8" G1"	Grade of Filtration Blank: 40µm 5M: 5µm	Manometer Blank: 12bar 7: 7bar	Drain Type Blank: Turnd Manually S: Half-Auto Drain Type A: Auto Drain Type

Specification

Model	MINI			MIDI			MAXI		
Manual Drain	Working pressure: 12bar, 40µm	XOC-1/8-MINI	XOC-1/4-MINI	XOC-3/8-MINI	XOC-3/8-MIDI	XOC-1/2-MIDI	XOU-3/4-MIDI	XOC-3/4-MAXI	XOC-1-MAXI
	Working pressure: 7bar, 40µm	XOC-1/8-7-MINI	XOC-1/4-D-7-MINI	XOC-3/8-7-MINI	XOC-3/8-7-MIDI	XOC-1/2-7-MIDI	XOU-3/4-7-MIDI	XOC-3/4-7-MAXI	XOC-1-7-MAXI
	Working pressure: 12bar, 5µm	XOC-1/8-5M-MINI	XOC-1/4-5M-MINI	XOC-3/8-5M-MINI	XOC-3/8-5M-MIDI	XOC-1/2-5M-MIDI	XOU-3/4-5M-MIDI	XOC-3/4-5M-MAXI	XOC-1-5M-MAXI
Manometer	0~12bar	OMA-40-16-1/8			OMA-50-16-1/4				
	0~7bar	OMA-40-10-1/8			OMA-50-10-1/4				
Medium	Compressed air								
Features of structure	Sintered filter with water separator; MINI/MIDI/MAXI: Piston regulator; Diaphragm type regulator; Direct constant-density lubricator								
Mounting type	Pipe mounting or foot mounting								
Assembly position	Vertical ±5°								
Connection	G1/8"	G1/4"	G3/8"	G3/8"	G1/2"	G3/4"	G3/4"	G1"	
Standard nominal flow rate	XOC-...(-A)	700	1000	1200	2000	2600	2600	7000	8000
	XOC-...-7(-A)	800	1300	1500	2500	2800	2800	8500	8700
	XOC-...-5M(-A)	600	850	1050	1700	1800	2100	6500	7200
Primary pressure	Manual condensate drain	1~16bar							
	Automatic condensate drain	1.5~12bar							
Working pressure	0.5~12bar/0.5~7bar								
Min. Standard nominal flow rate	3 L/min			6 L/min			10 L/min		
Grade of filtration	40µm/5µm								
Capacity of condensate fluid	22ml			43ml			80ml		
Temperature range	0~60°C								
Materials information	Housing: Zinc die-casting; Filter bowl and oil bowl: PC; Metal bowl guard: Aluminum alloy; Sealing: NBR; Adjusting knob: POM								

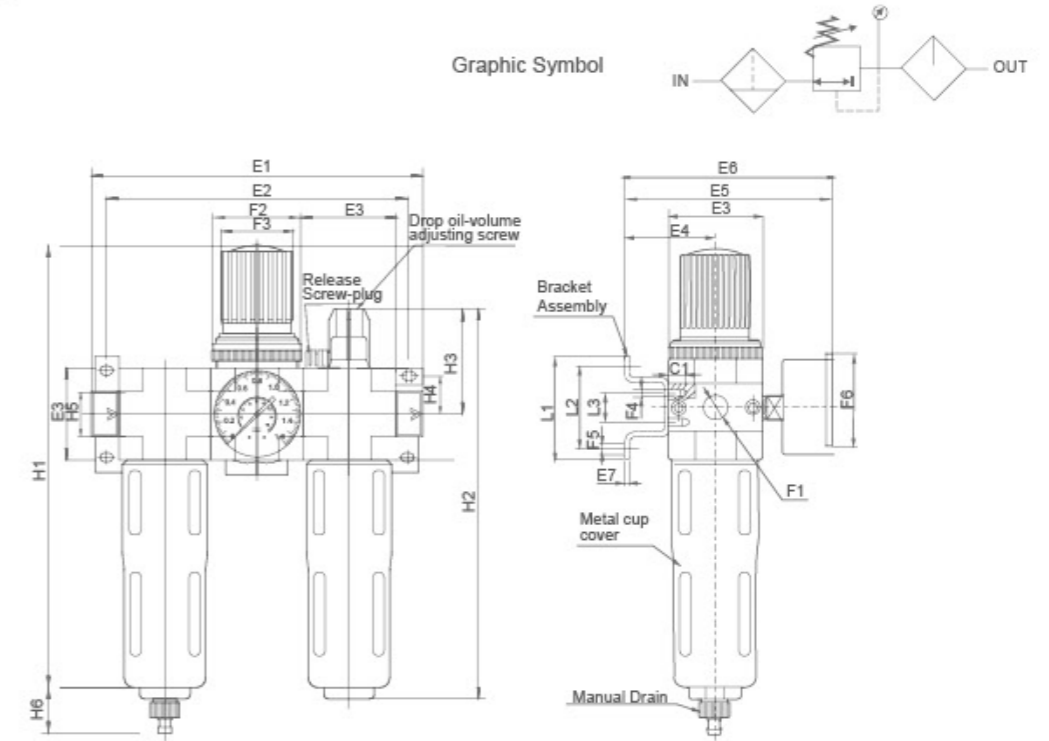
Internal structure



No	Name	Material
1	Flange-IN	Zinc alloy
2	Filter + Regulator	
3	Lubricator	
4	Flange - OUT	Zinc alloy
5	Bracket	SPCC
6	Allen screw	S35C
7	Pressure gauge	

XOC Series Air Source Treatment Unit

Overall Dimensions



Dimension Sheet

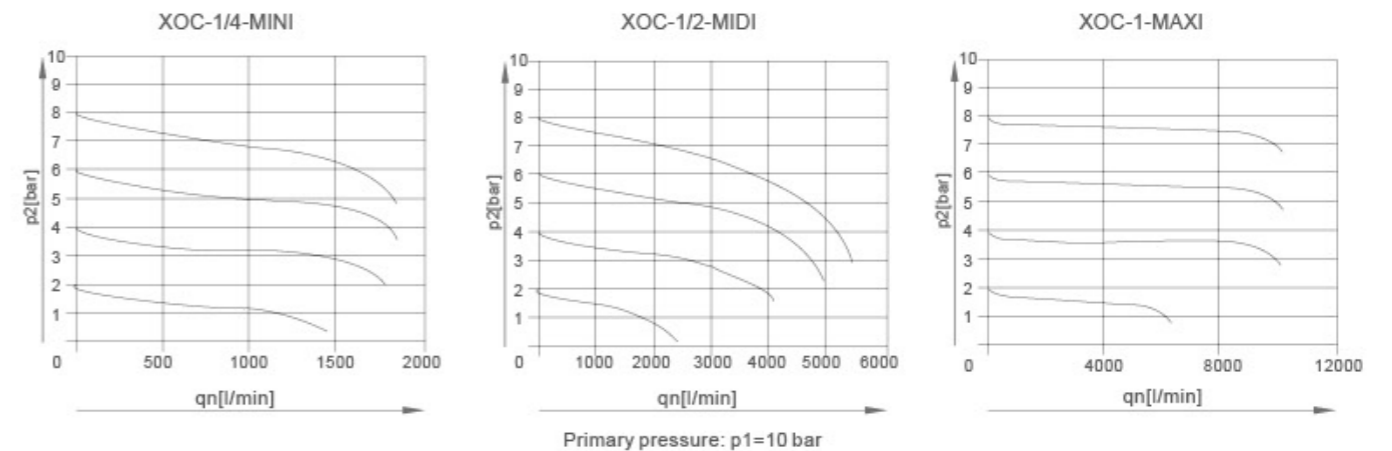
Model	E1	E2	E3	E4	E5	E6	E7	F1	F2
XOC-MINI	143	132	40	39	76	95	2	G1/8", G1/4", G3/8"	M36×1.5
XOC-MIDI	193	180	55	47	93	112	3	G3/8", G1/2", G3/4"	M52×1.5
XOC-MAXI	247	220	66	53	104	124	3	G3/4", G1"	M52×1.5

Model	F3Φ	F4	F5Φ	F6Φ	L1	L2	L3	H1	H2	H3	H4	H5	H6
XOC-MINI	31	M4	4.5	41	44	35	11	194	169	69	17.5	20	15
XOC-MIDI	50	M5	5.5	352	71	60	22	250	206	97	24.5	32	15
XOC-MAXI	50	M5	5.5	53	71	60	22	272	226	80	24.5	32, 40	15

Note: The Color Can Be Customized According to Your Requirement.

Flow diagram

Standard flow rate qn as a function of the output pressure p2



XOU Series Air Source Treatment Unit



XOU-MINI

The XOU consisted of XOFR and XOL, each unit can be ordered separately.
 The XOF with water separator cleans the compressed air of fluid oil, condensation and dirt. Particles. For special application, the standard 40µm filter element may easily be replaced by a 5µm filter element.
 The XOR maintain inputting constant operating pressure despite fluctuation in line pressure and the amount of air consumed. The proportional lubricator adds a regulated quantity of oil to the filtered air. The oil-mist content proportional to the flow and oil can be added during operation. The oil drop rate is controlled by the adjustable bolt. Normally, 1 to 12 drops/1000L of the air is sufficient

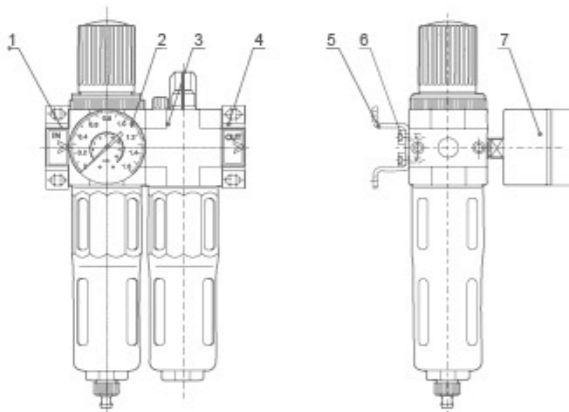
Ordering Code

XO	U	MINI	1/4	□	□	□
Series XO Series	Function code FRL Combination	Body MINI MIDI MAXI	Port Size G1/8" G1/2" G1/4" G3/4" G3/8" G1"	Grade of Filtration Blank: 12bar 7.7bar 5M: 5µm	Manometer Blank: 12bar 7.7bar	Drain Type Blank: Turnd Manually S: Half-Auto Drain Type A: Auto Drain Type

Specification

Model	MINI			MIDI			MAXI			
Manual Drain	Working pressure: 12bar, 40µm	XOU-1/8-MINI	XOU-1/4-MINI	XOU-3/8-MINI	XOU-3/8-MIDI	XOU-1/2-MIDI	XOU-3/4-MIDI	XOU-3/4-MAXI	XOU-1-MAXI	
	Working pressure: 7bar, 40µm	XOU-1/8-7-MINI	XOU-1/4-D-7-MINI	XOU-3/8-7-MINI	XOU-3/8-7-MIDI	XOU-1/2-7-MIDI	XOU-3/4-7-MIDI	XOU-3/4-7-MAXI	XOU-1-7-MAXI	
	Working pressure: 12bar, 5µm	XOU-1/8-5M-MINI	XOU-1/4-5M-MINI	XOU-3/8-5M-MINI	XOU-3/8-5M-MIDI	XOU-1/2-5M-MIDI	XOU-3/4-5M-MIDI	XOU-3/4-5M-MAXI	XOU-1-5M-MAXI	
Manometer	0~12bar	OMA-40-16-1/8			OMA-50-16-1/4					
	0~7bar	OMA-40-10-1/8			OMA-50-10-1/4					
Medium		Compressed air								
Features of structure		Sintered filter with water separator; MINI/MIDI: MAXI: Piston regulator; Diaphragm type regulator; Direct constant-density lubricator								
Mounting type		Pipe mounting or foot mounting								
Assembly position		Vertical ±5°								
Connection		G1/8"	G1/4"	G3/8"	G3/8"	G1/2"	G3/4"	G3/4"	G1"	
Standard nominal flow rate	XOU-...(-A)	700	1000	1200	2000	2600	2600	7000	8000	
	XOU-...-7(-A)	800	1300	1500	2500	2800	2800	8500	8700	
Primary pressure	Manual condensate drain	1~16bar								
	Automatic condensate drain	1.5~12bar								
Working pressure		0.5~12bar/0.5~7bar								
Min. Standard nominal flow rate		3 L/min			6 L/min			10 L/min		
Grade of filtration		40µm/5µm								
Capacity of condensate fluid		22ml			43ml			80ml		
Temperature range		0~60℃								
Materials information		Housing: Zinc die-casting; Filter bowl and oil bowl: PC; Metal bowl guard: Aluminum alloy; Sealing: NBR; Adjusting knob: POM								

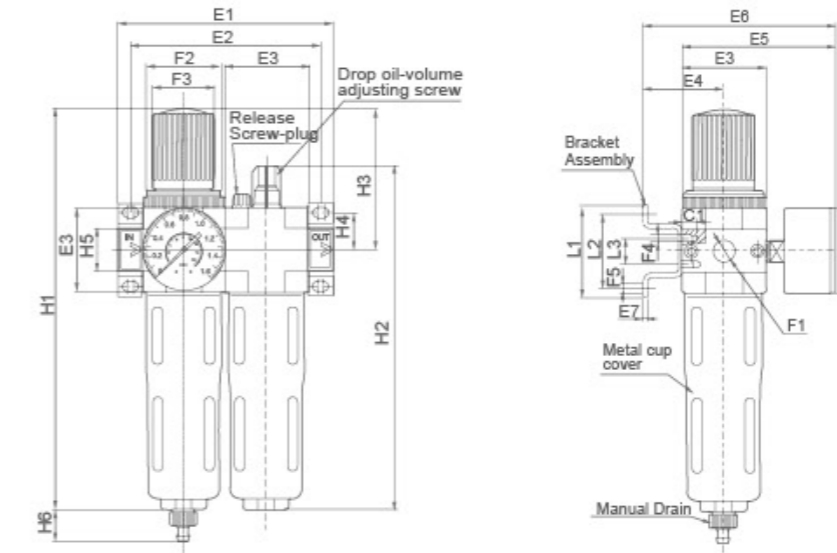
Internal structure



No	Name	Material
1	Flange-IN	Zinc alloy
2	Filter + Regulator	
3	Lubricator	
4	Flange - OUT	Zinc alloy
5	Bracket	SPCC
6	Allen screw	S35C
7	Pressure gauge	

XOU Series Air Source Treatment Unit

Overall Dimensions



Dimension Sheet

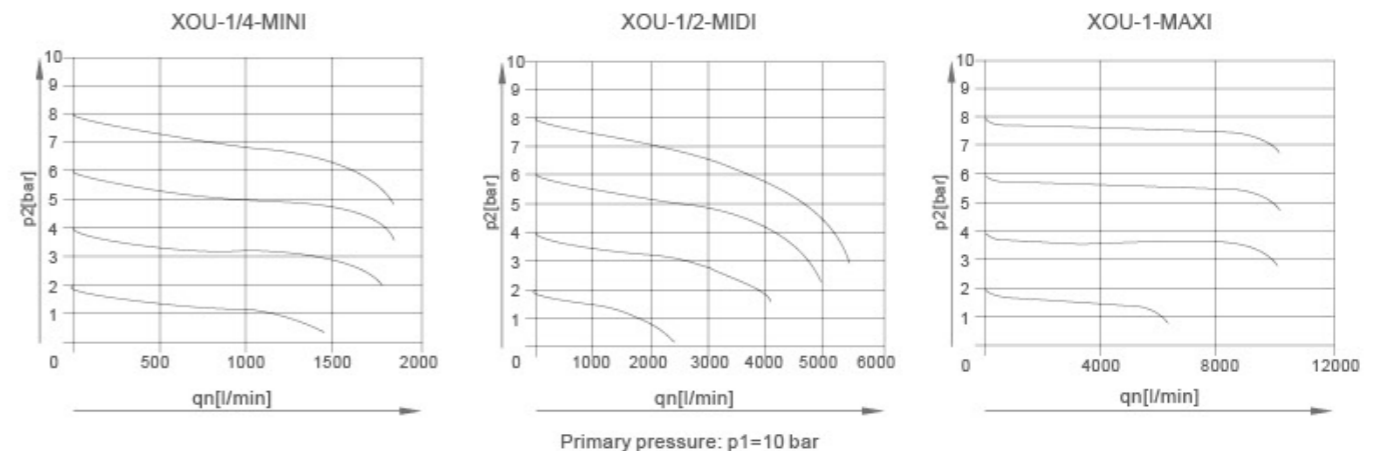
Model	E1	E2	E3	E4	E5	E6	E7	F1	F2
XOU-...-MINI	104	92	40	39	76	95	2	G1/8", G1/4", G3/8"	M36x1.5
XOU-...-MIDI	140	125	55	47	93	112	3	G3/8", G1/2", G3/4"	M52x1.5
XOU-...-MAXI	162, 182	146, 157	66	53	104	124	3	G3/4", G1"	M52x1.5

Model	F3Φ	F4	F5Φ	F6Φ	L1	L2	L3	H1	H2	H3	H4	H5	H6
XOU-...-MINI	31	M4	4.5	41	44	35	11	194	169	69	17.5	20	15
XOU-...-MIDI	50	M5	5.5	352	71	60	22	250	206	97	24.5	32	15
XOU-...-MAXI	50	M5	5.5	53	71	60	22	272	226	80	24.5	32, 40	15

Note: The Color Can Be Customized According to Your Requirement.

Flow diagram

Standard flow rate qn as a function of the output pressure p2



XOFR Series Filter & Regulator



XOFR-MINI

Filter and pressure regulator combine a single unit, and cleans the compressed air of fluid oil, condensation and dirt particles. For special application, the standard 40µm filter element may easily be replaced by a 5µm filter element.

The XOR maintain im putting constant operating pressure despite fluctuation in line pressure and the amount of air consumed.

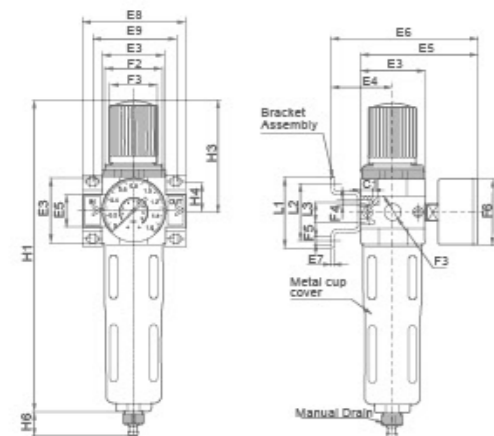
Ordering Code

XO	FR	MINI	1/4	□	□	□
Series	Function code	Body	Port Size	Grade of Filtration	Manometer	Drain Type
XO Series	Filter&Regulator	MINI MIDI MAXI	G1/8" G1/2" G1/4" G3/4" G3/8" G1"	Blank:40µm 7:7µm 5M:5µm	Blank:12bar 7:7bar	Blank: Turnd Manually S:Half-Auto Drain Type A:Auto Drain Type

Specification

Model	MINI	MIDI	MAXI
Working pressure:12bar,40µm	XOFR-1/8-MINI	XOFR-1/4-MINI	XOFR-3/8-MINI
Working pressure:7bar,40µm	XOFR-1/8-7-MINI	XOFR-1/4-D-7-MINI	XOFR-3/8-7-MINI
Working pressure:12bar,5µm	XOFR-1/8-5M-MINI	XOFR-1/4-5M-MINI	XOFR-3/8-5M-MINI
Working pressure:12bar,40µm	XOFR-3/8-MIDI	XOFR-1/2-MIDI	XOFR-3/4-MIDI
Working pressure:7bar,40µm	XOFR-3/8-7-MIDI	XOFR-1/2-7-MIDI	XOFR-3/4-7-MIDI
Working pressure:12bar,5µm	XOFR-3/8-5M-MIDI	XOFR-1/2-5M-MIDI	XOFR-3/4-5M-MIDI
Working pressure:12bar,40µm	XOFR-3/4-MAXI	XOFR-1-MAXI	XOFR-1-7-MAXI
Working pressure:7bar,40µm	XOFR-3/4-7-MAXI	XOFR-1-7-MAXI	XOFR-1-7-MAXI
Working pressure:12bar,5µm	XOFR-3/4-5M-MAXI	XOFR-1-5M-MAXI	XOFR-1-5M-MAXI
Manometer	0~12bar	OMA-40-16-1/8	OMA-50-16-1/4
	0~7bar	OMA-40-10-1/8	OMA-50-10-1/4
Medium	Compressed air		
Features of structure	Sintered filter with water separator;MINI/MIDI:MAXI:Piston regulator;		
Mounting type	Pipe mounting or foot mounting		
Assembly position	Vertical ±5°		
Connection	G1/8"	G1/4"	G3/8"
Standard nominal flow rate	750	1400	1600
	900	1500	1700
	650	1200	1350
Primary pressure	1~16bar		
	1.5~12bar		
Working pressure	0.5~12bar/0.5~7bar		
Grade of filtration	40µm/5µm		
Max. Condensate Capacity	22ml	43ml	80ml
Temperature range	0~60°C		
Materials information	Housing:Zinc die-casting;Filter bowl: PC;Metal bowl guard:Aluminum alloy;Sealing:NBR;Adjusting knob:POM		

Overall Dimensions



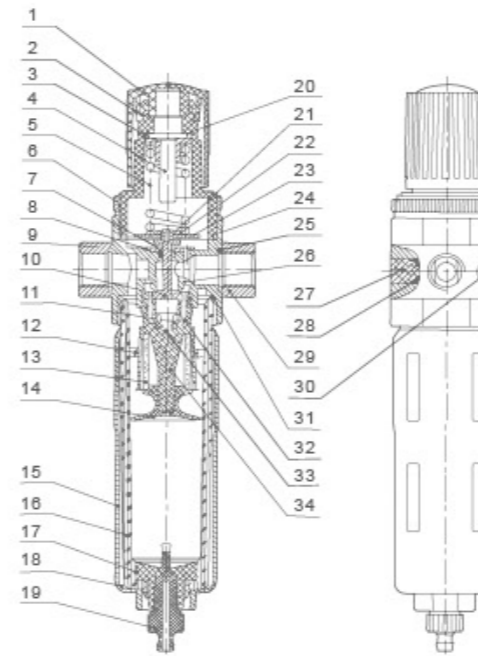
Dimension Sheet

Model	E3	E4	E5	E6	E8	E9	F1	F2
XOFR-...-MINI	40	39	76	95	64	52	G1/8",G1/4",G3/8"	M36×1.5
XOFR-...-MIDI	55	47	93	112	85	70	G3/8",G1/2",G3/4"	M52×1.5
XOFR-...-MAXI	66	53	104	124	116	91	G3/4",G1"	M52×1.5

Model	F3Φ	F4	F5Φ	F6Φ	L1	L2	L3	H1	H3	H4	H5	H6
XOFR-...-MINI	31	M4	4.5	41	44	35	11	194	69	17.5	20	15
XOFR-...-MIDI	50	M5	5.5	52	73	60	22	250	98	24.5	32	15
XOFR-...-MAXI	50	M5	5.5	53	73	60	22	272	80	24.5	32,40	15

XOFR Series Filter & Regulator

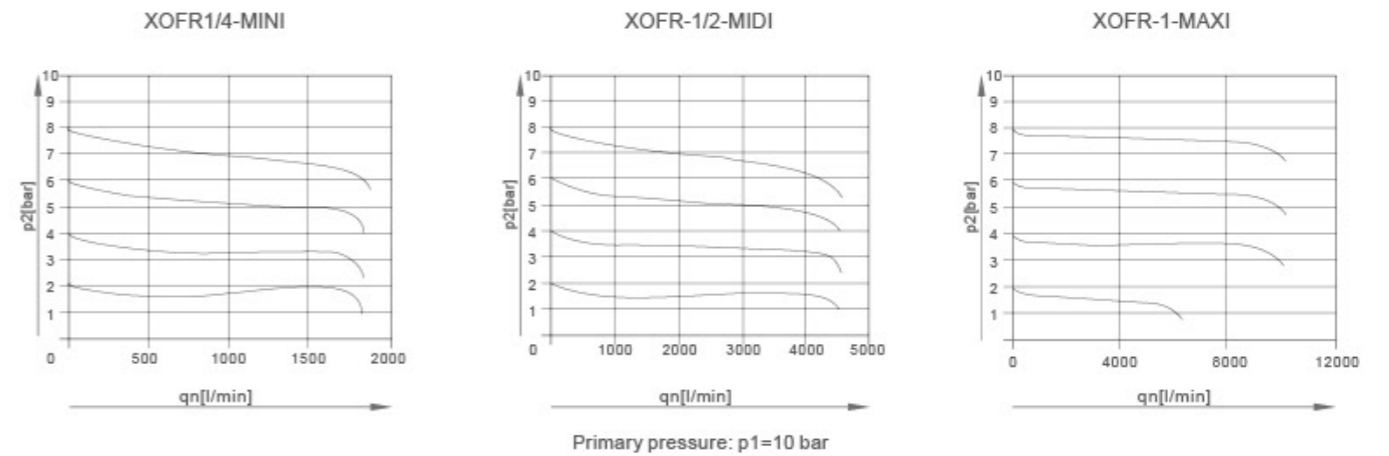
Internal structure



No	Name	Material	No	Name	Material
1	Pressure knob	POM	18	Inner joint	POM
2	Regulator cap	POM	19	Condensate drain	POM
3	Regulator nut	S35C	20	Wearing sheet	Insulation sheet
4	Adjusting spindle	S35C	21	OR Sheet	NBR
5	Pressure spring	SWC	22	Overflow base	6061-T6
6	Fixed ring	6061-T6	23	One part of diaphragm	SPCC
7	One part of membrane	PA6+G15	24	Diaphragm	NBR+Nylon Mesh
8	O-ring	NBR	25	O-ring	NBR
9	Flange-IN	Zinc alloy	26	OR Body	Zinc alloy
10	Spool	Brass	27	Plug	POM
11	O-ring	NBR	28	O-ring	NBR
12	Whirl wind impeller	POM	29	Flange-OUT	Zinc alloy
13	Filter element	PE	30	Allen screw	S35C
14	Manger	POM	31	O-ring	NBR
15	Metal bowl guard	Aluminum alloy	32	Spring	SWPB
16	Filter bowl	PC	33	Fasteners	Brass
17	O-ring	NBR	34	Filter element base	POM

Flow diagram

Standard flow rate qn as a function of the output pressure p2



XOR Series Regulator

The XOR maintain inputting constant operating pressure despite fluctuation in line pressure and the amount of air consumed.



XOR-MINI

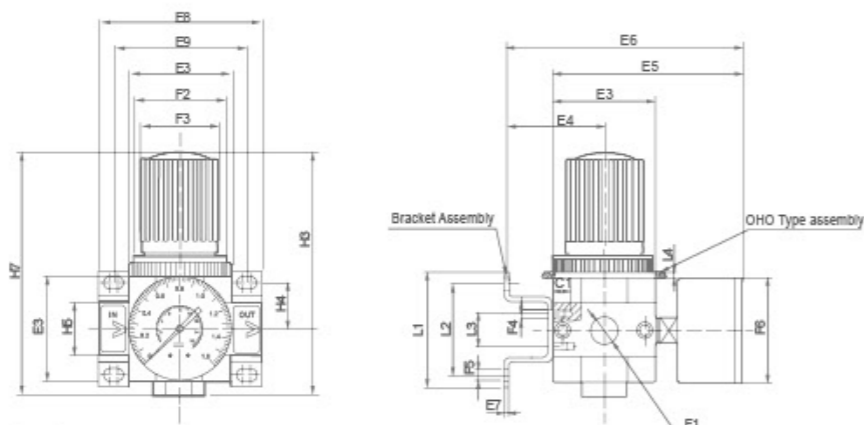
Ordering Code



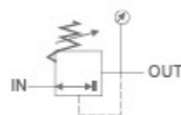
Specification

Model	MINI			MIDI			MAXI		
Working pressure 12bar	XOR-1/8-MINI	XOR-1/4-MINI	XOR-3/8-MINI	XOR-3/8-MIDI	XOR-1/2-MIDI	XOR-3/4-MIDI	XOR-3/4-MAXI	XOR-1-MAXI	
Working pressure 7bar	XOR-1/8-7-MINI	XOR-1/4-7-MINI	XOR-3/8-7-MINI	XOR-3/8-7-MIDI	OXR-1/2-7-MIDI	XOR-3/4-7-MIDI	XOR-3/4-7-MAXI	XOR-1-7-MAXI	
Manometer	0~12bar	OMA-40-16-1/8			OMA-50-16-1/4				
	0~7bar	OMA-40-10-1/8			OMA-50-10-1/4				
Medium	Filtered, compressed air (lubricated or unlubricated)								
Features of structure	MINI/MIDI: Diaphragm type regulator; MAXI: Piston regulator								
Mounting type	Pipe/foot/Plate mounting								
Assembly position	Any								
Connection	G1/8"	G1/4"	G3/8"	G3/8"	G1/2"	G3/4"	G3/4"	G1"	
Standard nominal flow rate	XOR-...	800	1500	1700	3200	3500	3500	11000	11500
	XOR-...-7-	1000	1600	1800	3300	4000	4500	12000	12500
Primary pressure	1~16bar								
Working pressure	0.5~12bar/0.5~7bar								
Temperature range	0~60°C								
Materials information	Housing: Zinc die-casting; Sealing: NBR; Adjusting knob: POM								

Overall Dimensions



Graphic Symbol

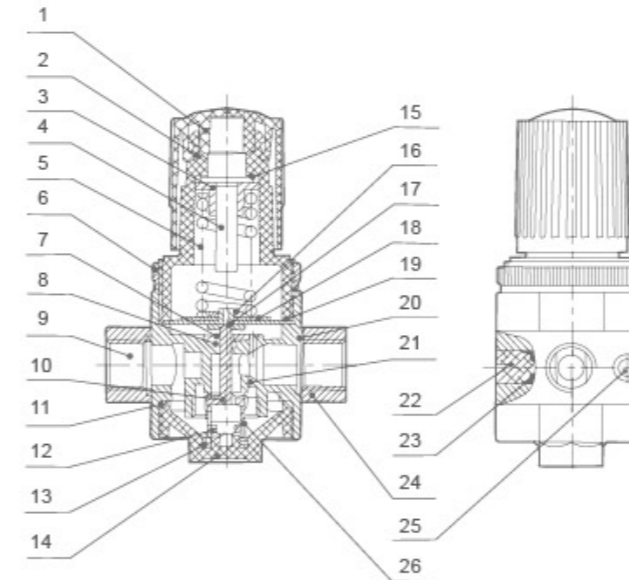


Dimension Sheet

Model	E3	E4	E5	E6	E8	E9	F1	F2	F3Φ	F4	F5Φ	F6Φ	L1	L2	L3	L4	H3	H4	H7
XOR-...-MINI	40	39	76	95	64	52	G1/8", G1/4", G3/8"	M36×1.5	31	M4	4.5	41	44	35	11	Max.3	69	17.5	96
XOR-...-MIDI	55	47	93	112	85	70	G3/8", G1/2", G3/4"	M52×1.5	50	M5	5.5	52	73	60	22	Max.5	98	24.5	96
XOR-...-MAXI	66	53	104	124	96,116	80,91	G3/4", G1"	M52×1.5	31	M5	5.5	53	73	60	22	Max.4	80	24.5	96

XOR Series Regulator

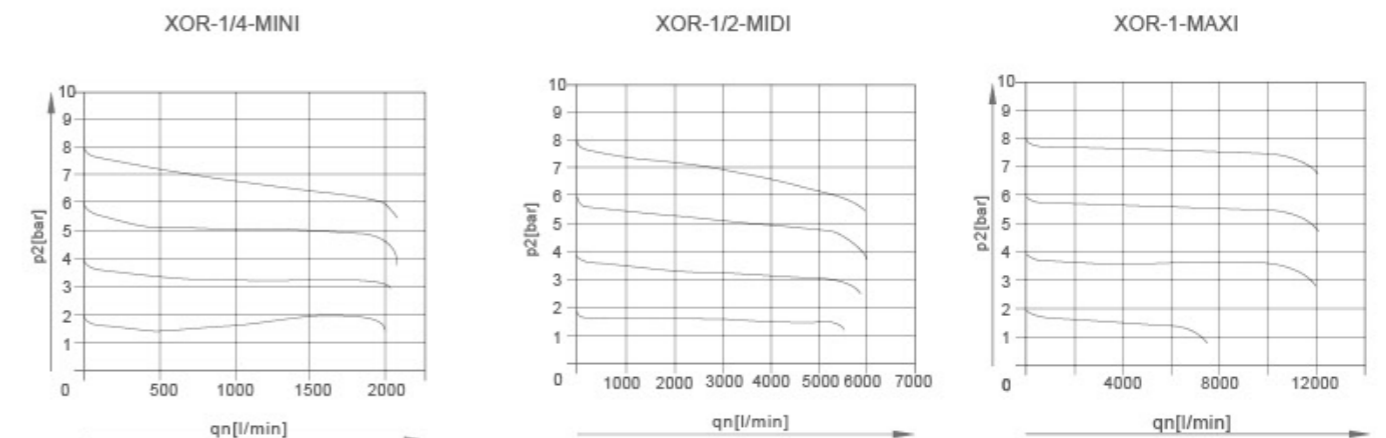
Internal structure



No	Name	Material
1	Pressure knob	POM
2	Regulator cap	POM
3	Regulator nut	S35C
4	Adjusting spindle	S35C
5	Pressure spring	SWC
6	Fixed ring	6061-T6
7	One part of membrane	NBR
8	O-ring	NBR
9	Flange-IN	Zinc alloy
10	Spool	Brass
11	O-ring	NBR
12	O-ring	NBR
13	Fasteners	Brass
14	Locker cover	Zinc alloy
15	Wearing sheet	Insulation sheet
16	OR Sheet	NBR
17	Overflow base	6061-T6
18	One part of diaphragm	SPCC
19	Diaphragm	NBR+Nylon Mesh
20	O-ring	NBR
21	OR Body	Zinc alloy
22	Plug	POM
23	O-ring	NBR
24	Flange-OUT	Zinc alloy
25	Allen screw	S35C
26	Spring	SWPB

Flow diagram

Standard flow rate qn as a function of the output pressure p2



Primary pressure: p1=10 bar

XOF Series Air Filter



The OF with water separator cleans the compressed air of fluid oil, condensation and dirt particles, for special application, the standard 40µm filter element may easily be replaced by a 5µm filter element.

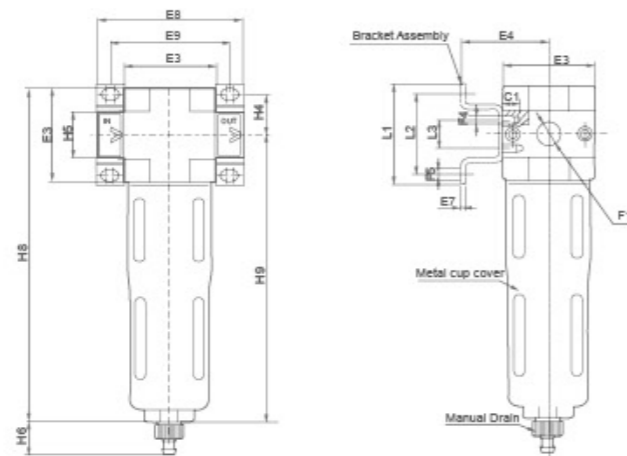
Ordering Code

XO	F	MINI	1/4	□	□
Series XO Series	Function code Filter	Body MINI MIDI MAXI	Port Size G1/8" G1/4" G3/8" G1/2" G3/4" G1"	Grade of Filtration Blank: 40µm 5M: 5µm	Drain Type Blank: Turnd Manually S: Half-Auto Drain Type A: Auto Drain Type

Specification

Model	MINI			MIDI			MAXI	
40µm	XOF-1/8-MINI	XOF-1/4-MINI	XOF-3/8-MINI	XOF-3/8-MIDI	XOF-1/2-MIDI	XOF-3/4-MIDI	XOF-3/4-MAXI	XOF-1-MAXI
5µm	XOF-1/8-5M-MINI	XOF-1/4-5M-MINI	XOF-3/8-5M-MINI	XOF-3/8-5M-MIDI	XOF-1/2-5M-MIDI	XOF-3/4-5M-MIDI	XOF-3/4-5M-MAXI	XOF-1-5M-MAXI
Medium	Compressed air							
Features of structure	Sintered filter with water spartor							
Mounting type	Pipe mounting or foot mounting							
Assembly position	Vertical ±5°							
Connection	G1/8"	G1/4"	G3/8"	G3/8"	G1/2"	G3/4"	G3/4"	G1"
Standard nominal flow rate	XOF-... 1000	XOF-... 1200	XOF-... 1400	XOF-... 2700	XOF-... 3000	XOF-... 3000	XOF-... 5000	XOF-... 5300
Primary pressure	Manual drain: 1~16bar							
Grade of filtration	40µm/5µm							
Max. condensate capacity	22ml			43ml			80ml	
Max. condensate capacity	0~60℃							
Materials information	Housing: Zinc die-casting; Filter bowl: PC; Metal bowl guard: Aluminum alloy; Sealing: NBR							

Overall Dimensions



Graphic Symbol

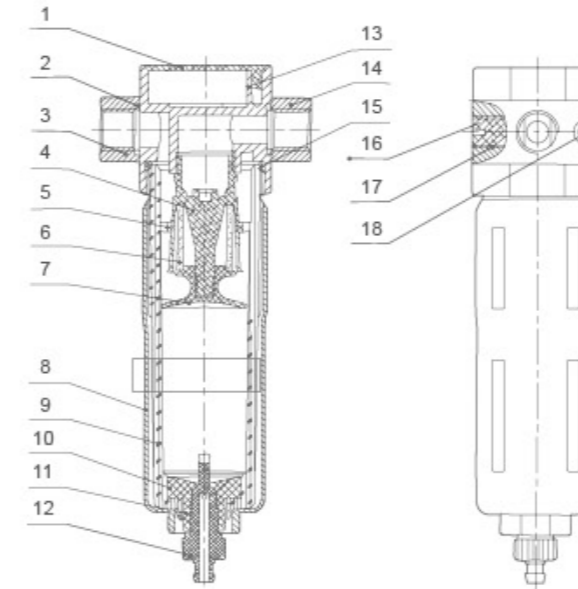


Dimension Sheet

Model	E3	E4	E7	E8	E9	F1	F4	F5φ	L1	L2	L3	H4	H5	H6	H8	H9
XOF-...-MINI	40	39	2	64	52	G1/8", G1/4", G3/8"	M4	4.5	44	35	11	17.5	20	15	144	124
XOF-...-MIDI	55	47	3	85	70	G3/8", G1/2", G3/4"	M5	5.5	71	60	22	30	32	15	180	153
XOF-...-MAXI	66	53	3	96,116	80,91	G3/4", G1"	M5	5.5	71	60	22	30	32,40	15	203	170

XOF Series Air Filter

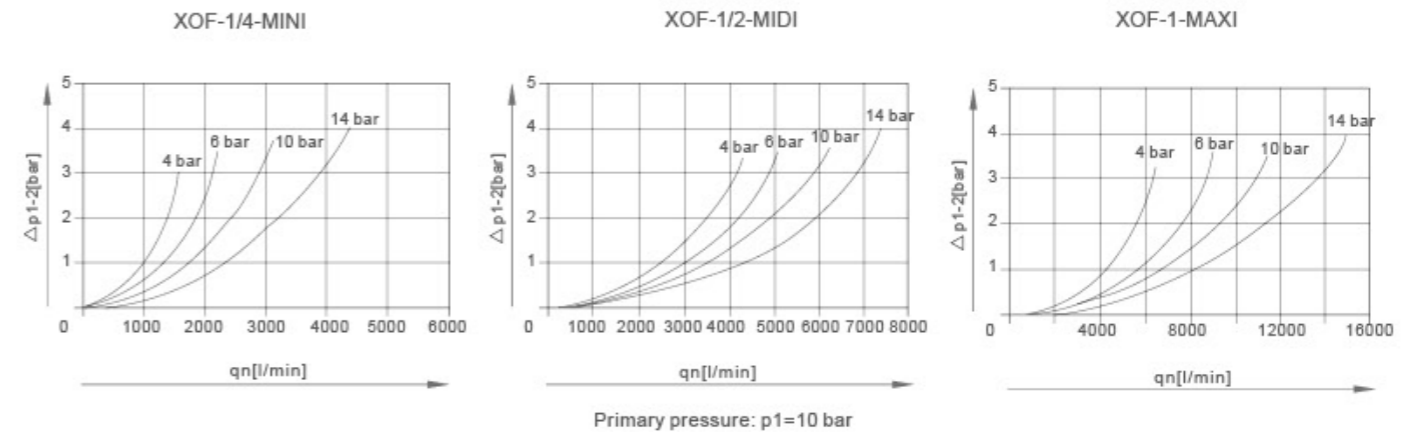
Internal structure



No	Name	Material
1	Ornament cover(round)	POM
2	O-ring	NBR
3	Flange-IN	Zinc alloy
4	Filter element base	POM
5	Whirl wind impeller	POM
6	Filter element	PE
7	Manger	POM
8	Metal bowl guard	Aluminum alloy
9	Filter bowl	PC
10	O-ring	NBR
11	Inner joint	POM
12	Condensate drain	POM
13	OF Body	Zinc alloy
14	Flange-OUT	Zinc alloy
15	O-ring	NBR
16	Plug	POM
17	O-ring	NBR
18	Allen screw	S35C

Flow diagram

Standard flow rate qn as a function of the output pressure p2



XA Series Air Source Treatment Unit

F.R.L Part list

XAR3000				XAF3000			
No	Name	Qty	Material	No	Name	Qty	Material
1	Regulator seat	1	ZZnA14-1	1	Regulator Body	1	Aluminum
2	O-ring	1	NBR	2	O-ring	1	NBR
3	O-ring	1	NBR	3	Whirlwing blade	1	ABS
4	Washer	1	Carbon steel	4	Filter Element	1	Brass
5	Spring	1	Stainless steel	5	Bolt blard	1	Carbon Steel
6	Retainer ring	1	Carbon steel	6	Drain blard	1	ABS
7	Valve core	1	Brass	7	Water cup	1	Poly Carbonate
8	Spool	1	Brass+NBR	8	Valve Core	1	Brass
9	Regulator Body	1	Aluminum	9	Spring	1	Stainless steel
10	Plug	1	Carbon steel	10	O-ring	1	NBR
11	O-ring	1	NBR	11	Drain valve	1	Brass
12	Retainer ring	1	Carbon steel	12	O-ring	1	NBR
13	Pipe	1	POM	13	Hex Nut	1	Brass
14	Diaphragm seat	1	Brass	14	Nut	1	Brass
15	Diaphragm	1	NBR	15	Bowl guard	1	Carbon steel
16	Spring seat	1	Carbon steel	16	Spring	1	Carbon steel
17	Spring	1	Carbon steel	17	Pin	1	ABS
18	Regulate Nut	1	Carbon steel	18	Lock	1	ABS
19	Washer	1	POM				
20	Regulate bolt	1	Carbon steel				
21	Valve cover	1	Reinforce nylon				
22	Spring washer	4	Carbon steel				
23	Cross screw	4	Carbon steel				
24	Nut	1	Reinforce nylon				
25	Symbol ring	1	Reinforce nylon				
26	Regulate handle	1	Reinforce nylon				

XAL3000				XAW3000			
No	Name	Qty	Material	No	Name	Qty	Material
1	Plug	1	ABS	1	Valve core	1	Brass
2	O-ring	1	NBR	2	Spring	1	Stainless steel
3	Oil regulate Screw	1	ABS	3	O-ring	1	NBR
4	Oil drop tube	1	Polycarbonate	4	Drain valve	1	Brass
5	O-ring	1	NBR	5	O-ring	1	NBR
6	Oil drop tube	1	Polycarbonate	6	Hex Nut	1	Brass
7	O-ring	1	NBR	7	Nut	1	Brass
8	Lubricator Body	1	Aluminum	8	Pin	1	ABS
9	Regulate needle	1	Brass	9	Lock	1	ABS
10	O-ring	1	NBR	10	Spring	1	Stain Steel
11	Oil regulate valve seat	1	Brass	11	Bowl guard	1	Carbon steel
12	Reed	1	Poly urethane	12	Whirlwing blade	1	ABS
13	Reed seat	1	ZZnA14-1	13	Filter element	1	Brass
14	Bracket	1	ZZnA14-1	14	Bolt	1	Carbon Steel
15	Small hole seat	1	Brass	15	Drain board	1	ABS
16	Steel Ball	1	Carbon steel	16	O-ring	1	Brass
17	Spring	1	Stainless steel	17	Water cup	1	Polycarbonate
18	One way valve seat	1	Brass	18	Diaphragm Pollet	1	Carbon steel
19	Reed seat board	1	ZZnA14-1	19	Diaphragm	1	NBR
20	Screw	2	Carbon steel	20	Diaphragm seat	1	Brass
21	Filter Element	1	NBR	21	Pipe	1	POM
22	O-ring	1	NBR	22	Retainer ring	1	Carbon steel
23	Middle Part	1	Aluminum	23	O-ring	1	NBR
24	Spring washer	4	Carbon steel	24	Regulator Body	1	Aluminum
25	Hex Screw	4	Carbon steel	25	Plug	1	Carbon steel
26	O-ring	1	NBR	26	Spool	1	Brass+NBR
27	Steel Ball	1	Carbon steel	27	Valve core	1	Brass
28	Fitting	1	POM	28	O-ring	1	NBR
29	Pin	1	Carbon steel	29	Retainer ring	1	Carbon steel
30	Oil tube	1	PU	30	Spring	1	Stain steel
31	O-ring	1	NBR	31	Overflow valve seat	1	ZZnA14-1
32	O-ring	1	NBR	32	Regulate handle	1	Reinforce nylon
33	Oil cup	1	Polycarbonate	33	Symbol ring	1	Reinforce nylon
34	Bowl guard	1	Carbon steel	34	Nut	1	Reinforce nylon
35	Spring	1	Stainless steel	35	Valve cover	1	Reinforce nylon
36	Pin	1	ABS	36	Cross screw	4	Carbon steel
37	Lock	1	ABS	37	Spring washer	4	Carbon steel
				38	Regulate Bolt	1	Carbon steel
				39	Washer	1	POM
				40	Regulate Nut	1	Carbon steel
				41	Spring	1	Carbon steel

XAC1000~5000 Series Air Source Treatment Unit(F.R.L Combination)



Ordering Code

XA	C	4000	04	□	□
Series XA series	Function code F.R.L Combination	Body Size 1000 2000 3000 4000 5000	Port Size M5:M5×0.8 01:G1/8" 02:G1/4" 03:G3/8" 04:G1/2" 06:G3/4" 10:G1"	Drain Type Blank:Manual D:Auto Drain Type (Available for 2000 or above)	Metal Cup U: With Iron Cup L: With Aluminum Cup (Available for 2000)

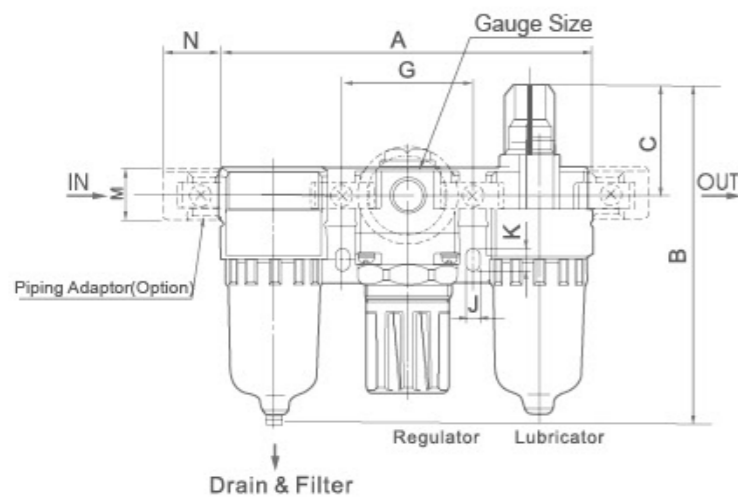
Specification

Model	XAC1000-M5	XAC2000-01	XAC2000-02	XAC3000-02	XAC3000-03	XAC4000-03	XAC4000-04	XAC4000-06	XAC5000-06	XAC5000-10	
Rated Flow(L/min)	90	500	500	2000	2000	4000	4000	4500	5000	5000	
Port Size	M5	G1/8"	G1/4"	G1/4"	G3/8"	G3/8"	G1/2"	G3/4"	G3/4"	G1"	
Filter Precision	25μ										
Highest Working Pressure	1.0MPa										
Ensured pressure Resistance	1.5MPa										
Operating Temperature Range	5~60℃										
Range of Adjustable Pressure	0.05~0.7MPa					0.05~0.85MPa					
Recommended Oil Use	ISO VG 32										
Container Material	Polycarbonate										
Protective Cover	Not Available					Available					
Drain Function	Differential Drain					Differential Drain/Automatic Drain					
Valve Type	With Over flow										
Composing Elements	Filter	XAF1000-M5	XAF2000-01	XAF2000-02	XAF3000-02	XAF3000-03	XAF4000-03	XAF4000-04	XAF4000-06	XAF5000-06	XAF5000-10
	Regulator	XAR1000-M5	XAR2000-01	XAR2000-02	XAR3000-02	XAR3000-03	XAR4000-03	XAR4000-04	XAR4000-06	XAR5000-06	XAR5000-10
	Lubricator	XAL1000-M5	XAL2000-01	XAL2000-02	XAL3000-02	XAL3000-03	XAL4000-03	XAL4000-04	XAL4000-06	XAL5000-06	XAL5000-10

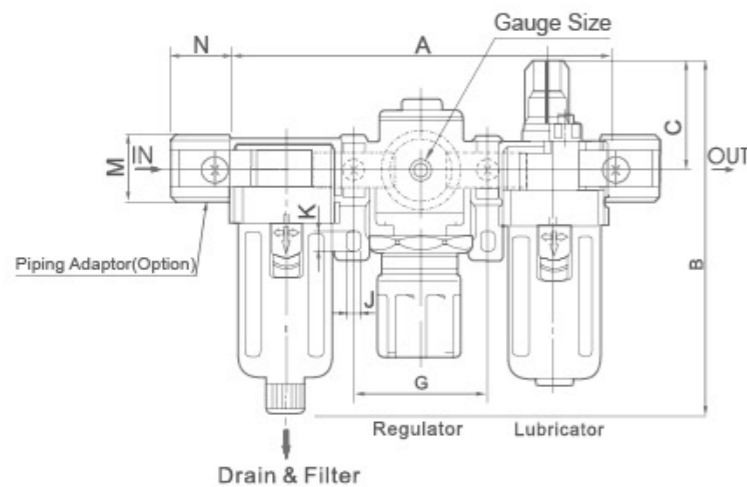
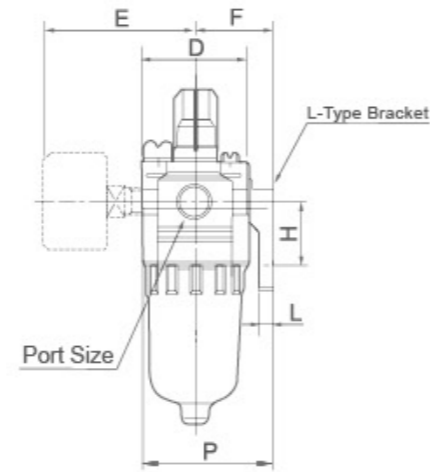
Note: We have upgraded Oil Drop Accessories on Lubricator of XA series 2000-5000 same to the XO series.

XAC1000~5000 Series Air Source Treatment Unit(F.R.L Combination)

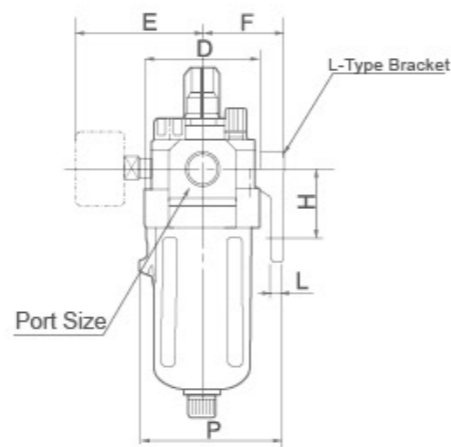
Overall Dimensions



XAC1010~2010



XAC3000~5000



Dimension Sheet

Model	Port Size(G)	A	B	C	D	E	F	G	H	J	K	L	M	N	P
XAC1000	M5	91	84.5	25.5	25	26	25	33	20	4.5	7.5	5	17.5	16	38.5
XAC2000	G1/8"~G1/4"	140	128.5	38	40	56.8	30	50	24	5.5	8.5	5	22	23	50
XAC3000	G1/4"~G3/8"	181	166	38	53	60.8	41	64	35	7	11	7	34.2	26	70.5
XAC4000	G3/8"~1/2"	238	201	41	70	65.5	50	84	40	9	13	7	42.2	33	88
XAC4000-06	G3/4"	253	201	40.5	70	69.5	50	89	40	9	13	7	46.2	36	88
XAC5000	G3/4"~G1"	300	276	48	90	75.5	70	105	50	12	16	10.5	55.5	40	115

XAC1010~5010 Series Air Source Treatment Unit(FR.L Combination)



Ordering Code

XA	C	4000	-	04	<input type="checkbox"/>	<input type="checkbox"/>
Series XA series	Function code F.R.L Combination	Body Size 1010 2010 3010 4010 5010		Port Size M5:M5×0.8 01:G1/8" 02:G1/4" 03:G3/8" 04:G1/2" 06:G3/4" 10:G1"	Drain Type Blank:Manual Drain Type D:Auto Drain Type (Available for 2000 or above)	Metal Cup U: With Iron Cup L: With Aluminum Cup (Available for 2000)

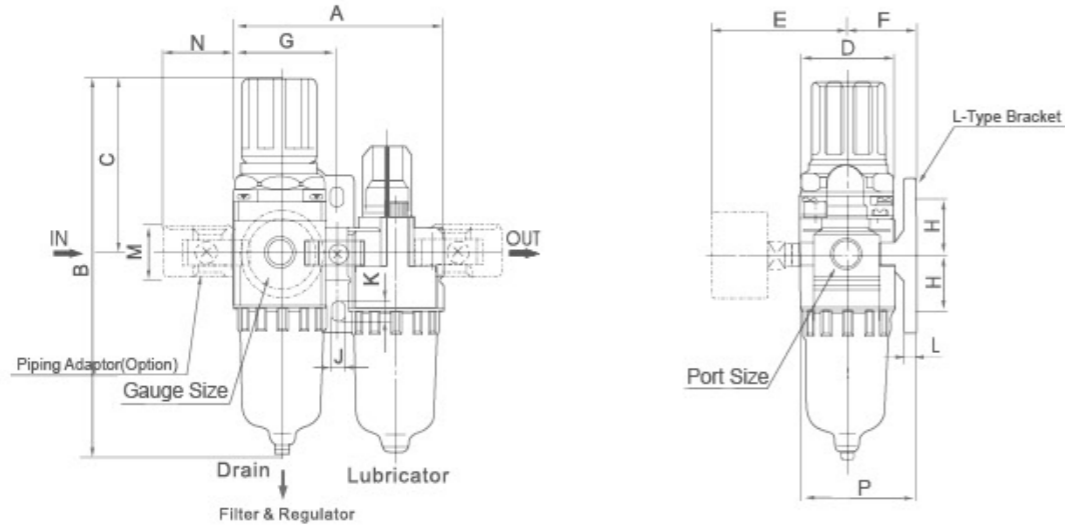
Specification

Model	XAC1010-M5	XAC2010-01	XAC2010-02	XAC3010-02	XAC3010-03	XAC4010-03	XAC4010-04	XAC4010-06	XAC5010-06	XAC5010-10
Rated Flow(L/min)	90	500	500	1700	1700	3000	3000	3000	4000	4000
Port Size	M5	G1/8"	G1/4"	G1/4"	G3/8"	G3/8"	G1/2"	G3/4"	G3/4"	G1"
Filter Precision	25μ									
Highest Working Pressure	1.0MPa									
Ensured pressure Resistance	1.5MPa									
Operating Temperature Range	5~60℃									
Range of Adjustable Pressure	0.05~0.7MPa					0.05~0.85MPa				
Recommended Oil Use	ISO VG 32									
Container Material	Polycarbonate									
Protective Cover	Not Available					Available				
Drain Function	Differential Drain					Differential Drain/Automatic Drain				
Valve Type	With Over flow									
Composing Elements	Filter&Regulator	XAW1000-M5	XAW2000-01	XAW2000-02	XAW3000-02	XAW3000-03	XAW4000-03	XAW4000-04	XAW4000-06	XAW5000-06
	Lubricator	XAL1000-M5	XAL2000-01	XAL2000-02	XAL3000-02	XAL3000-03	XAL4000-03	XAL4000-04	XAL4000-06	XAL5000-06

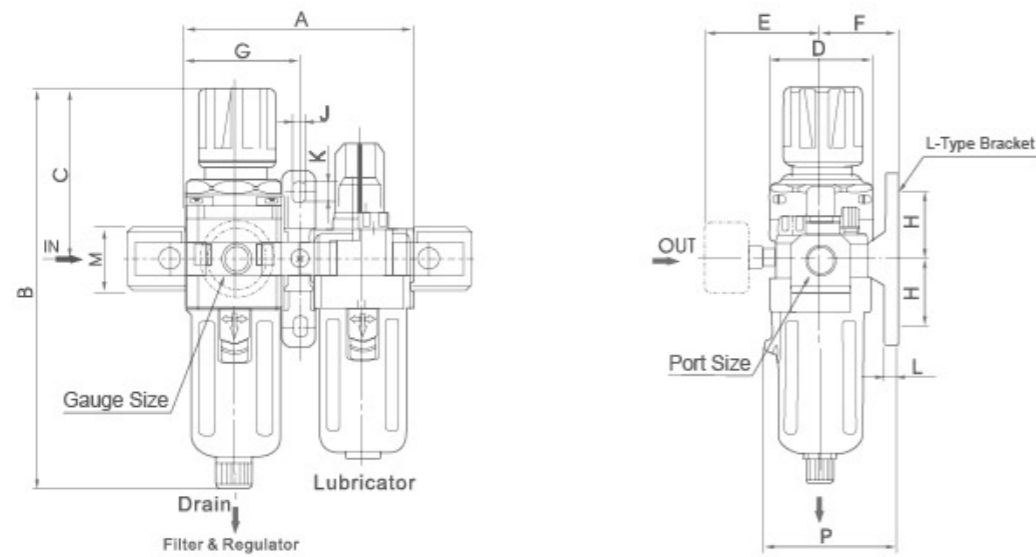
Note: We have upgraded Oil Drop Accessories on Lubricator of XA series 2000-5000 same to the XO series.

XAC1010~5010 Series Air Source Treatment Unit(FR.L Combination)

Overall Dimensions



XAC1010~2010



XAC3010~5010

Dimension Sheet

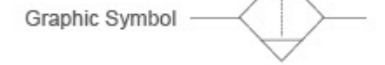
Model	Port Size(G)	A	B	C	D	E	F	G	H	J	K	L	M	N	P
XAC1010	M5	58	109.5	50.5	25	26	25	29	20	4.5	7.5	5	17.5	16	38.5
XAC2010	G1/8" ~G1/4"	90	164.5	78	40	56.8	30	45	24	5.5	8.5	5	22	23	50
XAC3010	G1/4" ~G3/8"	117	211	92.5	53	60.8	41	58.5	35	7	11	7	34.2	26	70.5
XAC4010	G3/8" ~1/2"	154	262	112	70	70.5	50	77	40	9	13	7	42.2	33	88
XAC4010-06	G3/4"	164	267	114	70	70.5	50	82	40	9	13	7	46.2	36	88
XAC5010	G3/4" ~G1"	195	338	116	90	75.5	69.8	97.5	50	12	16	10.5	55.5	40	115

XAF1000~5000 Series Air Filter



Ordering Code

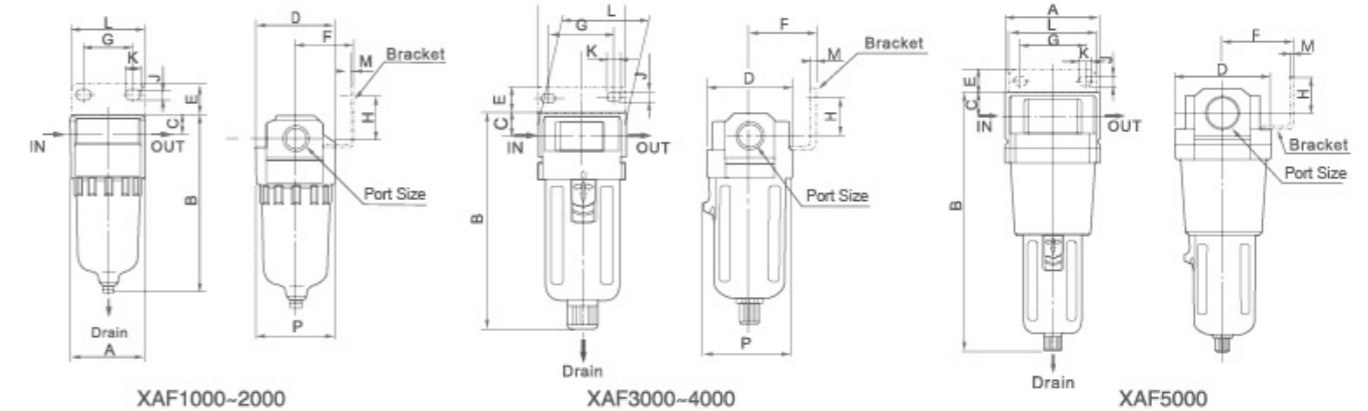
Series	Function code	Body Size	Port Size	Drain Type	Metal Cup
XA Series	Filter	1000 2000 3000 4000 5000	M5:M5×0.8 01:G1/8" 02:G1/4" 03:G3/8" 04:G1/2" 06:G3/4" 10:G1"	Blank:Manual Drain Type D:Auto Drain Type (Available for 2000 or above)	U: With Iron Cup L: With Aluminum Cup (Available for 2000)



Specification

Model	XAF1000 -M5	XAF2000 -01	XAF2000 -02	XAF3000 -02	XAF3000 -03	XAF4000 -03	XAF4000 -04	XAF4000 -06	XAF5000 -06	XAF5000 -10
Rated Flow(L/min)	110	750	750	1500	1500	4000	4000	6000	7000	7000
Port Size	M5	G1/8"	G1/4"	G1/4"	G3/8"	G3/8"	G1/2"	G3/4"	G3/4"	G1"
Filter Precision	25μ									
Highest Working Pressure	1.0MPa									
Ensured pressure Resistance	1.5MPa									
Operating Temperature Range	5~60℃									
Container Material	Polycarbonate									
Protective Cover	Not Available					Available				
Drain Function	Differential Drain					Differential Drain, Automatic Drain				

Overall Dimensions



Dimension Sheet

Model	Port Size(G)	A	B	C	D	E	F	G	H	J	K	L	M	P
XAF1000	M5	25	66	7	25	-	-	-	-	-	-	-	-	26.5
XAF2000	G1/8" ~G1/4"	40	97.5	11	40	17	30	27	22	5.4	8.4	40	2.3	40
XAF3000	G1/4" ~G3/8"	53	132.5	14	53	16	41	40	23	6.5	8	53	2.3	56
XAF4000	G3/8" ~1/2"	70	168.5	18	70	17	50	54	26	8.5	10.5	70	2.3	73
XAF4000-06	G3/4"	75	172.5	20	70	14	50	54	25	8.5	10.5	70	2.3	73
XAF5000	G3/4" ~G1"	90	247.5	24	90	23	66.5	66	35	11	13	90	3.2	90

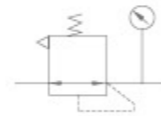
XAR 1000~5000 Series Regulator



Ordering Code

XA	R	4000	04
Series XA Series	Function code Regulator	Body Size 1000 2000 3000 4000 5000	Port Size M5:M5×0.8 01:G1/8" 02:G1/4" 03:G3/8" 04:G1/2" 06:G3/4" 10:G1"

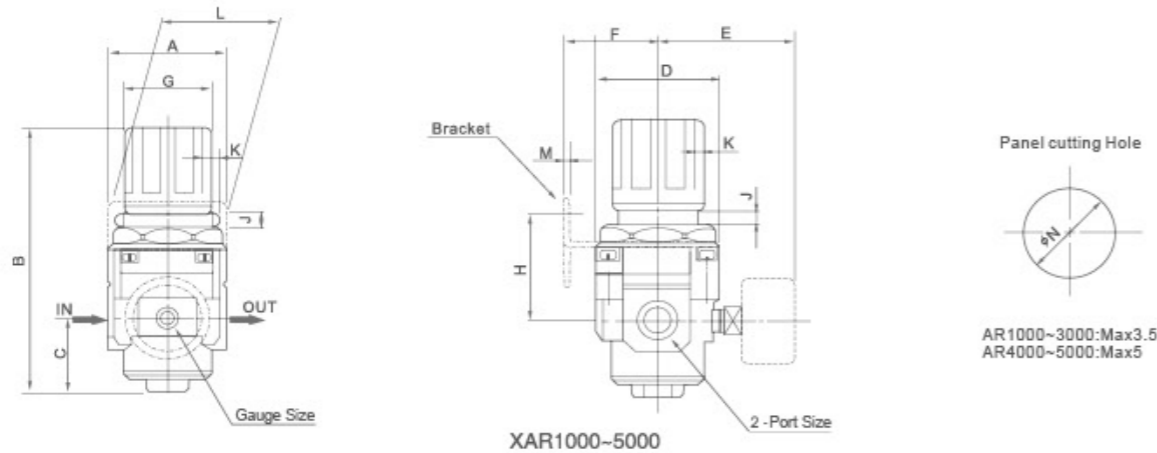
Graphic Symbol



Specification

Model	XAR1000 -M5	XAR2000 -01	XAR2000 -02	XAR3000 -02	XAR3000 -03	XAR4000 -03	XAR4000 -04	XAR4000 -06	XAR5000 -06	XAR5000 -10
Rated Flow	100	550	550	2500	2500	6000	6000	6000	8000	8000
Port Size	M5	G1/8"	G1/4"	G1/4"	G3/8"	G3/8"	G1/2"	G3/4"	G3/4"	G1"
Highest Working Pressure	0.7MPa					1.0MPa				
Ensured pressure Resistance						1.5MPa				
Operating Temperature Range	5~60℃									
Range of Adjustable Pressure	0.05~0.7MPa					0.05~0.85MPa				
Valve Type	With Overflow									

Overall Dimensions



Dimension Sheet

Model	Port Size (G)	A	B	C	D	E	F	G	H	J	K	L	M	N
XAR1000	M5	25	61.5	11	25	26	25	28	30	4.5	6.5	40	2	20.5
XAR2000	G1/8" ~G1/4"	40	95	17	40	56.8	30	34	44	5.4	15.4	55	2.3	33.5
XAR3000	G1/4" ~G3/8"	53	127.5	35	53	60.8	41	40	46	6.5	8	53	2.3	42.5
XAR4000	G3/8" ~1/2"	70	149.5	37.5	70	65.5	50	54	54	8.5	10.5	70	2.3	52.5
XAR4000-06	G3/4"	75	154	40.5	70	69.5	50	54	56	8.5	10.5	70	2.3	52.5
XAR5000	G3/4" ~G1"	90	168	48	90	75.5	70	66	65.8	11	13	90	3.2	52.5

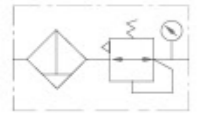
XAW 1000~5000 Series Filter & Regulator



Ordering Code

XA	W	4000	04	<input type="checkbox"/>	<input type="checkbox"/>
Series XA Series	Function code Filter & Regulator	Body Size 1000 2000 3000 4000 5000	Port Size M5:M5×0.8 01:G1/8" 02:G1/4" 03:G3/8" 04:G1/2" 06:G3/4" 10:G1"	Drain Type Blank:Manual Drain Type D:Auto Drain Type (Available for 2000 or above)	Metal Cup U: With Iron Cup L: With Aluminum Cup (Available for 2000)

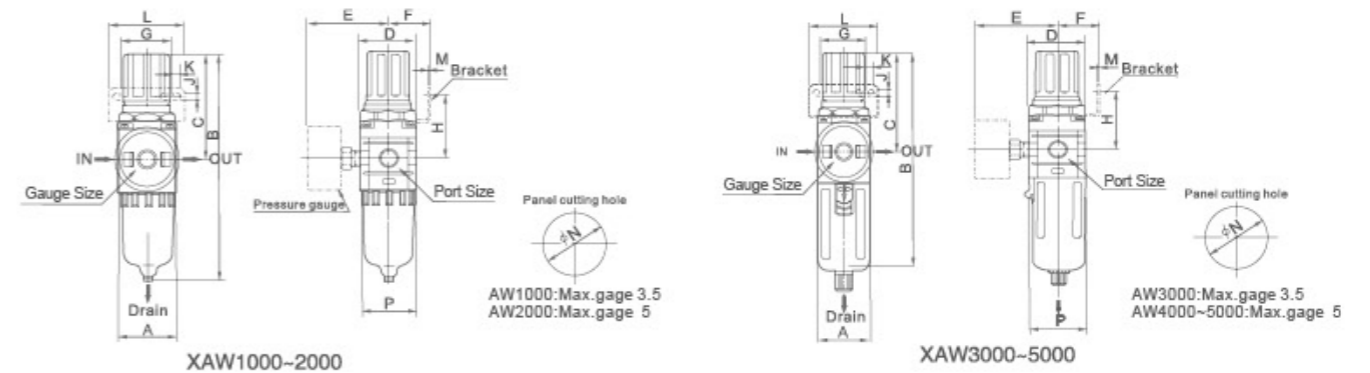
Graphic Symbol



Specification

Model	XAW1000 -M5	XAW2000 -01	XAW2000 -02	XAW3000 -02	XAW3000 -03	XAW4000 -03	XAW4000 -04	XAW4000 -06	XAW5000 -06	XAW5000 -10
Rated Flow(L/min)	100	550	550	2000	2000	4000	4000	4500	5500	5500
Port Size	M5	G1/8"	G1/4"	G1/4"	G3/8"	G3/8"	G1/2"	G3/4"	G3/4"	G1"
Filter Precision	25μ									
Highest Working Pressure	1.0MPa									
Ensured pressure Resistance	1.5MPa									
Operating Temperature Range	5~60℃									
Range of Adjustable Pressure	0.05~0.7MPa					0.05~0.85MPa				
Container Material	Polycarbonate									
Protective Cover	Not Available					Available				
Drain Function	Differential Drain					Differential Drain, Automatic Drain				
Valve Type	With Overflow									

Overall Dimensions



Dimension Sheet

Model	Port Size (G)	A	B	C	D	E	F	G	H	J	K	L	M	N	P
XAW1000	M5	25	109.5	50.5	25	26	25	28	30	4.5	6.5	40	2	20.5	28
XAW2000	G1/8" ~G1/4"	40	164.5	78	40	56.8	30	34	43.5	5.4	15.4	55	2.3	33.5	40
XAW3000	G1/4" ~G3/8"	53	211	92.5	53	60.8	41	40	46	6.5	8	53	2.3	42.5	56
XAW4000	G3/8" ~1/2"	70	262	112	70	70.5	50	54	53.5	8.5	10.5	70	2.3	52.2	73
XAW4000-06	G3/4"	75	267	114	70	70.5	50	54	55.5	8.5	10.5	70	2.3	52.5	73
XAW5000	G3/4" ~G1"	90	338	116	90	75.5	69.8	54	62	8.5	10.5	70	3.2	52.5	90

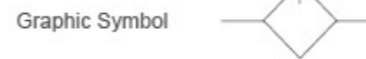
XAL 1000~5000 Series Lubricator



XAL5000-10 XAL4000-04 XAL2000-02

Ordering Code

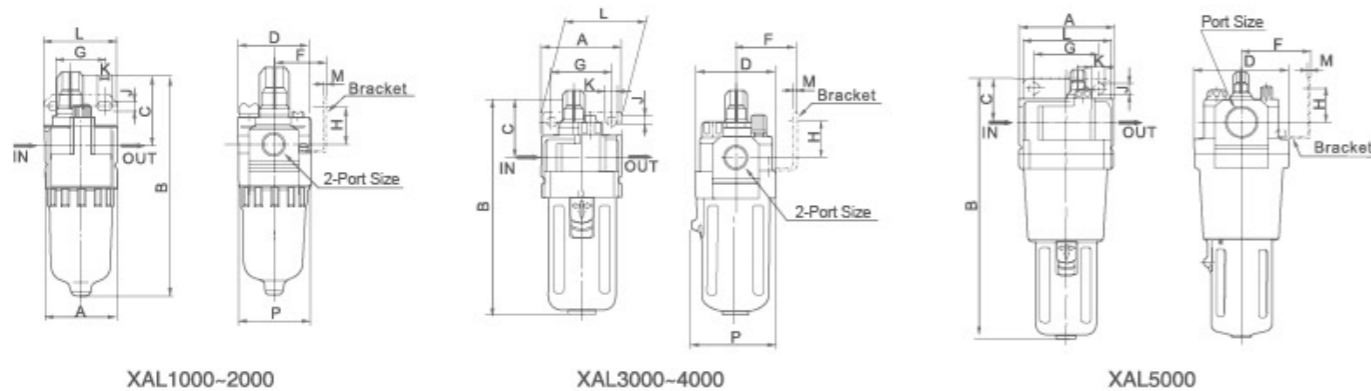
XA	L	4000	04	
Series XA Series	Function code Lubricator	Body Size 1000 2000 3000 4000 5000	Port Size M5:M5×0.8 01:G1/8" 02:G1/4" 03:G3/8" 04:G1/2" 06:G3/4" 10:G1"	Metal Cup U: With Iron Cup L: With Aluminum Cup (Available for 2000)



Specification

Model	XAL1000-M5	XAL2000-01	XAL2000-02	XAL3000-02	XAR3000-03	XAL4000-03	XAL4000-04	XAL4000-06	XAL5000-06	XAL5000-10
Rated Flow	95	800	800	1700	1700	5000	5000	6300	7000	9000
Port Size	M5	G1/8"	G1/4"	G1/4"	G3/8"	G3/8"	G1/2"	G3/4"	G3/4"	G1"
Highest Working Pressure	1.0MPa									
Ensured pressure Resistance	1.5MPa									
Operating Temperature Range	5~60℃									
Recommended Oil Use	ISO VG 32									
Container Material	Polycarbonate									
Protective Cover	Not Available					Available				

Overall Dimensions



Dimension Sheet

Model	Port Size (G)	A	B	C	D	F	G	H	J	K	L	M	P
XAL1000	M5	25	81.5	25.5	25	-	-	-	-	-	-	-	27
XAL2000	G1/8"~G1/4"	40	125.5	38	40	30	27	22	5.4	8.4	40	2.3	40
XAL3000	G1/4"~G3/8"	53	150	38	53	41	40	23	6.5	8	53	2.3	56
XAL4000	G3/8"~1/2"	70	185	41	70	50	54	26	8.5	10.5	70	2.3	73
XAL4000-06	G3/4"	75	185	39	70	50	54	25	8.5	10.5	70	2.3	73
XAL5000	G3/4"~G1"	90	260	45	90	66.5	66	35	11	13	90	3.2	90

Note: We have upgraded Oil Drop Accessories on Lubricator of XA series 2000-5000 same to the XO series.

XAF 8000~9000 Series Air Filter



XAF8000-14 XAF9000-20

Ordering Code

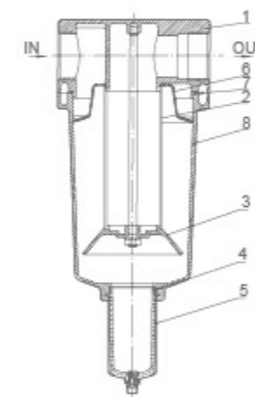
XA	F	8000	14	
Series XA Series	Function code Filter	Body Size 8000 9000	Port Size 12: G1 1/4" 14: G1 1/2" 20: G2"	Drain Type Blank: Manual D: Auto Drain Type

Specification

Model	XAF8000-12	XAF8000-14	XAF9000-20
Rated Flow(L/min)	11500	11500	18500
Port Size	G1 1/2"	G1 1/2"	G2"
Bowl Capacity(cm ³)	180		
Filter Precision	25μ		
Highest Working Pressure	1.0MPa		
Ensured pressure Resistance	1.5MPa		
Operating Temperature Range	5~60℃		
Container Material	Polycarbonate		
Protective Cover	Available		
Drain Function	Differential Drain		

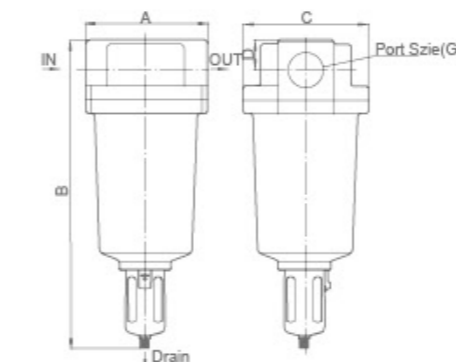
Under the circumstance that the supply pressure is 0.7MPa(7.1kgf/cm²)and step down is 0.5MPa(0.5kgf/cm²)

Internal structure



No.	Name	Material
1	Valve Body	Aluminum Die Casting
2	Filter	Brass
3	Drain Board	ADC12
4	O-ring	Rubber
5	Water Storage Cup(Shield)	Polycarbonate(Cold Rolled Sheet)
6	Whirlwind Blade	LY11
7	O-ring	Rubber
8	Middle Part	Aluminum Die Casting

Overall Dimensions



Dimension Sheet

Model	Port Size(G)	A	B	C	D
XAF8000	1 1/2	150	390	140	33
XAF9000	2	190	470	190	46

XAR 8000~9000 Series Regulator



XAR8000-14

XAR9000-20

Ordering Code

XA **R** **8000** — **14**

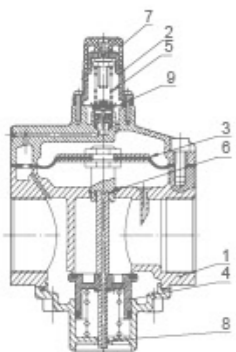
Series: XA Series Function code: Regulator Body Size: 8000, 9000 Port Size: 14: G1½", 20: G2"

Specification

Model	XAR8000-14	XAR9000-20
Rated Flow(L/min)	18000	22000
Port Size	G1½"	G2"
Highest Working Pressure	1.0MPa	
Ensured pressure Resistance	1.5MPa	
Operating Temperature Range	5~60℃	
Range of Adjustable Pressure	0.05~0.85MPa	
Valve Type	With Overflow	
Pressure Gauge size	1/4	

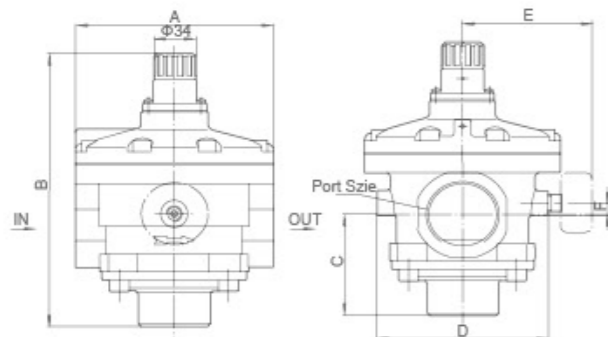
Under the circumstance that the supply pressure is 0.7MPa(7.1kgf/cm²)and step down is 0.5MPa(0.5kgf/cm²)

Internal structure



No.	Name	Material
1	Valve Body	Aluminum Die Casting
2	Bonnet	Aluminum Die Casting
3	Film	Rubber
4	Valve Core	Brass,Rubber
5	Spring	Stainless steel
6	O-ring	Rubber
7	Hand Wheel	Enhance nylon
8	O-ring	Rubber
9	Film	Rubber

Overall Dimensions



Dimension Sheet

Model	Port Size(G)	A	B
XAR8000	1½	Φ126	216
XAR9000	2	Φ160	242

Model	A	B	C	D
XAR8000	75	110	90.5	5
XAR9000	90	140	105.5	10

XG Series Air Source Treatment Unit

Ordering Code



Model	Port Size
XGC2-01	G1/8"
XGC2-02	G1/4"
XGC3-02	G1/4"
XGC3-03	G3/8"
XGC3-04	G1/2"

XGC2 **01** □ **L**

Series Code: Filter+Regulator+Lubricator Port Size Drain Type: Blank:Differential Drain, D:Automatic Drain Pressure Range: Blank:Standard, L:Low-Pressure Type

Ordering Code



Model	Port Size
XGWL2-01	G1/8"
XGWL2-02	G1/4"
XGWL3-02	G1/4"
XGWL3-03	G3/8"
XGWL3-04	G1/2"

XGWL2 **01** □ **L**

Series Code: Filter+Regulator+Lubricator Port Size Drain Type: Blank:Differential Drain, D:Automatic Drain Pressure Range: Blank:Standard, L:Low-Pressure Type

Ordering Code



Model	Port Size
XGFR2-01	G1/8"
XGFR2-02	G1/4"
XGFR3-02	G1/4"
XGFR3-03	G3/8"
XGFR3-04	G1/2"

XGFR2 **01** **L** □

Series Code: Filter+Regulator Port Size Pressure Range: Blank:Standard, L:Low-Pressure Type Bracket: Blank:Without bracket, J:With bracket

Ordering Code



Model	Port Size
XGF2-01	G1/8"
XGF2-02	G1/4"
XGF3-02	G1/4"
XGF3-03	G3/8"
XGF3-04	G1/2"

XGF2 **01** **D** **W**

Series Code: Filter Port Size Drain Type: Blank:Differential Drain, D:Automatic Drain Pressure Range: Blank:40µm, W:5µm

Ordering Code



Model	Port Size
XGL2-01	G1/8"
XGL2-02	G1/4"
XGL3-02	G1/4"
XGL3-03	G3/8"
XGL3-04	G1/2"

XGL2 **01** □

Series Code: Lubricator Port Size Thread Type: Blank: BSP, NPT: NPT, PT: PT

Ordering Code



Model	Port Size
XGR2-01	G1/8"
XGR2-02	G1/4"
XGR3-02	G1/4"
XGR3-03	G3/8"
XGR3-04	G1/2"

XGR2 **01** **L** □

Series Code: Regulator Port Size Pressure Range: Blank:Standard, L:Low-Pressure Type Bracket: Blank:Without bracket, J:With bracket

XMAC 2000~5000 Series Air Source Treatment Unit(F.R.L Combination)



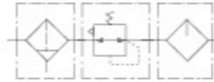
XMAC4000-04

XMAC2000-02

Ordering Code

XMA	C	3000	04	<input type="checkbox"/>
Series XMA Series	Function code Filter+Regulator+Lubricator	Specification Code 2000 3000 4000 5000	Port Size 01:G1/8" 02:G1/4" 03:G3/8" 04:G1/2" 06:G3/4" 10:G1"	Drain Type Blank:Manual Drain Type D:Auto Drain Type (Available for 3000 or above)

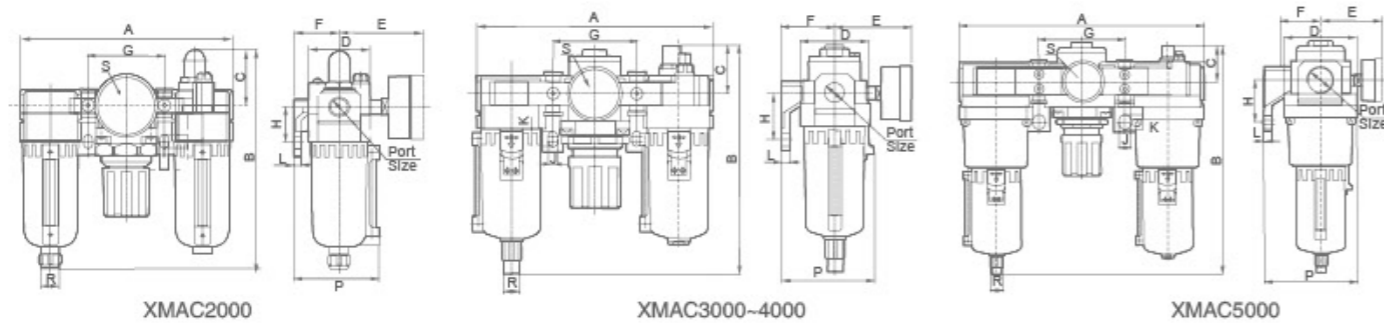
Graphic Symbol



Specification

Model	XMAC2000-01	XMAC2000-02	XMAC3000-02	XMAC3000-03	XMAC4000-03	XMAC4000-04	XMAC4000-06	XMAC5000-06	XMAC5000-10
Ensured Pressure Resistance	1.5MPa(15kgf/cm ²)								
Highest Working Pressure	1.0MPa(10kgf/cm ²)								
Operating Temperature Range	5~60℃								
Filter Precision	25μ & 5μ & 50μ								
Recommended Oil Use	Turbine NO.1 Oil ISOVG32								
Container Material	Aluminum Die Casting								
Pressure Regulating Range	0.05~0.85MPa(0.05~0.85kgf/cm ²)								
Valve Type	With Overflow								
Assembly	Filter	XMAF2000	XMAF3000	XMAF4000	XMAF4000-06	XMAF5000			
	Regulator	XMAR2000	XMAR3000	XMAR4000	XMAR4000-06	XMAR5000			
	Lubricator	XMAL2000	XMAL3000	XMAL4000	XMAL4000-06	XMAL5000			
Rated Flow(L/min)	500		2000		4000		4500		5000
Port Size(G)	1/8"	1/4"	1/4"	3/8"	3/8"	1/2"	3/4"	3/4"	1"

Overall Dimensions



Dimension Sheet

Model	Port Size (G)	A	B	C	D	E	F	G	H	J	K	L	P	R	S
XMAC2000	G1/8"-G1/4"	140	147	38	40	56.8	30	50	24	5.5	8.5	5	56	Φ6	G1/8
XMAC3000	G1/4"-G3/8"	181	178	38	53	60.8	41	64	35	7	11	7	70.5	Φ8	G1/8
XMAC4000	G1/2"	238	207	41	70	65.5	50	84	40	9	13	7	87.5	Φ8	G1/4
XMAC4000-06	G3/4"	253	208.5	40.5	70	69.5	50	89	40	9	13	7	87.5	Φ8	G1/4
XMAC5000	G3/4"-G1"	300	287	48	90	75.5	69.8	105	50	12	16	10.5	115	Φ8	G1/4

XMAC 2010~5010 Series Air Source Treatment Unit(FR.L Combination)



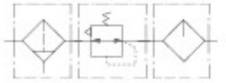
XMAC4010-04

XMAC2010-02

Ordering Code

XMA	C	3010	04	<input type="checkbox"/>
Series XMA Series	Function code FR.L Combination	Specification Code 2010 3010 4010 5010	Port Size 01:G1/8" 02:G1/4" 03:G3/8" 04:G1/2" 06:G3/4" 10:G1"	Drain Type Blank:Manual Drain Type D:Auto Drain Type (Available for 3000 or above)

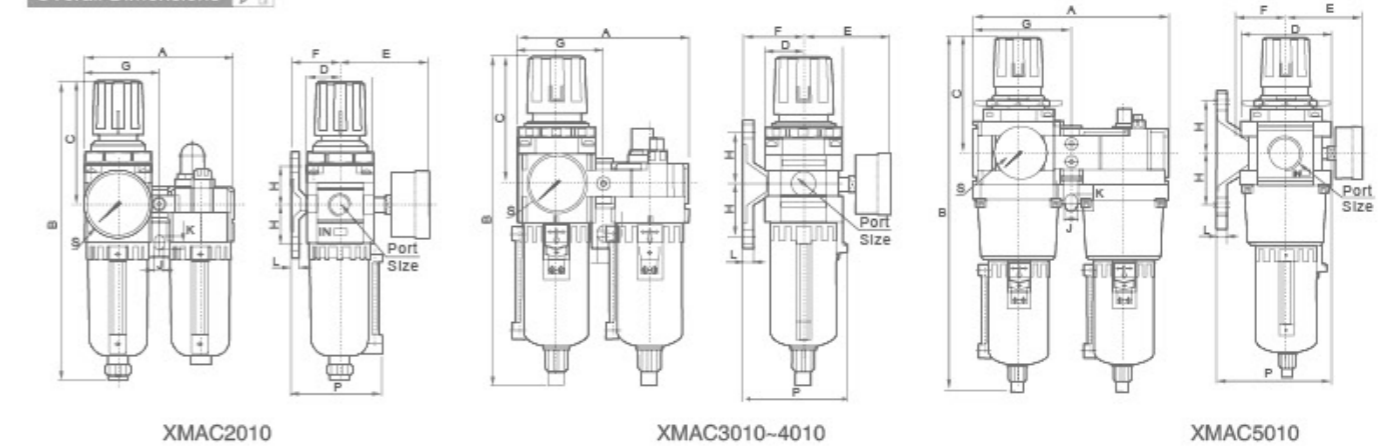
Graphic Symbol



Specification

Model	XMAC2010-01	XMAC2010-02	XMAC3010-02	XMAC3010-03	XMAC4010-03	XMAC4010-04	XMAC4010-06	XMAC5010-06	XMAC5010-06
Ensured Pressure Resistance	1.5MPa(15kgf/cm ²)								
Highest Working Pressure	1.0MPa(10kgf/cm ²)								
Operating Temperature Range	5~60℃								
Filter Precision	25μ & 5μ & 50μ								
Recommended Oil Use	Turbine NO.1 Oil ISOVG32								
Container Material	Aluminum Die Casting								
Pressure Regulating Range	0.05~0.85MPa(0.05~0.85kgf/cm ²)								
Valve Type	With Overflow								
Assembly	Filter with pressure reducer	XMAW2000	XMAW3000	XMAW4000	XMAW4000-06	XMAW5000			
	Lubricator	XMAR2000	XMAR3000	XMAR4000	XMAR4000-06	XMAR5000			
Rated Flow(L/min)	500		1700		3000		3000		4000
Port Size(G)	1/8"	1/4"	1/4"	3/8"	3/8"	1/2"	3/4"	3/4"	1"

Overall Dimensions



Dimension Sheet

Model	Port Size (G)	A	B	C	D	E	F	G	H	J	K	L	P	S
XMAC2010	G1/8"-G1/4"	90	186.5	78	40	56.8	30	45	24	5.5	8.5	5	56	G1/8
XMAC3010	G1/4"-G3/8"	117	232.5	92.5	53	60.8	41	58.5	35	7	11	7	69.5	G1/8
XMAC4010	G1/2"	154	277	112	70	65.5	50	77	40	9	13	7	87.5	G1/4
XMAC4010-06	G3/4"	164	282.5	114	70	69.5	50	82	40	9	13	7	87.5	G1/4
XMAC5010	G3/4"-G1"	195	353.5	116	90	75.5	69.8	97.5	50	12	16	10.5	115	G1/4

XMAW 2000~5000 Series Filter & Regulator

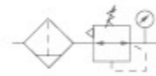


XMAW4000-04 XMAW2000-02

Ordering Code

XMA	W	3000	04	
Series XMA Series	Function code Filter&Regulator	Specification Code 2000 3000 4000 5000	Port Size 01:G1/8" 02:G1/4" 03:G3/8" 04:G1/2" 06:G3/4" 10:G1"	Drain Type Blank:Manual D:Auto Drain Type (Available for 3000 or above)

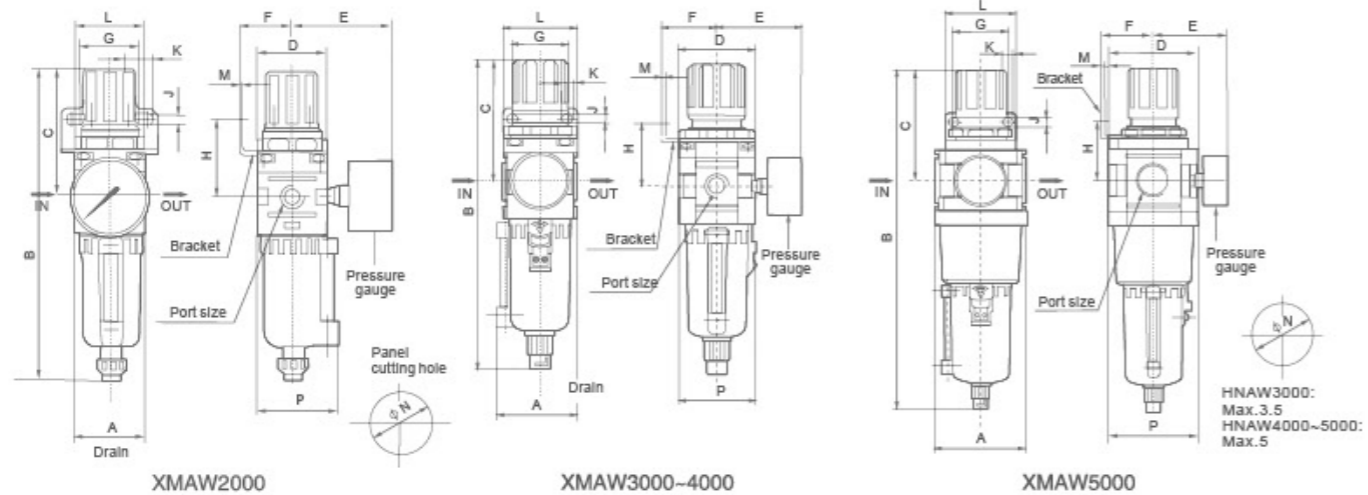
Graphic Symbol



Specification

Model	XMAW2000-01	XMAW2000-02	XMAW3000-02	XMAW3000-03	XMAW4000-03	XMAW4000-04	XMAW4000-06	XMAW5000-06	XMAW5000-10
Ensured Pressure Resistance	1.5MPa(15kgf/cm ²)								
Highest Working Pressure	1.0MPa(10kgf/cm ²)								
Operating Temperature Range	5~60℃								
Filter Precision	25μ & 5μ & 50μ								
Container Material	Aluminum Die Casting								
Pressure Regulating Range	0.05~0.85MPa(0.5~0.85kgf/cm ²)								
Valve Type	With Overflow								
Rated Flow(L/min)	550		2000		4000		4500		5500
Port Size(G)	1/8'	1/4'	1/4'	3/8'	3/8'	1/2'	3/4'	3/4'	1'
Pressure Gauge Size	1/8		1/8		1/4		1/4		1/4

Overall Dimensions



Dimension Sheet

Model	Port Size(G)	A	B	C	D	E	F	G	H	J	K	L	M	P
XMAW2000	G1/8"-G1/4"	40	186.5	78	40	56.8	30	34	43.5	5.4	15.4	55	2.3	46
XMAW3000	G1/4"-G3/8"	57.5	232.5	92.5	53	60.8	39	40	46	6.5	8	53	2.3	55
XMAW4000	G1/2"	74	278	112	70	70.5	49.2	54	53.5	8.5	10.5	70	2.3	72.5
XMAW4000-06	G3/4"	76.5	282	114	70	70.5	49.2	54	55.5	8.5	10.5	70	2.3	72.5
XMAW5000	G3/4"-G1"	90	355	116	90	75.5	49.2	54	62	8.5	10.5	70	2.3	90

XMAF 2000~5000 Series Air Filter



XMAF4000-04 XMAF2000-02

Ordering Code

XMA	F	3000	04	
Series XMA Series	Function code Filter	Specification Code 2000 3000 4000 5000	Port Size 01:G1/8" 02:G1/4" 03:G3/8" 04:G1/2" 06:G3/4" 10:G1"	Drain Type Blank:Manual D:Auto Drain Type (Available for 3000 or above)

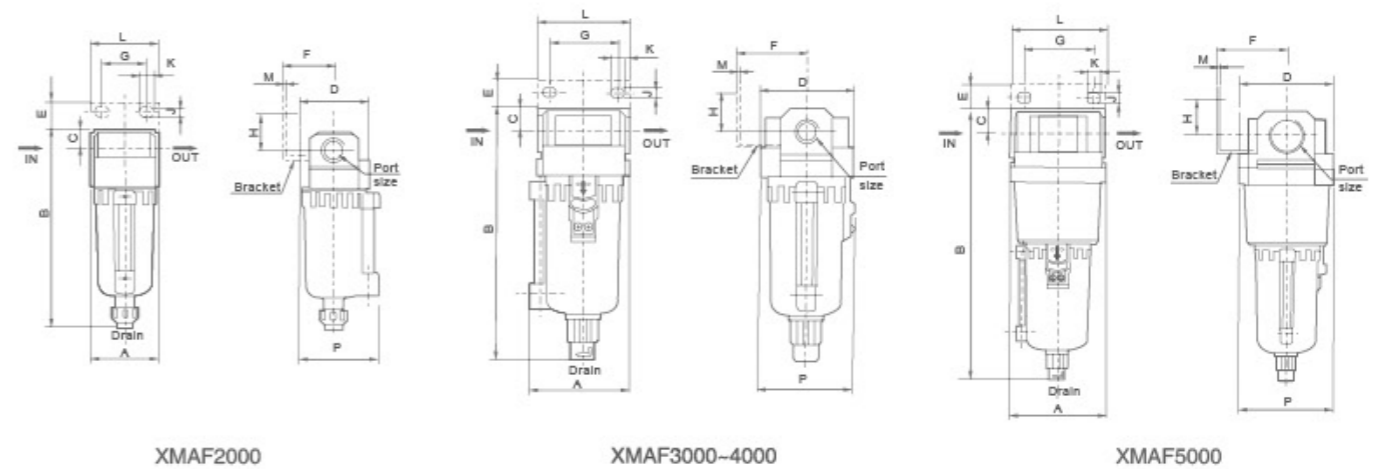
Graphic Symbol



Specification

Model	XMAF2000-01	XMAF2000-02	XMAF3000-02	XMAF3000-03	XMAF4000-03	XMAF4000-04	XMAF4000-06	XMAF5000-06	XMAF5000-10
Ensured Pressure Resistance	1.5MPa(15kgf/cm ²)								
Highest Working Pressure	1.0MPa(10kgf/cm ²)								
Operating Temperature Range	5~60℃								
Filter Precision	25μ & 5μ & 50μ								
Container Material	Aluminum Die Casting								
Rated Flow(L/min)	750		1500		4000		6000		7000
Port Size(G)	1/8'	1/4'	1/4'	3/8'	3/8'	1/2'	3/4'	3/4'	1'
Bowl Capacity	15		20		45		45		130

Overall Dimensions



Dimension Sheet

Model	Port Size(G)	A	B	C	D	F	G	H	J	K	L	M	P
XMAF2000	G1/8"-G1/4"	40	119.5	11	40	17	27	22	5.4	8.4	40	2.3	46
XMAF3000	G1/4"-G3/8"	57.4	154	14	53	16	40	23	6.5	8	53	2.3	55
XMAF4000	G1/2"	74	184	18	70	17	54	26	8.5	10.5	70	2.3	72.5
XMAF4000-06	G3/4"	76.5	188	20	70	14	54	25	8.5	10.5	70	2.3	72.5
XMAF5000	G3/4"-G1"	90	263	24	90	23	66	35	11	13	90	3.2	90

XMAL 2000~5000 Series Lubricator



XMAL4000-04 XMAL2000-02

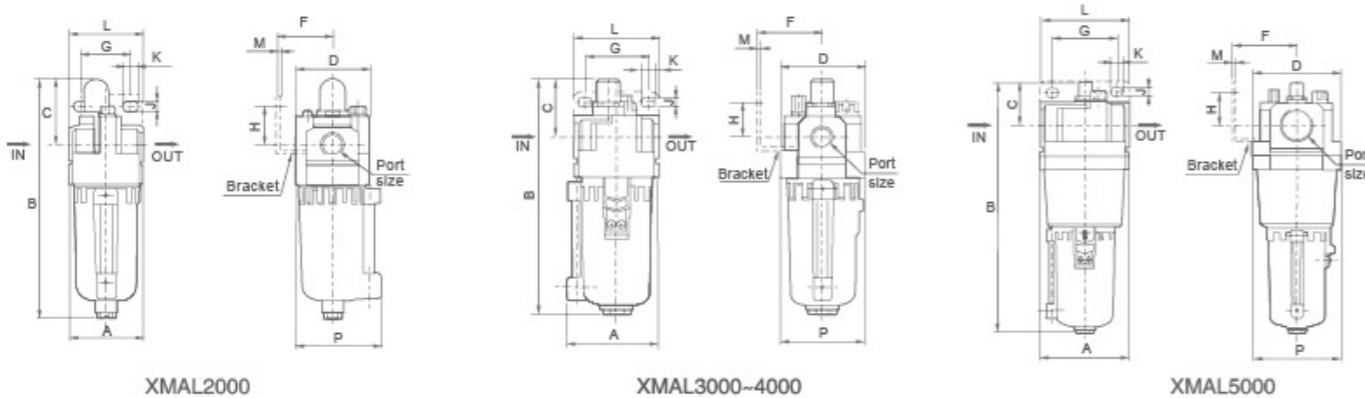
Ordering Code	XMA	L	3000	04
Series	XMA Series	Function code	Lubricator	Specification Code
				Port Size
			2000	01:G1/8"
			3000	02:G1/4"
			4000	03:G3/8"
			5000	04:G1/2"
				06:G3/4"
				10:G1"



Specification

Model	XMAL2000-01	XMAL2000-02	XMAL3000-02	XMAL3000-03	XMAL4000-03	XMAL4000-04	XMAL4000-06	XMAL5000-06	XMAL5000-10
Ensured Pressure Resistance	1.5MPa(15kgf/cm ²)								
Highest Working Pressure	1.0MPa(10kgf/cm ²)								
Operating Temperature Range	5~60℃								
Recommended Oil Use	Turbine NO.1 Oil ISOVG32								
Container Material	Aluminum Die Casting								
Minimal Flow of Oil Drop(L/min)	15	30	40	40	50	50	190	190	190
Rated Flow(L/min)	800	1700	1700	1700	5000	6300	7000	7000	7000
Port Size(G)	1/8"	1/4"	1/4"	3/8"	3/8"	1/2"	3/4"	3/4"	1"
Bowl Capacity	25	50	50	130	130	130	130	130	130

Overall Dimensions



Dimension Sheet

Model	Port Size(G)	A	B	C	D	F	G	H	J	K	L	M	P
XMAL2000	G1/8"-G1/4"	40	137	39	50	30	27	22	5.4	8.4	40	2.3	40
XMAL3000	G1/4"-G3/8"	57.5	154.5	39	53	41	40	23	6.5	8	53	2.3	55
XMAL4000	G1/2"	74	185.5	41	70	50	54	26	8.5	10.5	70	2.3	72.5
XMAL4000-06	G3/4"	76.5	185.5	39	70	50	54	25	8.5	10.5	70	2.3	72.5
XMAL5000	G3/4"-G1"	90	262.5	45	90	66.5	66	35	11	13	90	3.2	90

AC,BC Series Air Source Treatment Unit(F.R.L Combination)



BC4000 AC2000

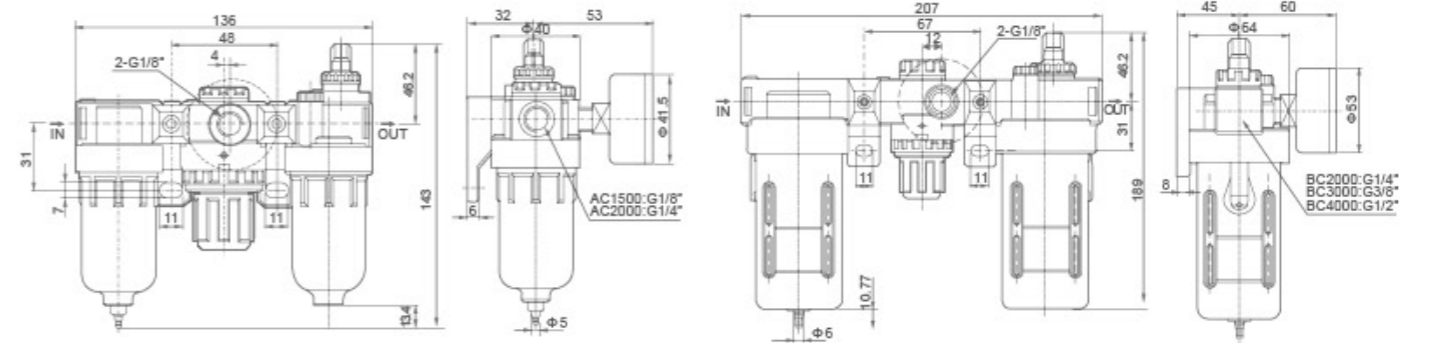
Ordering Code	BC	3000	□
Series	AC:Small Size	BC:Middle Size	Drain Type
			Blank:Manual Drain Type
			D:Auto Drain Type
		Port Size	
		1500:G1/8"	
		2000:G1/4"	
		3000:G3/8"	
		4000:G1/2"	



Specification

Model	AC1500	AC2000	BC2000	BC3000	BC4000	
Operating Fluid	Air					
Port Size	G1/8"	G1/4"	G1/4"	G3/8"	G1/2"	
Filtering Element Roughness	40μ					
Range of Adjustable Pressure	0.05~0.85MPa					
Max Adjustable Pressure	0.95MPa					
Ensured Pressure Resistance	1.5MPa					
Operating Temperature Range	5~60℃					
Capacity of Filter Cup	15 cc		60 cc			
Capacity of Oil Feed Cup	25 cc		90 cc			
Suggested Lube	ISO VG 32 or Same Grade Oil					
Material	Body					
	Aluminum Die-casting Forming					
	Container Cup					
	PE					
	Protective Cup Cover					
	Iron					
Composing Elements	Filter	AF1500	AF2000	BF2000	BF3000	BF4000
	Regulator	AR1500	AR2000	BR2000	BR3000	BR4000
	Lubricator	AL1500	AL2000	BL2000	BL3000	BL4000

Overall Dimensions



AC Series

BC Series

AFC,BFC Series Air Source Treatment Unit(FR.L Combination)



BFC4000

AFC2000

Ordering Code

BFC

Series
AFC:Small Size
BFC:Middle Size

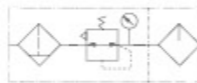
3000

Port Size
1500:G1/8"
2000:G1/4"
3000:G3/8"
4000:G1/2"

□

Drain Type
Blank:Manual Drain Type
D:Auto Drain Type

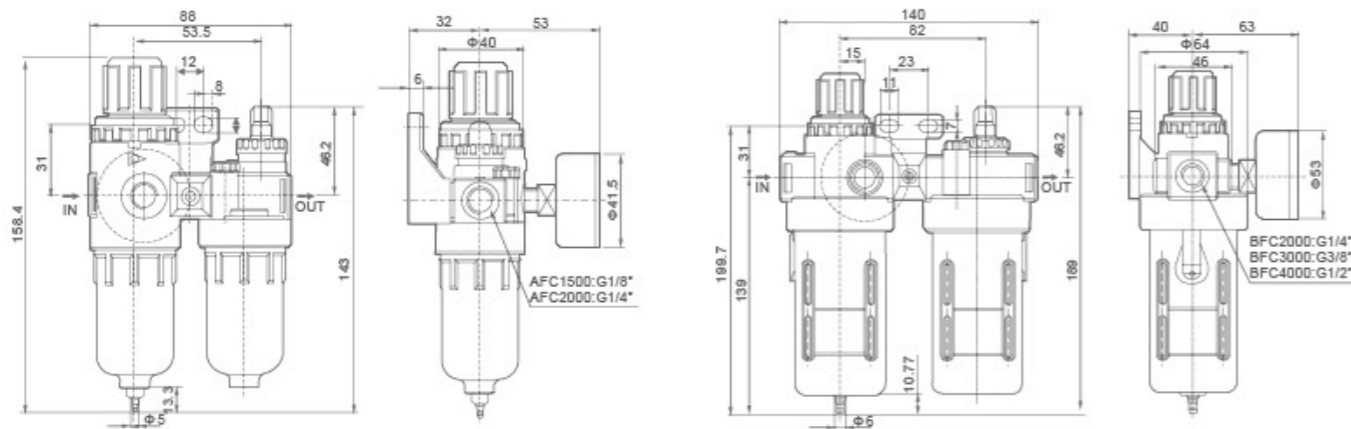
Graphic Symbol



Specification

Model	AFC1500	AFC2000	BFC2000	BFC3000	BFC4000	
Operating Fluid	Air					
Port Size	G1/8"	G1/4"	G1/4"	G3/8"	G1/2"	
Filtering Element Reughness	40μ					
Range of Adjustable Pressure	0.05~0.85MPa					
Max Adjustable Pressure	0.95MPa					
Ensured Pressure Resistance	1.5MPa					
Operating Temperature Range	5~60℃					
Capacity of Filter Cup	15 cc			60 cc		
Capacity of Oil Feed Cup	25 cc			90 cc		
Suggested Lube	ISO VG 32 or Same Grade Oil					
Material	Body	Aluminum Die-casting Forming				
	Container Cup	PE				
	Protective Cup Cover			Iron		
Composing Elements	Filter & Regulator	AFR1500	AFR2000	BFR2000	BFR3000	BFR4000
	Lubricator	AL1500	AL2000	BL2000	BL3000	BL4000

Overall Dimensions



AFC Series

BFC Series

AFR,BFR Series Filter&Regulator



BFR4000

AFR2000

Ordering Code

BFR

Series
AC:Small Size
BC:Middle Size

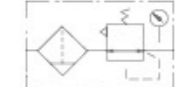
3000

Port Size
1500:G1/8"
2000:G1/4"
3000:G3/8"
4000:G1/2"

□

Drain Type
Blank:Manual Drain Type
D:Auto Drain Type

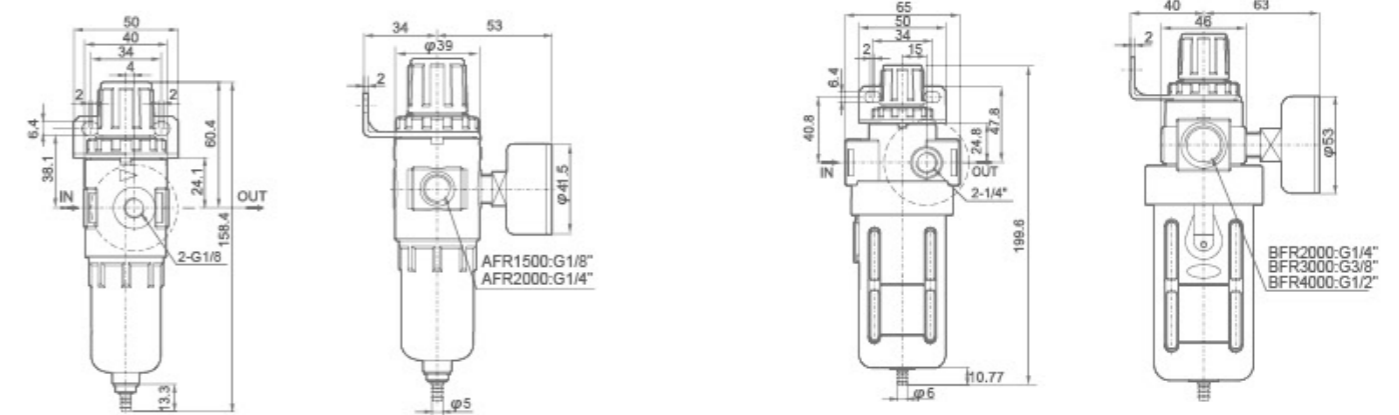
Graphic Symbol



Specification

Model	AFR1500	AFR2000	BFR2000	BFR3000	BFR4000
Operating Fluid	Air				
Port Size	G1/8"	G1/4"	G1/4"	G3/8"	G1/2"
Range of Adjustable Pressure	0.05~0.85MPa				
Max Adjustable Pressure	0.95MPa				
Ensured Pressure Resistance	1.5MPa				
Operating Temperature Range	5~60℃				
Capacity of Filter Cup	15 cc			60 cc	
Material	Body	Aluminum Die-casting Forming			
	Container Cup	PE			
	Protective Cup Cover			Iron	

Overall Dimensions



AFR Series

BFR Series

AF,BF Series Air Filter



BF4000



AF2000

Ordering Code

BF

Series
AF:Small Size
BF:Middle Size

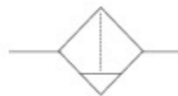
3000

Port Size
1500:G1/8"
2000:G1/4"
3000:G3/8"
4000:G1/2"

□

Drain Type
Blank:Manual Drain Type
D:Auto Drain Type

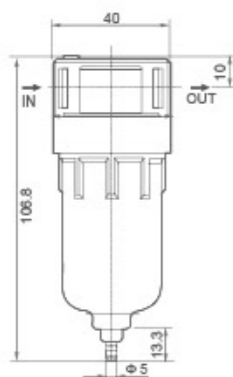
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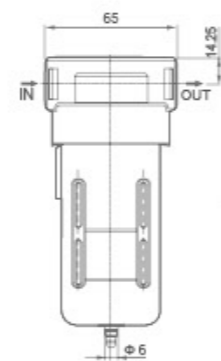
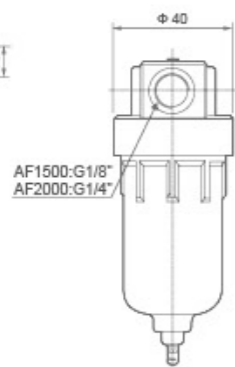
Specification

Model	AF1500	AF2000	BF2000	BF3000	BF4000
Operating Fluid	Air				
Port Size	G1/8"	G1/4"	G1/4"	G3/8"	G1/2"
Filtering Element Reughness	40μ				
Ensured Pressure Resistance	1.5MPa				
Operating Temperature Range	5~60℃				
Capacity of Filter Cup	15cc			60 cc	
Material	Body	Aluminum Die-casting Forming			
	Container Cup	PE			
	Protective Cup Cover	Iron			

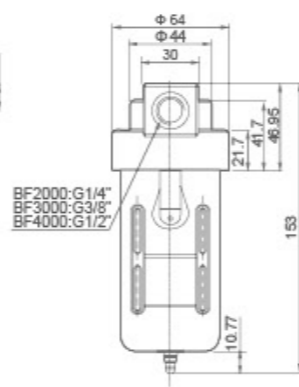
Overall Dimensions



AF Series



BF Series



AR,BR Series Regulator



BR4000



AR2000

Ordering Code

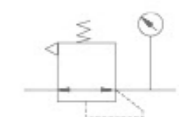
BR

Series
AR:Small Size
BR:Middle Size

2000

Port Size
1500:G1/8"
2000:G1/4"
3000:G3/8"
4000:G1/2"

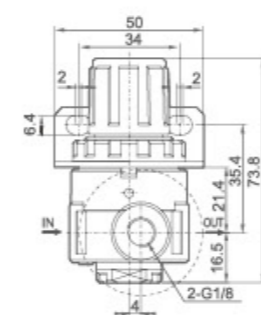
Graphic Symbol



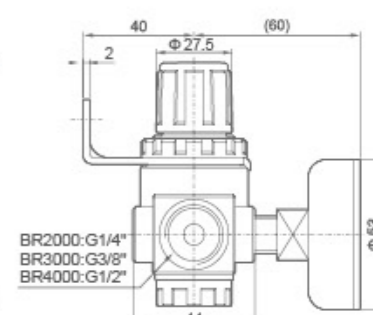
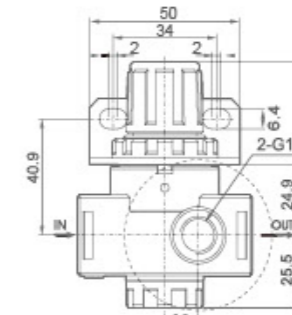
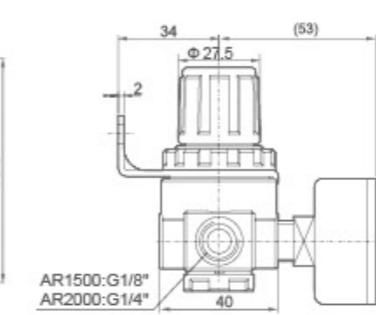
Specification

Model	AR1500	AR2000	BR2000	BR3000	BR4000
Operating Fluid	Air				
Port Size	G1/8"	G1/4"	G1/4"	G3/8"	G1/2"
Range of Adjustable Pressure	0.05~0.85MPa				
Max Adjustable Pressure	0.95MPa				
Ensured Pressure Resistance	1.5MPa				
Operating Temperature Range	5~60℃				
Material of Body	Aluminum Die-casting Forming				

Overall Dimensions



AR Series



BR Series

AL, BL Series Lubricator



Ordering Code

BL
Series
AL: Small Size
BL: Middle Size

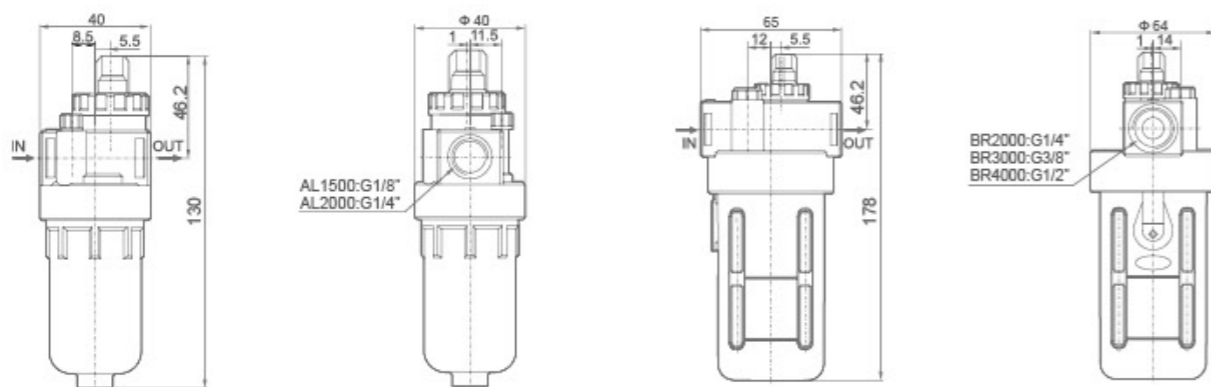
2000
Port Size
1500: G1/8"
2000: G1/4"
3000: G3/8"
4000: G1/2"



Specification

Model	AL1500	AL2000	BL2000	BL3000	BL4000
Operating Fluid	Air				
Port Size	G1/8"	G1/4"	G1/4"	G3/8"	G1/2"
Ensured Pressure Resistance	1.5MPa				
Operating Temperature Range	5~60°C				
Suggested Lube	ISO VG 32 or Same Grade Oil				
Capacity of Oil Feed Cup	25cc		90 cc		
Material	Body		Aluminum Die-casting Forming		
	Container Cup		PE		
	Protective Cup Cover		Iron		

Overall Dimensions



AL Series

BL Series

XAC Series Air Source Treatment Unit



Ordering Code

Model	Port Size
XACT300-08A	PT1/4"
XACT300-10A	PT3/8"
XACT400-08A	PT1/4"
XACT400-10A	PT3/8"
XACT400-15A	PT1/2"

XAC	T	300	10A	D
Series Code XAC Series	Function Code F.R.L Comblanation	Specification Code 300 400	Port Size 08A: 1/4" 10A: 3/8" 15A: 1/2"	Drain Type Blank: Manually Drain Type D: Auto Drain Type D (Only For 400)



Ordering Code

Model	Port Size
XACP300-08A	PT1/4"
XACP300-10A	PT3/8"
XACP400-08A	PT1/4"
XACP400-10A	PT3/8"
XACP400-15A	PT1/2"

XAC	P	300	10A	D
Series Code XAC Series	Function Code F.R.L Comblanation	Specification Code 300 400	Port Size 08A: 1/4" 10A: 3/8" 15A: 1/2"	Drain Type Blank: Manually Drain Type D: Auto Drain Type D (Only For 400)



Ordering Code

Model	Port Size
XACFR300-08A	PT1/4"
XACFR300-10A	PT3/8"
XACFR400-08A	PT1/4"
XACFR400-10A	PT3/8"
XACFR400-15A	PT1/2"

XAC	FR	300	10A	D
Series Code XAC Series	Function Code Filter & Regulator	Specification Code 300 400	Port Size 08A: 1/4" 10A: 3/8" 15A: 1/2"	Drain Type Blank: Manually Drain Type D: Auto Drain Type D (Only For 400)



Ordering Code

Model	Port Size
XACF300-08A	PT1/4"
XACF300-10A	PT3/8"
XACF400-08A	PT1/4"
XACF400-10A	PT3/8"
XACF400-15A	PT1/2"

XAC	F	300	10A	D
Series Code XAC Series	Function Code Filter	Specification Code 300 400	Port Size 08A: 1/4" 10A: 3/8" 15A: 1/2"	Drain Type Blank: Manually Drain Type D: Auto Drain Type D (Only For 400)



Ordering Code

Model	Port Size
XACL300-08A	PT1/4"
XACL300-10A	PT3/8"
XACL400-08A	PT1/4"
XACL400-10A	PT3/8"
XACL400-15A	PT1/2"

XAC	L	300	10A
Series Code XAC Series	Function Code Lubricator	Specification Code 300 400	Port Size 08A: 1/4" 10A: 3/8" 15A: 1/2"



Ordering Code

Model	Port Size
XACR300-08A	PT1/4"
XACR300-10A	PT3/8"
XACR400-08A	PT1/4"
XACR400-10A	PT3/8"
XACR400-15A	PT1/2"

XAR	L	300	10A
Series Code XAC Series	Function Code Regulator	Specification Code 300 400	Port Size 08A: 1/4" 10A: 3/8" 15A: 1/2"

H Series High Pressure Filter & Regulator



QFRH-25

Ordering Code

QFRH - **15**

High pressure Filter & Regulator

Connection
8:G1/4" 10:G3/8"
15:G1/2" 20:G3/4"
25:G1"



Specification

Model	QFRH-8,10,15,20,25
Operating Fluid	Air
Filtering Element Roughness	20µm or 40µm
Range of Adjustable Pressure	0.15~3.5MPa
Max. Input pressure	4MPa
Operating Temperature Range	5~80℃

H Series High Pressure Regulator



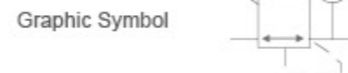
QTYH-25

Ordering Code

QTYH - **15**

High pressure Regulator

Connection
8:G1/4" 10:G3/8"
15:G1/2" 20:G3/4"
25:G1"



Specification

Model	QTYH-8,10,15,20,25
Operating Fluid	Air
Range of Adjustable Pressure	0.05~3.5MPa
Max. Input pressure	4MPa
Operating Temperature Range	-25~80℃

H Series High Pressure Filter



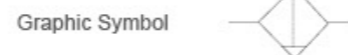
QSLH-15

Ordering Code

QSLH - **15**

High Pressure Filter

Port Size
8:G1/4"
10:G3/8"
15:G1/2"
20:G3/4"
25:G1"



Specification

Model	QSLH-8,10,15,20,25
Operating Fluid	Air
Filtering Element Roughness	20µm or 40µm
Working of Adjustable Pressure	0.15~3.5MPa
Max. Input pressure	4MPa
Operating Temperature Range	-25~80℃

PIR Series Precision Regulator



PIR2010-02

Port Size G1/8",G1/4",G3/8"
Standard Type, Auto Drain Type and Metal Cup as Optional.

Designed to be compact and light weight with high output flow and precise setting pressure, Can be mounted easily with bracket or assemble with XA series F.R.L.



Ordering Code

PIR - **20** - **00** - **02**

Series	PIR series	Body Size	10 20 30	Pressure Range	00(0.005~0.2Mpa) 10(0.05~0.4Mpa) 20(0.01~0.8Mpa)	Port Size	01:G1/8" 02:G1/4" 03:G3/8" 04:G1/2"
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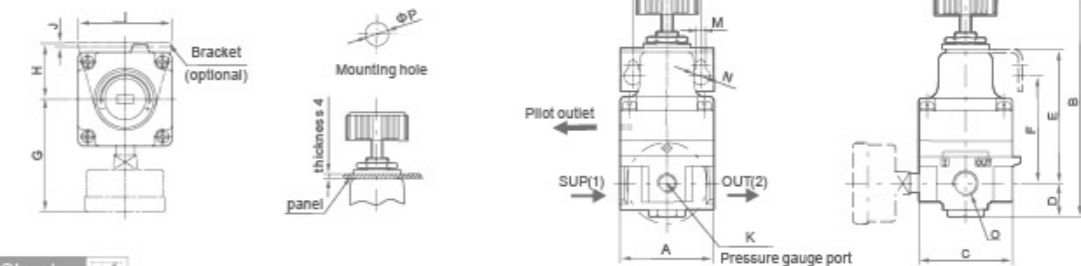
Order Example

- 1):PIR Series, Valve Body: 20;Port Size:G1/4, Pressure Range:10,Model:PIR-2010-02
- 1):PIR Series,Valve Body:30,Port Size:G1/2, Pressure Range:20,Model:PIR-3010-04

Specification

Model	PIR1000-01	PIR1010-01	PIR1020-01	PIR2000-02	PIR2010-02	PIR2020-02	PIR3000-03/04	PIR3010-03/04	PIR3020-03/04
Pressure Range	0.005~0.2	0.01~0.4	0.01~0.8	0.005~0.2	0.01~0.2	0.01~0.8	0.01~0.2	0.01~0.4	0.01~0.8
Port Size	G1/8"			G1/4"			G3/8", G1/2"		
Air consumption	Max 3.5L/min			Max 3.1L/min			Max 9.5L/min	Outlet: Max 2L/min	
Minimum pressure	Setting pressure+0.05			Setting pressure+0.05			Setting pressure+0.05		
Maximum pressure	1.0MPa								
Sensitivity	Within 0.2% of full span								
Repeatability	Within ±0.5% of full span								
Ambient and Fluid Temperature	-5~+60℃ (with no freezing)								
Pressure Gauge Port	G1/8"								

Overall Dimensions



Dimension Sheet

Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
PIR1000-01	35	90	35	10	51	44	43	25	42	2	G1/8	28	4.5	Φ8.5	G1/8	Φ10.5
PIR1010-01	35	90	35	10	51	44	43	25	42	2	G1/8	28	4.5	Φ8.5	G1/8	Φ10.5
PIR1020-01	35	90	35	10	51	44	43	25	42	2	G1/8	28	4.5	Φ8.5	G1/8	Φ10.5
PIR2000-02	50	123	50	18	71	63	60	30	50	2	G1/8	36	5.5	Φ9.5	G1/8	Φ12.5
PIR2010-02	50	123	50	18	71	63	60	30	50	2	G1/8	36	5.5	Φ9.5	G1/8	Φ12.5
PIR2020-02	50	123	50	18	71	63	60	30	50	2	G1/8	36	5.5	Φ9.5	G1/8	Φ12.5
PIR3000-03	66	148	66	22	76	76	68	48	82	2.3	G1/8	60	9	Φ15.5	G3/8	Φ12.5
PIR3010-03	66	148	66	22	76	76	68	48	82	2.3	G1/8	60	9	Φ15.5	G3/8	Φ12.5
PIR3020-03	66	148	66	22	76	76	68	48	82	2.3	G1/8	60	9	Φ15.5	G3/8	Φ12.5

XS Series Air Source Treatment Unit



XSFC-200

Ordering Code

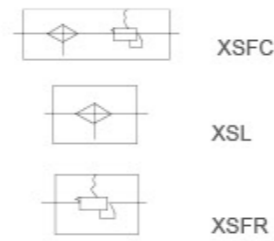
XS — **FC** — **200**

Series
XS series

Function code
FC:Filter&Regulator+Lubricator
FR:Regulator&Filter
L:Lubricator

Port Size
200:G1/4"
300:G3/8"
400:G1/2"

Graphic Symbol



Specification

Model	XSFC/FR/L-200	XSFC/FR/L-300	XSFC/FR/L-400
Port Size	G1/4"	G3/8"	G1/2"
Pressure Gauge Bore	G1/8"	G1/8"	G1/8"
Ensured Pressure Resistance	1.5MPa		
Highest Working Pressure	1.0MPa		
Environment and Fluid Temperature	5~60℃		
Protective Cover	Available		

The product have the function of filter,regulator and lubricator.It's stucture tightly,flow rate largely,output steadily and installation simply.The element has pressure gauge,installation bracket and lubricator. The lubricator can non-stop gas.All have the cup shape protect cover.Use safe and appearance elegant.

XN Series Air Source Treatment Unit



XNFC07-200

XNFR07-200

XNF07-200

XNL07-200

XNR07-200

Specification

Model	XNFC07-200	XNFR07-200	XNF07-200	XNL07-200	XNR07-200
Operating Fluid	Compressed Air				
Range of Adlutable Pressure	0-0.8Mpa				
Operating Temperature Range	-20~50℃				
Joint pipe bore	G1/4"				

XC Series Air Source Treatment Unit



XC104-C

Ordering Code

XC — **1** — **04** — **C** — **5**

Series
XC Series

Specification
1=G1/4"
2=G3/8", G1/2"
04=G1"

Port Size
04=G1/4"
38=G3/8"
02=G1/2"
01=G1"

Group Type
C=D+L
E=V+D+L
G=D+L+AVP
HNA=V+D+L+AVP+PRESS NO
HNC=V+D+L+AVP+PRESS NC
N=V+D
p=D+AVP
Q=V+D+AVP
T=V+D+L+AVP
U=F13+FB3(Only G3/8, G1/2,G1)
ZNA=V+D+AVP+PRESS NO
ZNA=V+D+AVP+PRESS NC

Filter Precision
5=5μm
25=25μm

Specification

Structure Type	Compact-Type
Material	Al-alloy, Brass, Nylon, NBR
Port Size	G1/4", G3/8", G1/2", G1"
Installation Type	Upright place.board connection or wall installation
Working Temperature	5~60℃ (1MPa)
Surface Coat	Painted

XC Series Filter,Reguator & Lubricator Combination Code

D	Regulator&Filter Combination 0-1 Mpa Semi-auto drain,filter precision 5μm or 25μm	AVP	Electricity control soft startvalve
		PRESS	Pressure switch(NC or NO)
V	Two-position three-way separate valve	F13	Filter auto drain(only G3/8,G1/2,G1)filter precision 5μm or 25 μm
L	Lubricator	Fb3	Gather Filter auto drain(only G3/8",G1/2",G1")

XU Series Air Source Treatment Unit



XUC-04

XUWL-04

XUW-04

Ordering Code

XU — **C** — **02** — **□**

Series
XU Series

Function code
C:Filter+Regulator+Lubricator
WL:Filter&Regulator+Lubricator
W:Filter&Regulator
R:Regulator
F:Filter
L:Lubricator

Port Size
02:G1/4"
03:G3/8"
04:G1/2"
06:G3/4"
08:G1"

Drain Type
Blank:Manual
D:Auto Drain Type

Specification

Model	XUC/WL/W-02	XUC/WL/W-03	XUC/WL/W-04	XUC/WL/W-06	XUC/WL/W-08
	XUF/R/L-02	XUF/R/L-03	XUF/R/L-04	XUF/R/L-06	XUF/R/L-08
Port Size	G1/4"	G3/8"	G1/2"	G3/4"	G1"
Gauge	1/4"				
Operating Fluid	Air				
Pressure Range	0.05~0.85MPa				
Max.Flow rate(Nl/min)	2050		2500	7900	8100
Ambient Temperature	-10~60℃				
Filter Precision	Standard:20μm				
Oil Recommended	Turbine oil(ISO VG32)				
Cup Material	Polycarbonate				
Structure	Diston tpye				

XVHS Series Venting Safety Lock-out Valve



XVHS2000-02



XVHS3000-03



Graphic Symbol



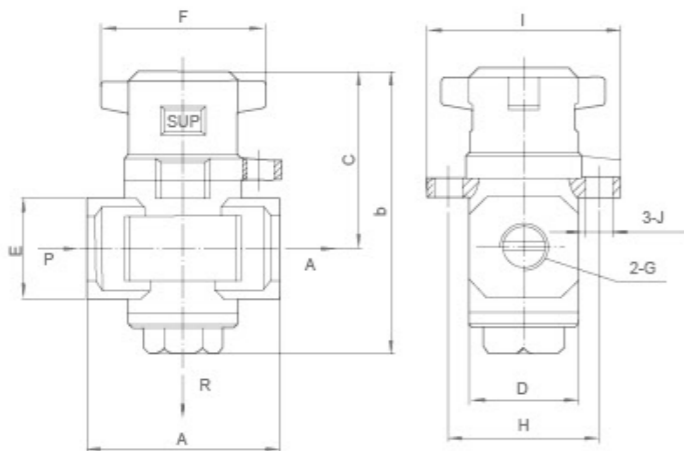
Ordering Code

X	VHS	3000	03
XCPC Product	Venting Softing Lock-out Valve Code	Body Size	Port Size
		2000	01:G1/8"
		3000	02:G1/4"
		4000	03:G3/8"
		5000	04:G1/2"
			06:G3/4"
			10:G1"

Features

It is easy to be maintained because it can realise the pressure of the hypo-pressure side when it is working. It can ensure the safety of the maintenance man because of the lockup function.

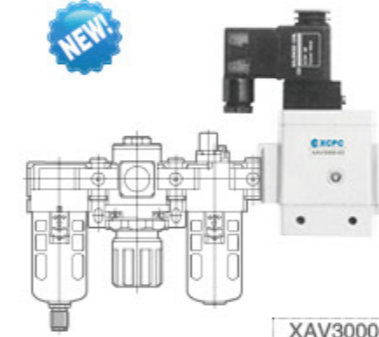
Overall Dimensions



Dimension Sheet

Model	G	Vent size	A	B	C	D	E	F	H	I	J
XVHS2000-01	G1/8	G1/8	40	59	39	28	22	40	32	41	Φ6
XVHS2000-02	G1/4	G1/8	40	59	39	28	22	40	32	41	Φ6
XVHS3000-02	G1/4	G1/4	53	78	49	30	28	45	41.5	53	Φ7.5
XVHS3000-03	G3/8	G1/4	53	78	49	30	28	45	41.5	53	Φ7.5
XVHS4000-03	G3/8	G3/8	70	84	52	36	36	45	41.5	53	Φ7.5
XVHS4000-04	G1/2	G3/8	70	84	52	36	36	45	41.5	53	Φ7.5
XVHS5000-06	G3/4	G1/2	90	136	72	54	48	68	77	90	Φ8.5
XVHS5000-10	G1	G1/2	90	136	72	54	48	68	77	90	Φ8.5

XAV 2000~5000 Series Slow Start Valve



XAV3000-03

Ordering Code

X	AV	2000	02	G	AC220V	G
XCPC Product	Solv Start Valve Code	Body Size	Thread Type	Optional	Standard Voltage	Plug Mode
		2000	Blank:G	Blank:Without Gauge	AC110V	G:Grommet type
		3000	R:RC	G:With Gauge	AC220V	D:DIN Type
		4000	N:NPT		DC12V	
		5000			DC24V	
	Type of Control				Other	
	Blank: Solenoid					
	A: Pneumatic					
			Port Size			
			02:G1/4"			
			03:G3/8"			
			04:G1/2"			
			06:G3/4"			
			10:G1"			

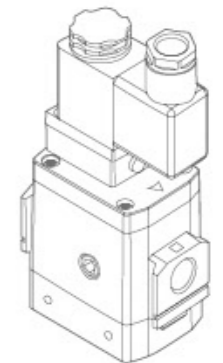
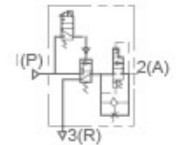
Features

This is a differential balanced valve automatically opens the air port fully when the downstream pressure is about 50% of the upstream pressure. Without a pilot, the upstream air flows downstream through the regulation needle. When an external or pneumatic solenoid signal is generated, the valve opens the main port to create full flow. It doesn't relieve the downstream circuit.

Specification

Model	XAV2000-02	XAV3000-03	XAV4000-04	XAV5000-06	XAV5000-10
Port Size	G1/4"	G3/8"	G1/2"	G3/4"	G1"
Effective sectional area (mm ²)	1(P)-2(A) 24	37 49	61 76	113 132	122 141
Applicable Pressure Range	0.3~1.0MPa				
Ambient and Fluid Temperature	0~60°C				
Coil voltage rating	DC24V, 12V, AC220, 110V				
Allow voltage fluctuation	Rated voltage-15%~+10%				
Coil insulation class	B level or the same level				
DC/Consumed power DC	3W				
AC/Apparent power AC	Start:5.6VA Keep: 3.4VA				
Port size of cap for pneumatic version	G1/8				
Lowest pressure for pneumatic version	0.2MPa				

Graphic Symbol



XAMC Series Exhaust Cleaner



Specification

Model	XAMC220-02	HAMC320-02	HAMC320-03	HAMC520-04	HAMC520-06
Port Size	G1/4	G1/4	G3/8	G1/2	G3/4
Effective sectional area(mm ²)	12	16	16	55	55
Maximum flow processing(L/min)	200	300	300	1000	1000
Model	XAMC220-02	HAMC320-02	HAMC320-03	HAMC520-04	HAMC520-06
Ambient and Fluid Temperature	5~60°C				
Muffling Effect	More than 35 decibel				
Oil mist recovery effect	More Than 99.9%				
Recycling of oil mist walk way	Female thread hole				
Element one time test pressure	< 0.1MPa				

Instructions

1. Must be installed in a vertical position.
2. The filter element should be changed, When the Inlet pressure is 0.1 MPa or used more than 1 year.
3. No exposure to organic solvents.

Features

1. XAMC exhaust cleaning machine is the new generation of energy conservation and environmental protection products.
2. Used to absorb exhaust noise, recover the waste oil and water, to keep clean.
3. Mainly used to collect the noise and oil mist from the whole system.

HAD402 Series Auto Drain



HAD402-04

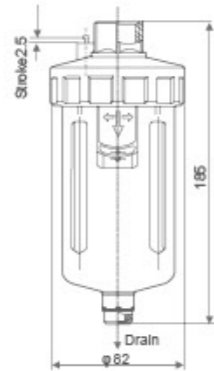
Graphic Symbol



Specification

Model	HAD402-02	HAD402-03	HAD402-04
Ensured Pressure Resistance		1.5MPa	
Operating Pressure		0.15MPa~1.00MPa	
Ambient and Fluid Temperature		5~60℃	
Port Size	G1/4"	G3/8"	G1/2"
Drain Bore		G1/8"	
Drain Status		Normal Open type	
Working Medium		Compressed Air	

Overall Dimensions



Range of Application:

This product often applies to auto remove the see per at the lower places of piping, frozen type air drying machine, oil separator, air storage tanks and the bottom of various air filters. It can be installed in the places inconvenient for manual discharge of sewage, such as higher, lower and narrow places, especially there large consumption of air or frequent water drains. It can prevent the compressed air being re-polluted by con-dense water resulting from neglect of manual drain.

Features:

- Auto Drain/Air Shutoff Drain/Manual Drain
- The water cup is provided with metal protective cover

Points for Attention:

When using, the drainer should be installed vertically the drain port facing down

SAH402 Series High Pressure Auto Drain



SAH402-04

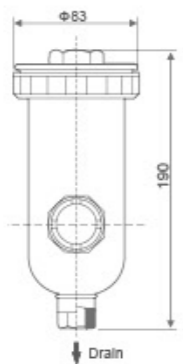
Graphic Symbol



Specification

Model	SAH402-02	SAH402-03	SAH402-04
Ensured Pressure Resistance		2.5MPa	
Operating Pressure		0.15MPa~2.00MPa	
Ambient and Fluid Temperature		5~60℃	
Port Size	G1/4"	G3/8"	G1/2"
Drain Bore	G1/8"	G1/4"	G3/8"
Drain Status		Normal Open type	
Working Medium		Compressed Air	

Overall Dimensions



Range of Application:

This product serves as a drainer for high-pressure air source system and functions to divert water for the whole pipeline system. It is generally used for the equipment inconvenient for manual discharge of water or comparatively high frequency of water discharge such as the low spots of pipeline, freezing type air drier and the water deposit place of air chamber etc.

Features:

- Auto Drain
- Metal protective cover with view window

Points for Attention:

When using, the drainer should be installed vertically the drain port facing down.

XADV Series Auto Drain



XADV 300-FN



XADV 300-FW



XADV 400-FW(BC-FW)



XADV 400-FN(BC-FN)



XADV 200-G10(AC-G10)



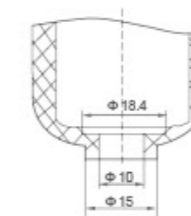
XADV-MA-G14



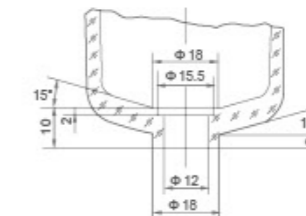
XADV 400-G12 (XADV BC-GN16)



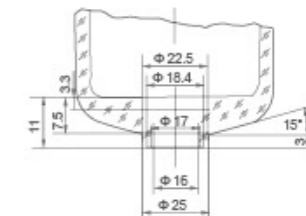
XADV 300-G12 (XADV 300-G14)



XADV-200(AC)



ADV-300



XADV-(BC)

Ordering Code

XADV	200	FN/W
Series	Machine Type	Drain Principle
XADV Series	200 Series 300 Series 400 Series BC Series	F: Floating ball Type N: Female Thread W: Male Thread

Ordering Code

XADV	200	G10
Series	Machine Type	Drain Principle
XADV Series	200 Series 300 Series 400 Series BC Series MA Series AC Series	G: Level Type (10, 12, 14, 16 Number Stands for inner diameter of equipped water cup)

Range of Application:

This product is installed at the bottom of water cups for auto dischargers, air filters and air filter regulators and can auto discharge the condense water gathered in the water cup.

Technical Requirements:

Working medium: Compressed air
Ambient and media temperature: 5~60℃
Operating pressure range: 0.15~1.00Mpa

Features:

- Auto drainer/Air Shut off Drain/Manual Drain

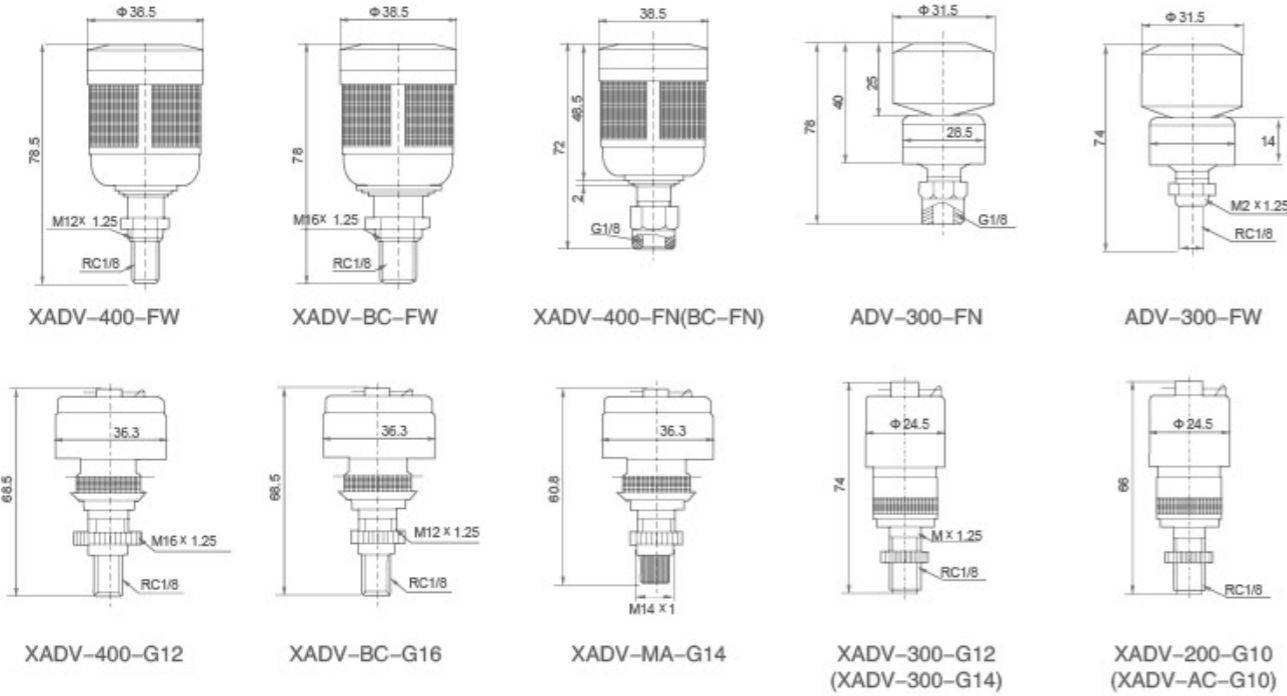
Points for Attention:

When using, the drainer should be installed vertically the drain port facing down.

Dimensional Drawing of Water Cup Connecting Part

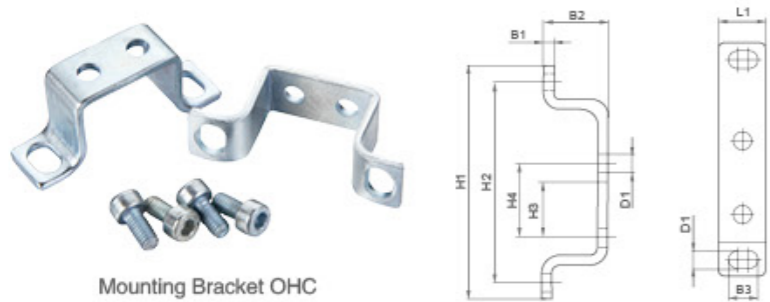
XADV Series Auto Drain

Ordering Code



XADV-400-FW XADV-BC-FW XADV-400-FN(BC-FN) ADV-300-FN ADV-300-FW
 XADV-400-G12 XADV-BC-G16 XADV-MA-G14 XADV-300-G12 (XADV-300-G14) XADV-200-G10 (XADV-AC-G10)

XO Series Air Unit Accessories

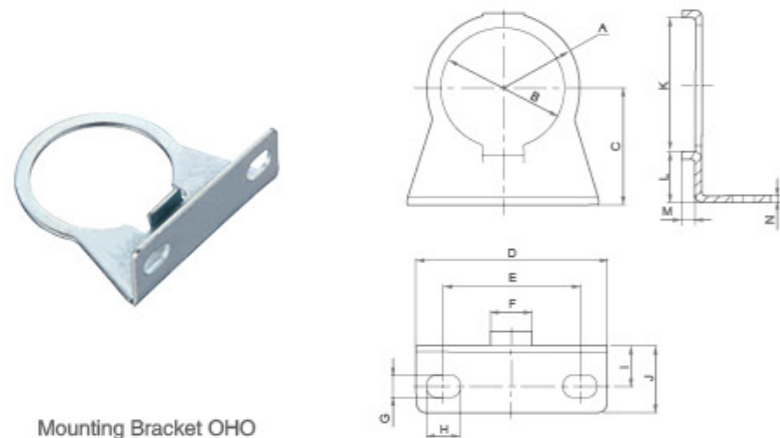


Mounting Bracket OHC

Dimension Sheet

Model	B1	B2	B3	D1	D2
OHC-MINI	2	19	7.3	4.3	43
OHC-MIDI/MAXI	3	19	8.3	5.3	70

Model	H2	H3	H4	L1
OHC-MINI	35	5.5	11	12
OHC-MIDI/MAXI	60	16.5	22	14



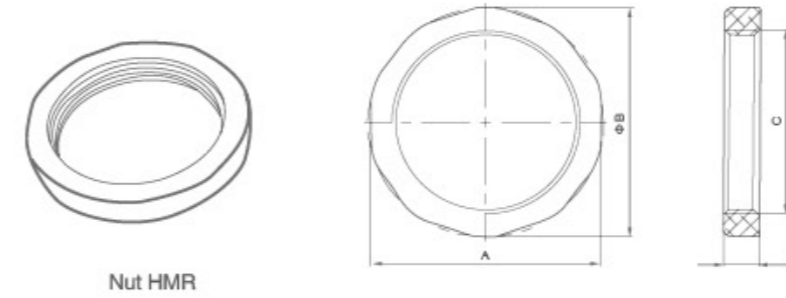
Mounting Bracket OHO

Dimension Sheet

Model	A	B	C	D	E	F	G
OHO-MINI/MAXI	22.5	36.5	35	56	40	12	6.5
OHO-MIDI/MAXI	30	52.5	48	70	53	12	8.5

Model	H	I	J	K	L	M	N
OHO-MINI/MAXI	10	12	20	40.4	15	4	2
OHO-MIDI/MAXI	10.5	17.5	27	55.5	20	4	2

XO Series Air Unit Accessories



Nut HMR

Dimension Sheet

Model	A	B
HMR-MINI/MAXI	44	45
HMR-MIDI	60	62

Model	C	D
HMR-MINI/MAXI	M36x1.5	7
HMR-MIDI	M52x1.5	8



Pressure Gauge OMA

Specification

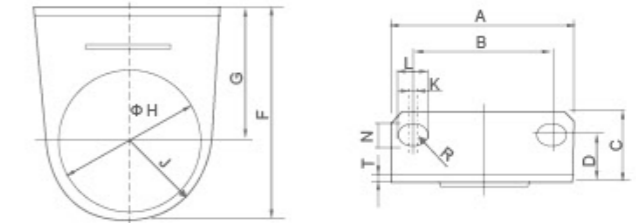
Model	Nominal size	Pneumatic connection	Indicating range
OMA-10-1/8	40	G1/8	0-10 bar
OMA-16-1/8			0-16 bar
OMA-10-1/4	50	G1/4	0-10 bar
OMA-16-1/4			0-16 bar

The Pressure gauge is used to measure and display the pressure of the control system.

XA Series Air Unit Accessories



Bracket for AR/AW

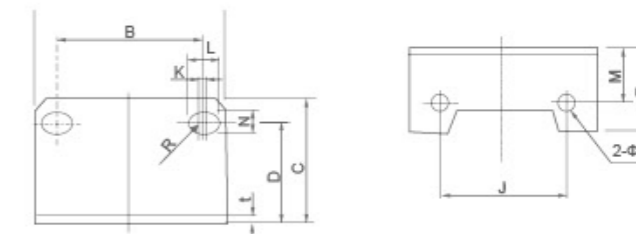


Dimension Sheet

Model	A	B	C	D	F	G	ΦH	J	K	L	N	R	T	Applicable Model
B120	40	28	17	11	37.8	25	20.5	12.3	2	6.5	4.5	2.25	2	AR/AW1000
B220	55	34	25	19	50	30	33.5	20	10	15.4	5.4	2.7	2.3	AR/AW2000/AR2500
B320	53	40	21.5	14	64	39	42.5	25	1.5	8	6.5	3.25	2.3	AR/AW3000
B420	70	54	27	18	79.2	49.2	52.5	30	2	10.5	8.5	4.26	2.3	AR/AW4000-5000



Bracket for AL/AF



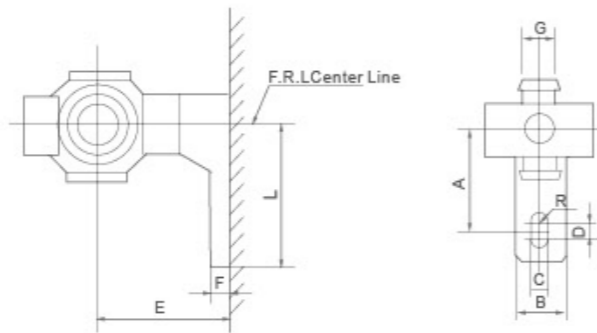
Dimension Sheet

Model	A	B	C	D	F	G	ΦH	J	K	L	N	R	T	Assembly Screw	Applicable Model
B240	40	27	33	27	18	4.5	26	3	8.4	14	5.4	2.7	2.3	M4x8	AF/AL2000
B340	53	40	39	32	22.5	4.5	35	1.5	8	19	6.5	3.25	2.3	M4x8	AF/AL3000
B440	70	54	47	38	31.5	5.5	47	2	10.5	20	8.5	4.25	2.3	M5x10	AF/AL4000
B540	70	54	47	38	27.5	5.5	47	2	10.5	20	8.5	4.25	2.3	M5x10	AF/AL4000-06
B640	90	66	64	52	43	6.5	60	2	13	29	11	5.5	3.2	M6x10	AF/AL5000

XA Series Air Unit Accessories



Spacer With L-Type Bracket

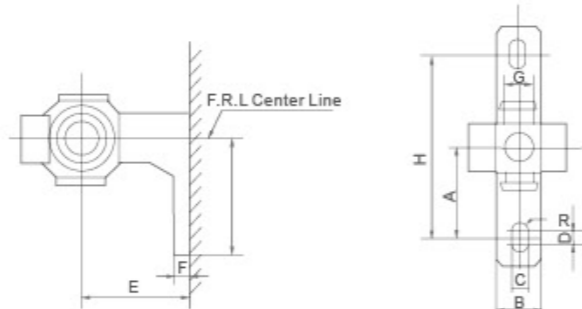


Dimension Sheet

Model	A	B	C	D	E	F	G	R	L	Applicable Model
B110L	20	12	4.5	3	25	5	8	2.25	27	AC1000
B210L	24	15	5.5	3	30	5	10	2.75	33	AC2000
B310L	35	16	7	4	41	7	11	3.5	45	AC2500-3000
B410L	40	22	9	4	50	7	14	4.5	50	AC4000
B510L	40	22	9	4	50	7	14	4.5	50	AC4000-06
B610L	50	23	12	4	69.8	10.5	15	6	63	AC5000



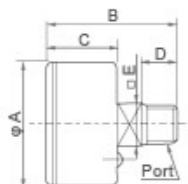
Spacer With T-Type Bracket



Dimension Sheet

Model	A	B	C	D	E	F	G	H	R	L	Applicable Model
B110T	20	12	4.5	3	25	5	8	40	2.25	27	AC1010
B210T	24	15	5.5	3	30	5	10	48	2.75	33	AC2010
B310T	35	16	7	4	40	7	11	70	3.5	45	AC3010
B410T	40	22	9	4	50	7	14	80	4.5	50	AC4000
B510T	40	22	9	4	50	7	14	80	4.5	50	AC4010-06
B610T	50	23	12	4	69	10.5	15	100	6	63	AC5010

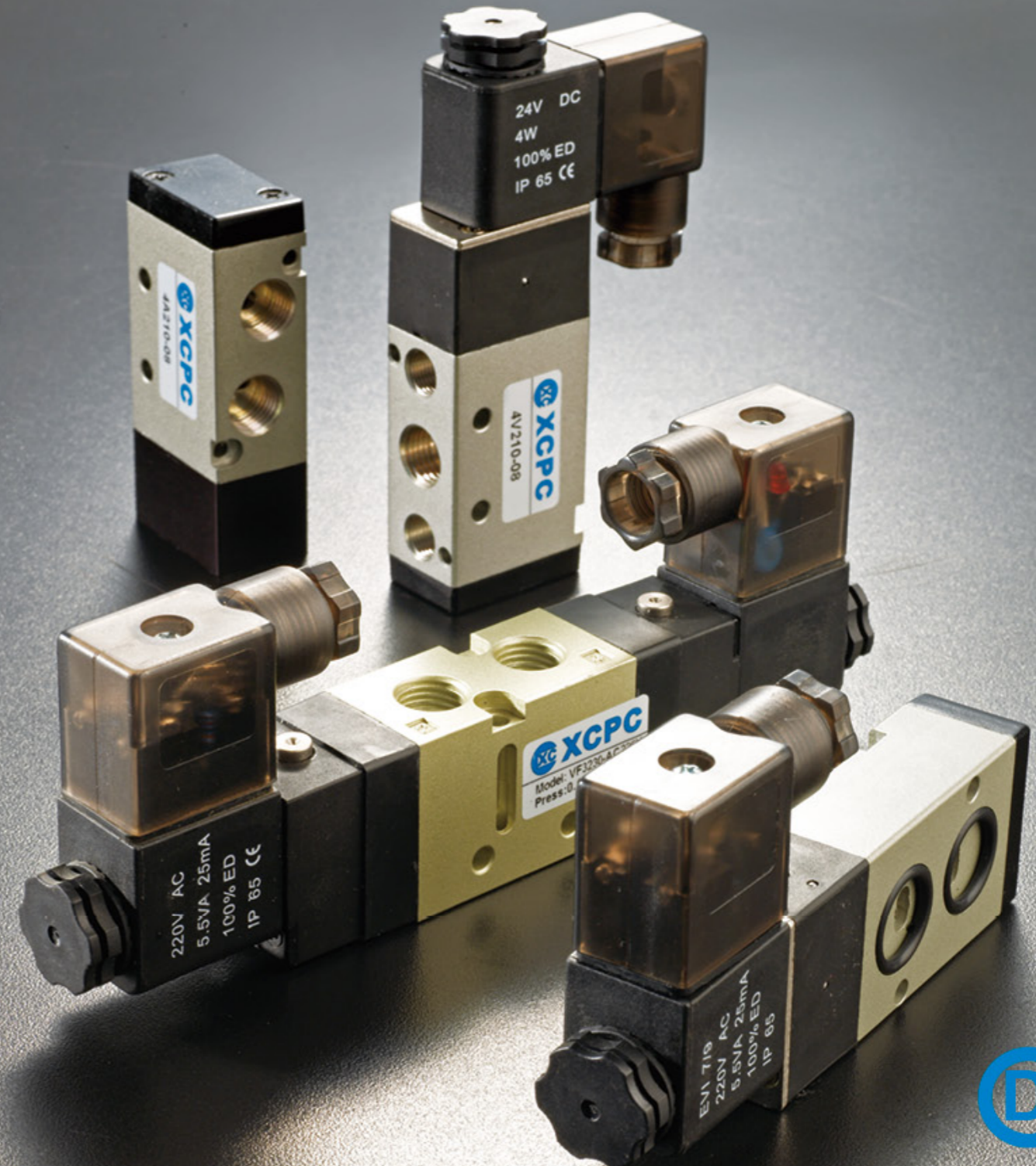
Pressure Gauge



Model	Pressure Range	Port	A	B	C	D	E	Applicable Model
G27-10-R1	0~1MPa(Red)	G1/16"	26	17.5	11	6.5	11	AR1000 AW1000
G36-10-01	0~150psi(Blue)	G1/8"	42	38.5	24	10	11	AR2000~3000 AW2000~3000
G46-10-02		G1/4"	52.5	43.5	25	10	14	AR4000~5000 AW4000~5000

Solenoid valves

Solenoid valves are used for change directional of air flow, control by electricity. There are 3/2, 5/2 and 5/3 way/position as optional, and the port size from M5 to 1/2".XCPC never stop its step to improve the quality, 2 times life time, less friction inside the valve body and high dust prevention, the new type of solenoid valve is available now.



4V、3V Series Solenoid Valve,4A、3A Series Pneumatic Control Valve



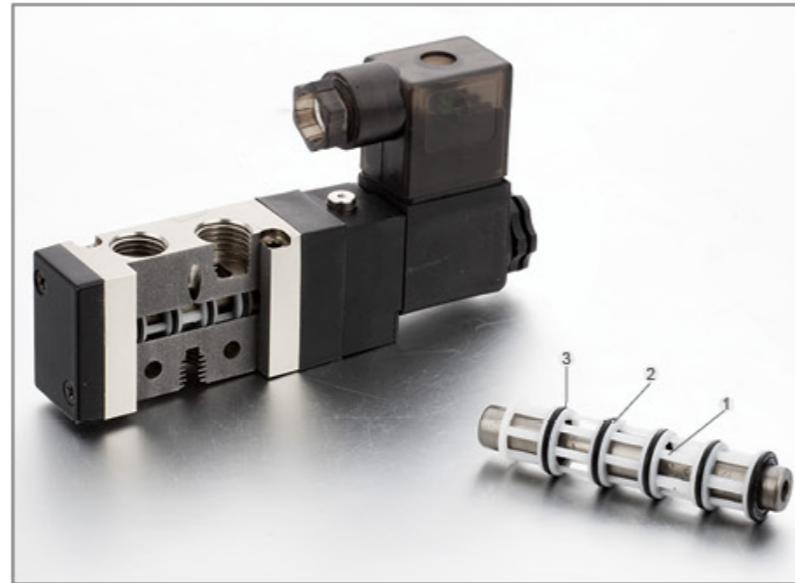
- Except the existing colours, now we have launched black valve body with laser printing model number.
- Other colours of body can be produced if orderd quantity meets our requesred.

Product instruction

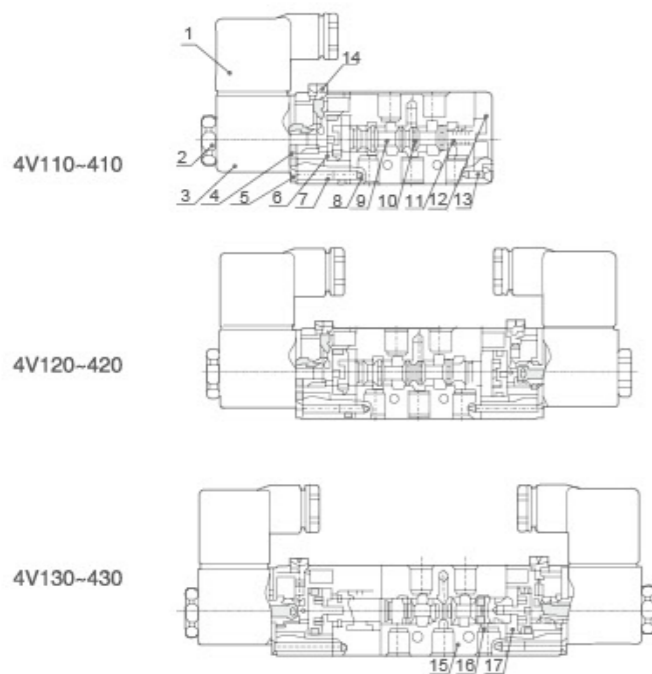
This solenoid valve is our new developed product. All the installation dimension is the same as 3V, 4V series, and the valve spindle material is still aluminum, but we changed the material outside valve spindle into POM (polyformaldehyde). Then it will be not only the seal-ring that operate separately, which will bring the new product two advantages:

If you need this new product, please add the word "new" (abbreviation "N") after the ordering code, for example: 4V210-08-N.

1. High dust prevention, air-proof
 2. One or twice lifetime than normals'
- 1 Spool:material aluminum 6061
 - 2 O-ring:material NBR
 - 3 White case:Material POM



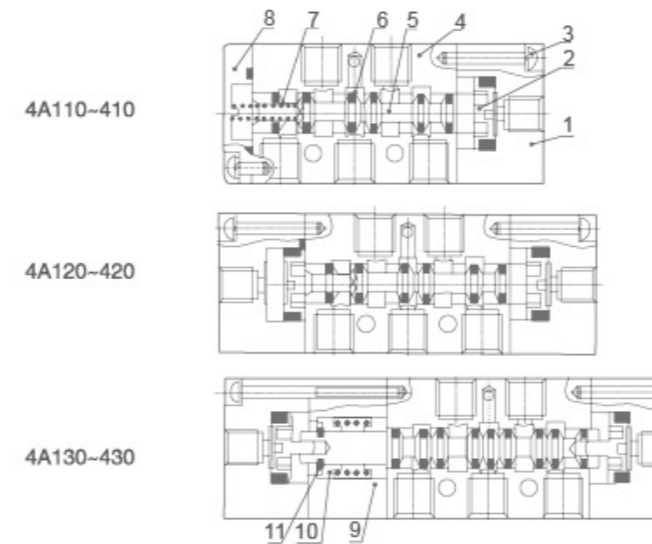
4V Series Internal structure



No	Designation	No	Designation
1	Connector	12	Seal ring
2	Nut	13	O-Ring
3	Coil	14	Spool
4	Active Amature	15	O-Ring
5	Steel Part	16	Spring
6	Piston	17	Pin
7	Body	18	Spring Seat
8	Wearing	19	Spring
9	End Cap	20	Side Cover
10	Screw	21	Spring Seat
11	Spring		

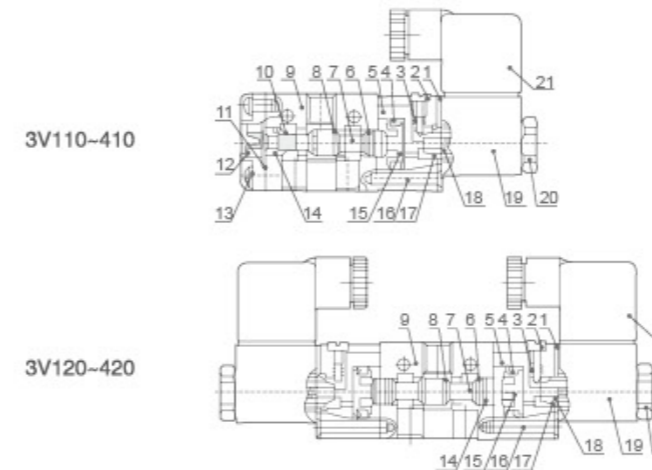
4V、3V Series Solenoid Valve,4A、3A Series Pneumatic Control Valve

4A Series Internal structure



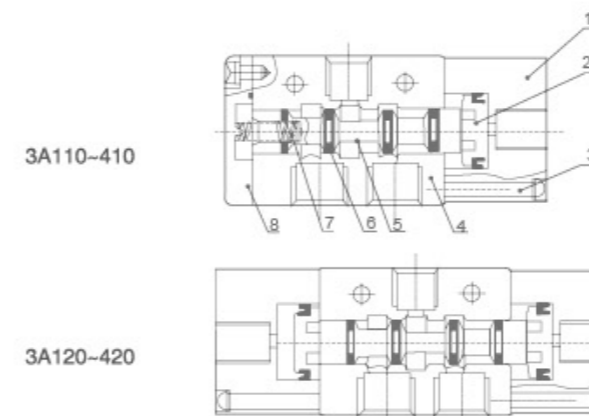
No	Designation
1	Air control cover
2	Piston
3	Screw
4	Valve body
5	Spool
6	O-Ring
7	Spring
8	Rear cover
9	Back seat
10	Spring seat
11	C-type buckle

3V Series Internal structure



No	Designation	No	Designation
1	Washer	12	End Cap
2	Pin	13	Screw
3	Spring	14	Wearing
4	O-Ring	15	Piston
5	Body	16	Screw
6	O-Ring	17	O-Ring
7	Spool	18	Active Amature
8	O-Ring	19	Coil
9	Body	20	Nut
10	Spring	21	Connector
11	Seal		

3A Series Internal structure



No	Designation
1	Air control cover
2	Piston
3	Screw
4	Valve body
5	Spool
6	O-Ring
7	Spring
8	Rear cover

4V、3V100 Series Solenoid Valve, 4A、3A 100 Series Pneumatic Control Valve



4A110-06

4V110-06

3A120-06

3V120-06

Ordering Code

4V 1 10 06 AC220V

Specification Code
 4V: Two(Three)-position Five-way Solenoid Valve
 4A: Two(Three)-position Five-way pneumatic control valve
 3V: Two-position Three-way Solenoid valve
 3A: Two-position Three-way pneumatic control valve

Series Code
 100 Series

Coil and Places
 10: Single-head Double-position
 20: Double-head Double-position
 30C: Double-head Three-position Close Type
 30E: Double-head Three-position Exhaust Type
 30P: Double-head Three-position Pressure Type

Port Size
 M5: M5x0.8
 06: G1/8"

Port connection and Initial State
 NC: Two-position Three-way Normal Close Type
 NO: Two-position Three-way Normal Open Type

Standard Voltage
 DC12V
 DC24V
 AC24V 50Hz/60Hz
 AC110V 50Hz/60Hz
 AC220V 50Hz/60Hz
 AC380V 50Hz/60Hz

Wiring Form
 Blank: Standard Connector
 LD: Brown With Lighting Connector
 LD1: White With Lighting Connector
 W: Lead Wire Type

Specification

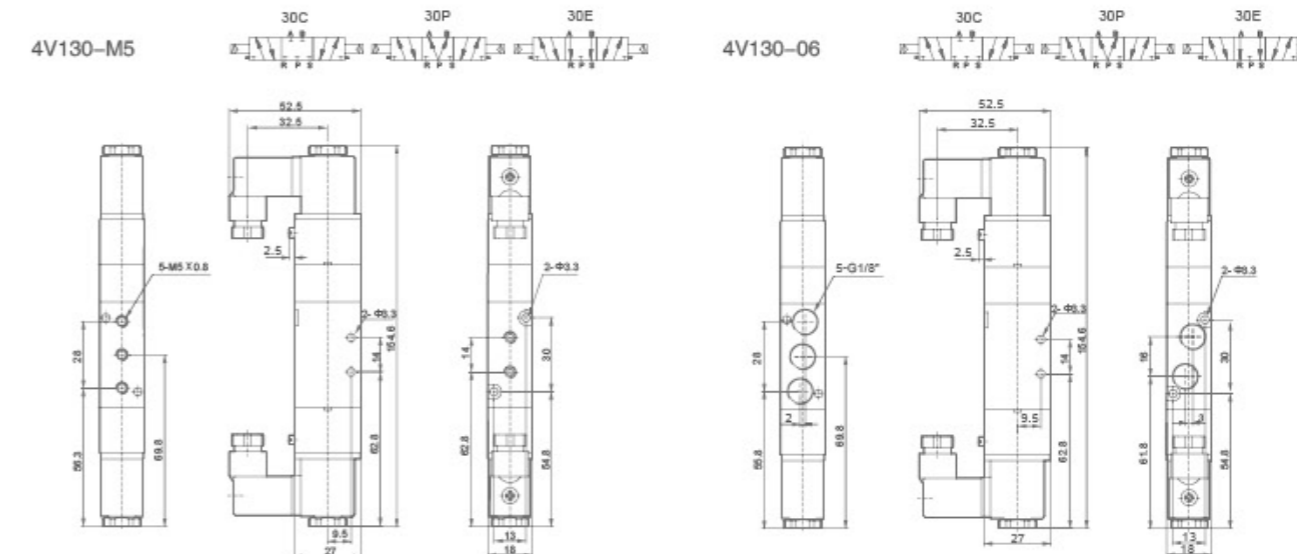
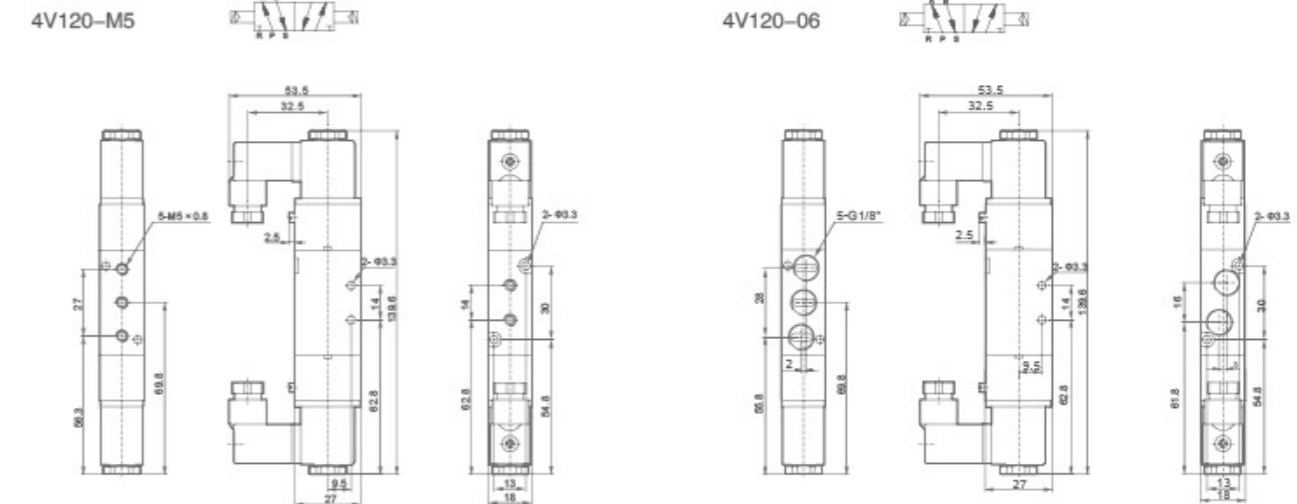
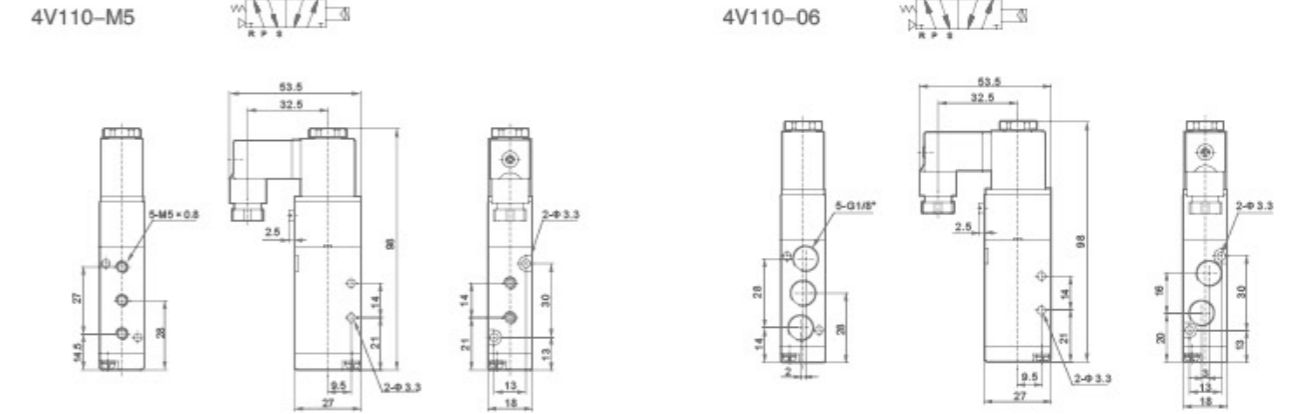
Model	4V110-M5	4V120-M5	4V130C-M5	4V130E-M5	4V130P-M5	4V110-06	4V120-06	4V130C-06	4V130E-06	4V130P-06
Position and Way NO.	Two-position Five-way		Three-position Five-way			Two-position Five-way		Three-position Five-way		
Effective Sectional Area	10mm ² (CV=0.56)		7mm ² (CV=0.40)			12mm ² (CV=0.67)		9mm ² (CV=0.5)		

Model	3V110-M5	3V120-M5	3A110-M5	3A120-M5	3V110-06	3V120-06	3A110-06	3A120-06
Position and Way NO.	Two-position Three-way				Two-position Three-way			
Effective Section Area	10mm ² (CV=0.56)				12mm ² (CV=0.67)			

Joint Pipe Bore	Air Inlet=Air Outlet=Exhaust=M5x0.8				Air Inlet=Air Outlet=Exhaust=G1/8"			
Working Medium	40 Micron Filtered Air							
Motion Pattern	Inner Guide Type							
Working-pressure	0.15~0.8 M Pa							
Max. Pressure Resistance	1.2MPa							
Operating Temperature	5~50℃							
Voltage Range	±10%							
Power Consumption	AC: 2.5VA DC: 2.5W							
Insulation & Protection Class	F Class. IP65							
Wiring Form	Lead Wire or Connector type							
Highest Action Frequency	5 Cycle / Second							
Shortest Excitation Time	0.05 Second							

4V、3V100 Series Solenoid Valve, 4A、3A100 Series Pneumatic Control Valve

Overall Dimensions



4V、3V200 Series Solenoid Valve, 4A、3A 200 Series Pneumatic Control Valve



Ordering Code

4V 2 10 08 AC220V

Specification Code
 4V:Two(Three)-position Five-way Solenoid Valve
 4A:Two(Three)-position Five-way pneumatic control valve
 3V:Two-position Three-way Solenoid Valve
 3A:Two-position Three-way Pneumatic Control Valve

Series Code
 200 Series

Coil and Places
 10:Single-head double-position
 20:Double-head double-position
 30C:Double-head Three-position Close Type
 30E:Double-head Three-position Exhaust Type
 30P:Double-head Three-position Pressure Type

Port Size
 06:G1/8"
 08:G1/4"

Port connection and Initial State
 NC:Two-position Three-way Normal Close Type
 NO:Two-position Three-way Normal Open Type

Standard Voltage
 DC12V
 DC24V
 AC110V 50Hz/60Hz
 AC220V 50Hz/60Hz
 AC380V 50Hz/60Hz

Wiring Form
 Blank:Standard Connector
 LD:Brown With Lighting Connector
 LD1:White With Lighting Connector
 W:Lead Wire Type

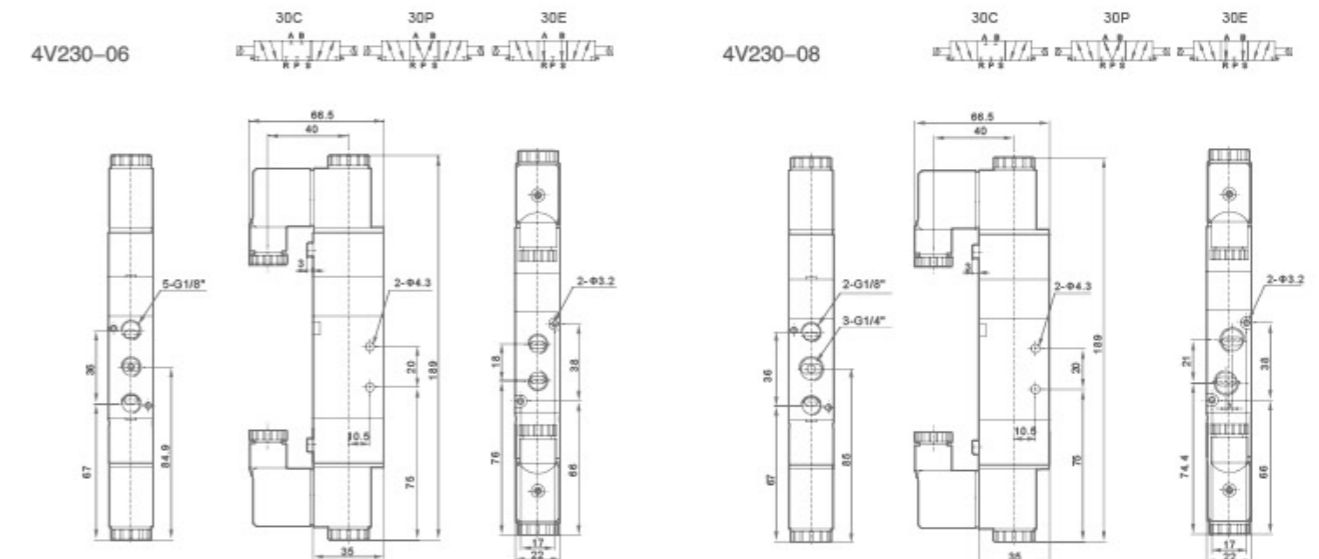
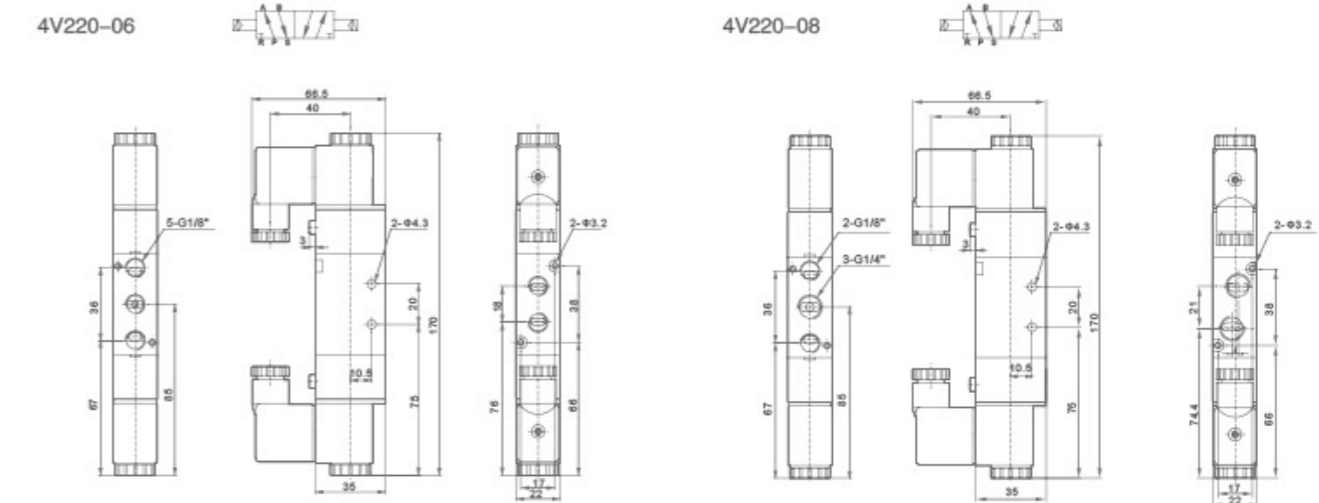
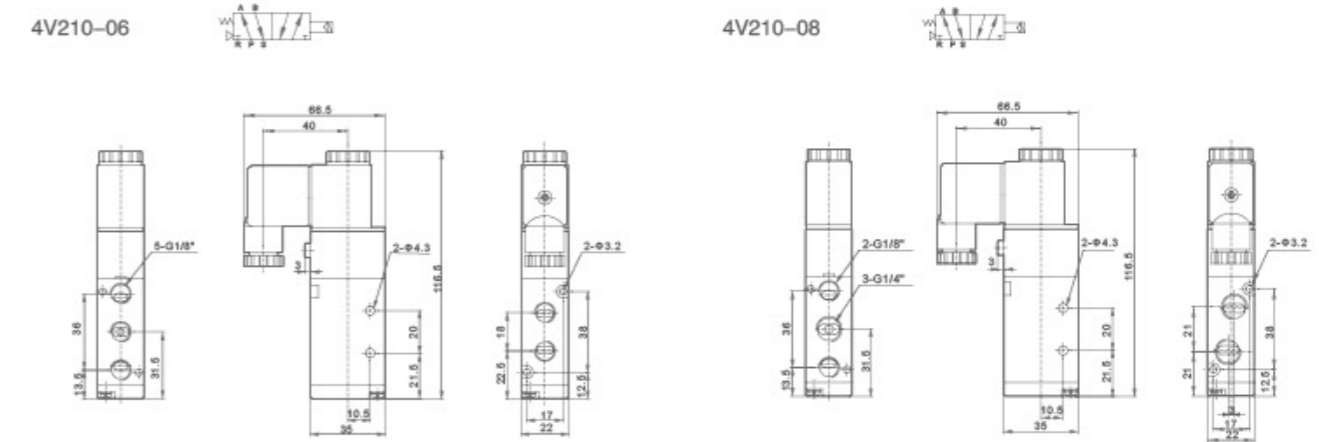
Specification

Model	4V210-06	4V220-06	4V230C-06	4V230E-06	4V230P-06	4V210-08	4V220-08	4V230C-08	4V230E-08	4V230P-08
Position and Way NO.	Two-position Five-way		Three-position Five-way			Two-position Five-way		Three-position Five-way		
Effective Sectional Area	14mm ² (CV=0.78)		12mm ² (CV=0.67)			16mm ² (CV=0.89)		12mm ² (CV=0.67)		

Model	3V210-06	3V220-06	3A210-06	3A220-06	3V210-08	3V220-08	3A210-08	3A220-08
Position and Way NO.	Two-position Three-way				Two-position Three-way			
Effective Section Area	14mm ² (CV=0.78)				16mm ² (CV=0.89)			
Joint Pipe Bore	Air Inlet=Air Outlet=Exhaust=G1/8"				Air Inlet=Air Outlet 1/4" Exhaust=G1/8"			
Working Medium	40 Micron Filtered Air							
Motion Pattern	Inner Guide Type							
Working-pressure	0.15~0.8 M Pa							
Max. Pressure Resistance	1.2MPa							
Operating Temperature	5~50℃							
Voltage Range	±10%							
Power Consumption	AC: 2.5VA DC: 2.5W							
Insulation & Protection Class	F Class. IP65							
Wiring Form	Lead Wire or Connector type							
Highest Action Frequency	5 Cycle / Sec							
Shortest Excitation Time	0.05 Second							

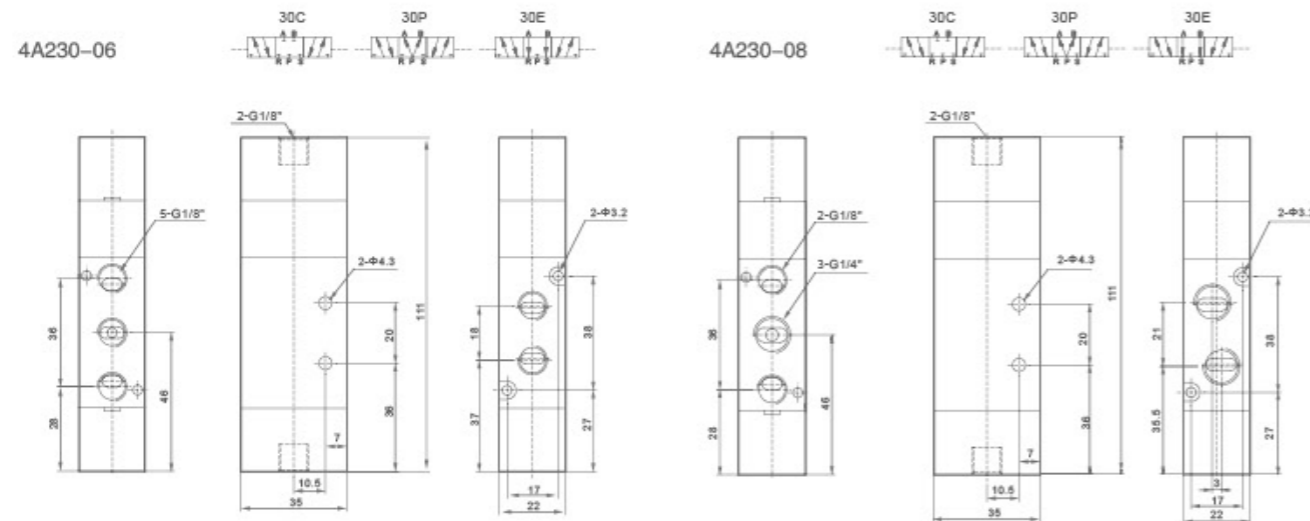
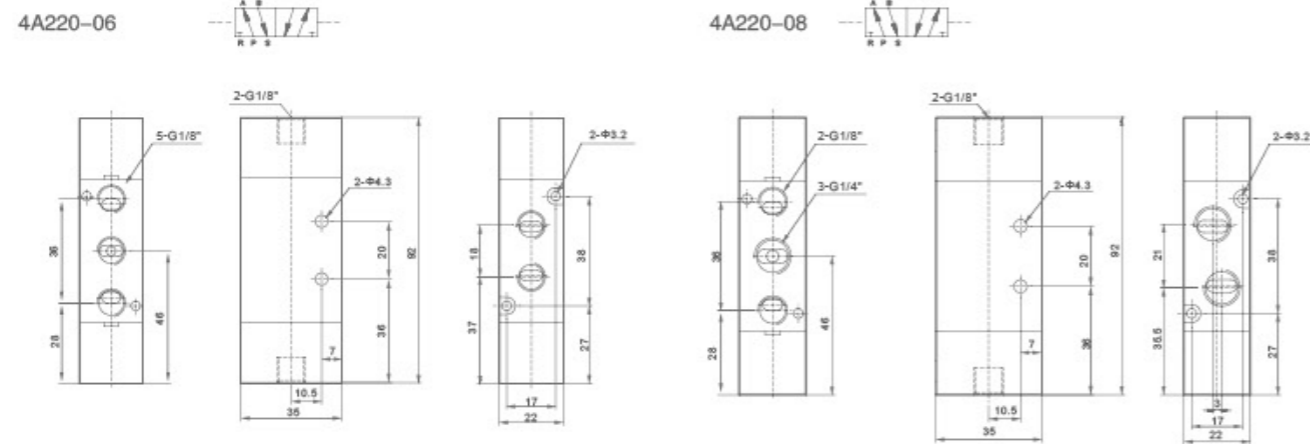
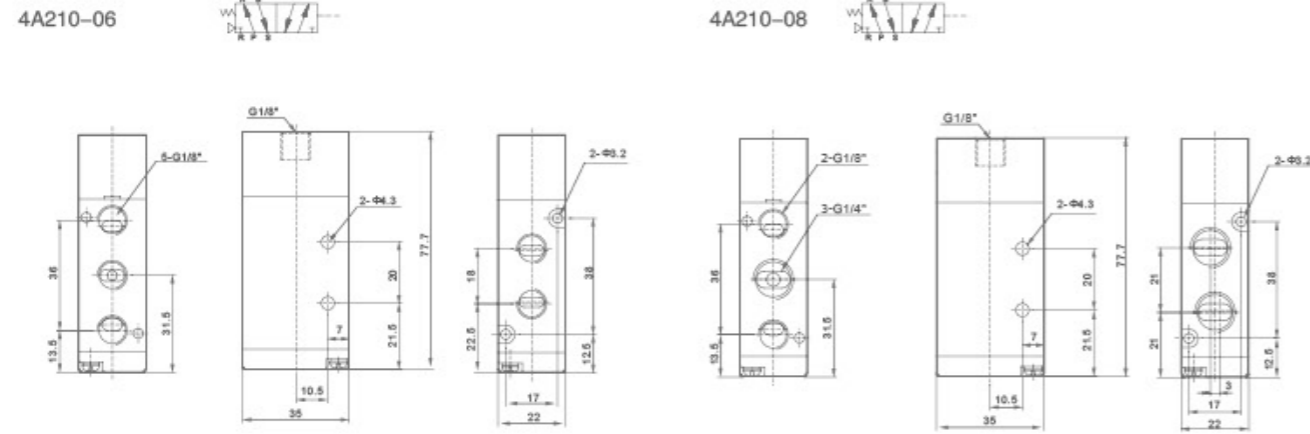
4V、3V200 Series Solenoid Valve, 4A、3A200 Series Pneumatic Control Valve

Overall Dimensions



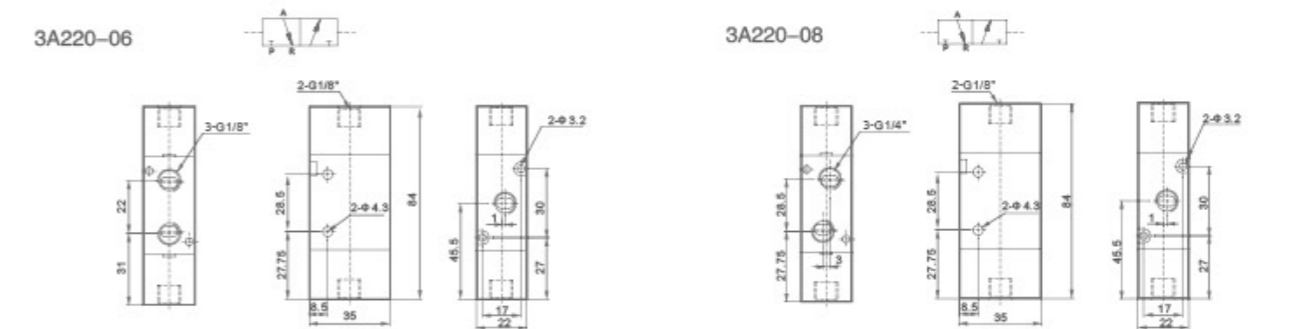
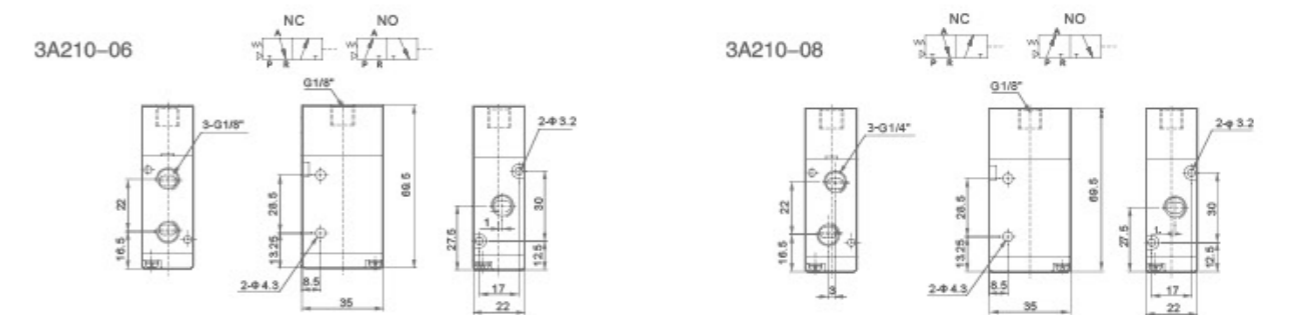
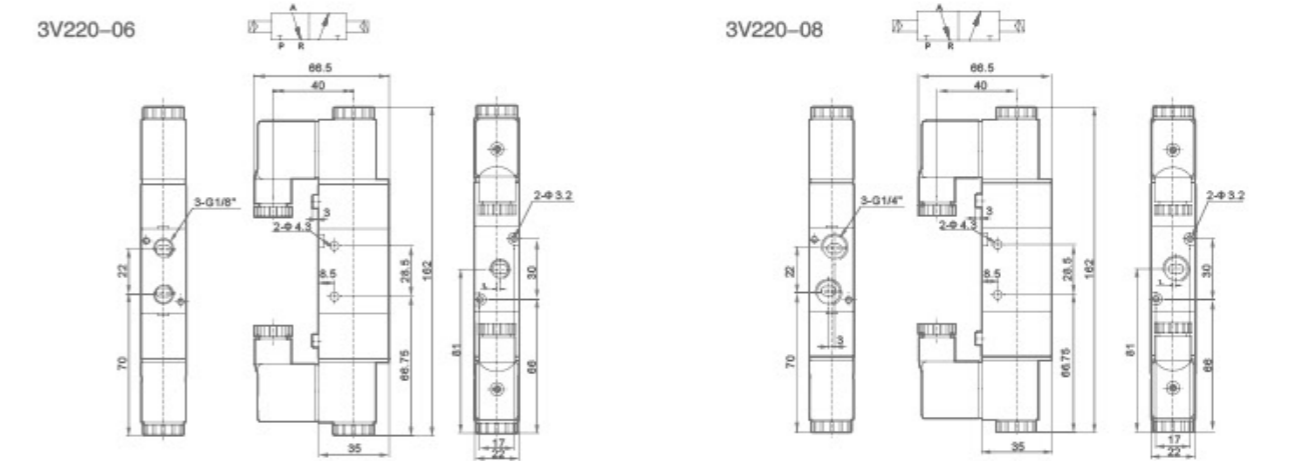
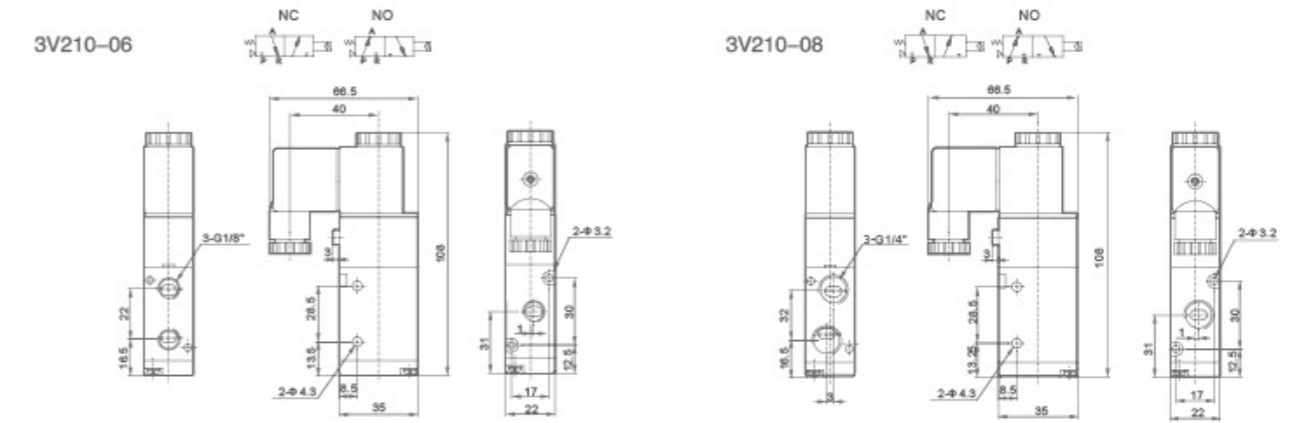
4V、3V200 Series Solenoid Valve, 4A、3A 200 Series Pneumatic Control Valve

Overall Dimensions



4V、3V200 Series Solenoid Valve, 4A、3A 200 Series Pneumatic Control Valve

Overall Dimensions



4V、3V300 Series Solenoid Valve, 4A、3A 300 Series Pneumatic Control Valve



4A310-10

4V320-10

3A310-10

3V310-10

Ordering Code

4V 3 10 — 10 □ — AC220V — □

Specification Code
 4V: Two(Three)-position Five-way Solenoid Valve
 4A: Two(Three)-position Five-way pneumatic control Valve
 3V: Two-position Three-way Solenoid Valve
 3A: Two-position Three-way Pneumatic Control Valve

Series Code
 300 Series

Coil and Places
 10: Single-head Double-position
 20: Double-head Double-position
 30C: Double-head Three-position Close Type
 30E: Double-head Three-position Exhaust Type
 30P: Double-head Three-position Pressure Type

Port Size
 08: G1/4"
 10: G3/8"

Port connection and Initial State
 NC: Two-position Three-way Normal Close Type
 NO: Two-position Three-way Normal Open Type

Standard Voltage
 DC12V
 DC24V
 AC24V 50Hz/60Hz
 AC110V 50Hz/60Hz
 AC220V 50Hz/60Hz
 AC380V 50Hz/60Hz

Wiring Form
 Blank: Standard Connector
 LD: Brown With Lighting Connector
 LD1: White With Lighting Connector
 W: Lead Wire Type

Specifcation

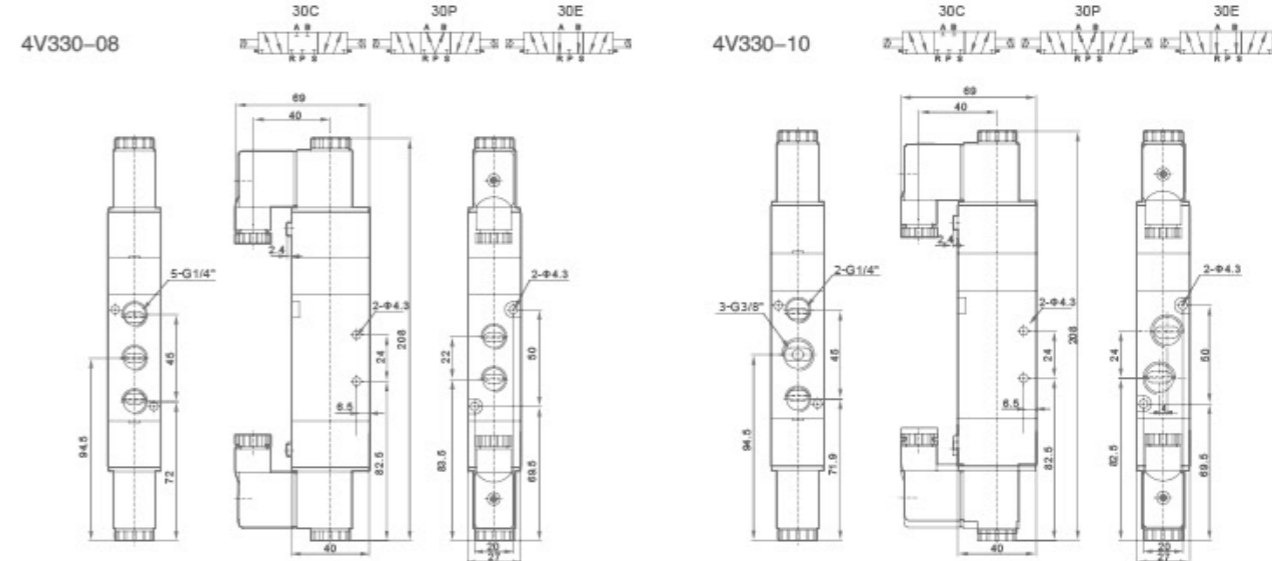
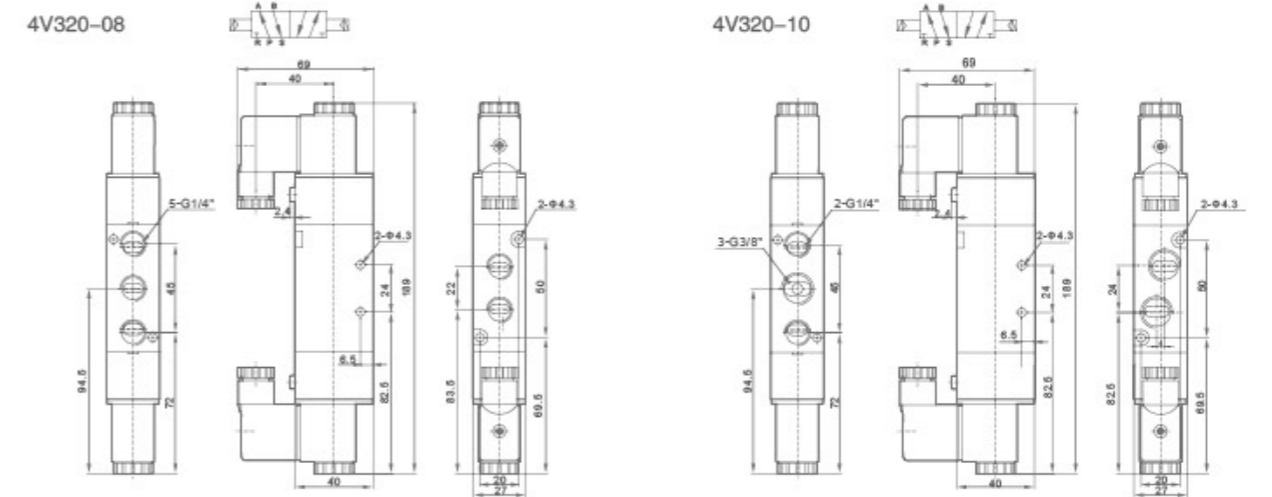
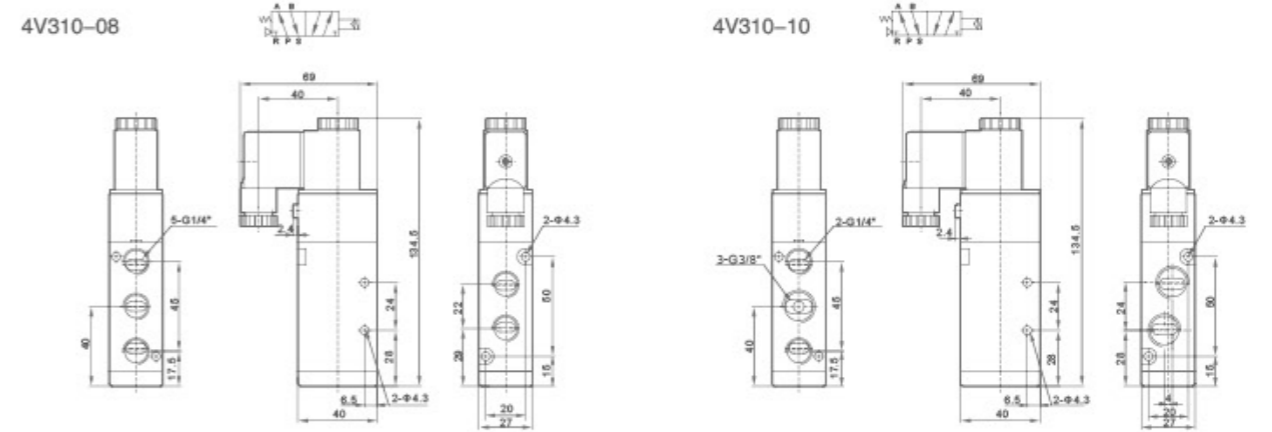
Model	4V310-08	4V320-08	4V330C-08	4V330E-08	4V330P-08	4V310-10	4V320-10	4V330C-10	4V330E-10	4V330P-10
	4A310-08	4A320-08	4A330C-08	4A330E-08	4A330P-08	4A310-10	4A320-10	4A330C-10	4A330E-10	4A330P-10
Position and Way NO.	Two-position Five-way		Three-position Five-way			Two-position Five-way		Three-position Five-way		
Effective Sectional Area	25mm ² (CV=1.40)		18mm ² (CV=1.00)			30mm ² (CV=1.68)		18mm ² (CV=1.00)		

Model	3V210-08	3V220-08	3A310-08	3A320-08	3V310-10	3V2320-10	3A310-10	3A220-10
Position and Way NO.	Two-position Three-way				Two-position Three-way			
Effective Section Area	25mm ² (CV=1.40)				30mm ² (CV=1.68)			
Joint Pipe Bore	Air Inlet=Air Outlet=Exhaust=G1/4"				Air Inlet=Air Outlet=3/8" Exhaust=G1/4"			

Working Medium	40 Micron Filtered Air
Motion Pattern	Inner Guide Type
Working-pressure	0.15~0.8 M Pa
Max. Pressure Resistance	1.2MPa
Operating Temperature	5~50℃
Voltage Range	±10%
Power Consumption	AC: 4.5VA DC: 3W
Insulation & Protection Class	F Class. IP65
Wiring Form	Lead Wire or Connector type
Highest Action Frequency	5 Cycle / Sec
Shortest Excitation Time	0.05 Second

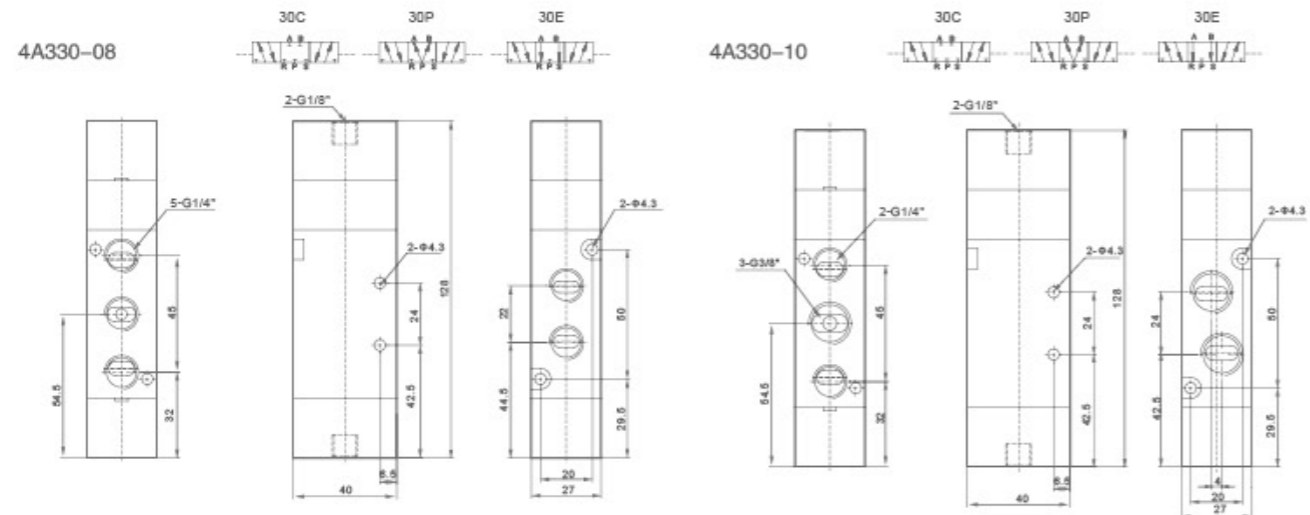
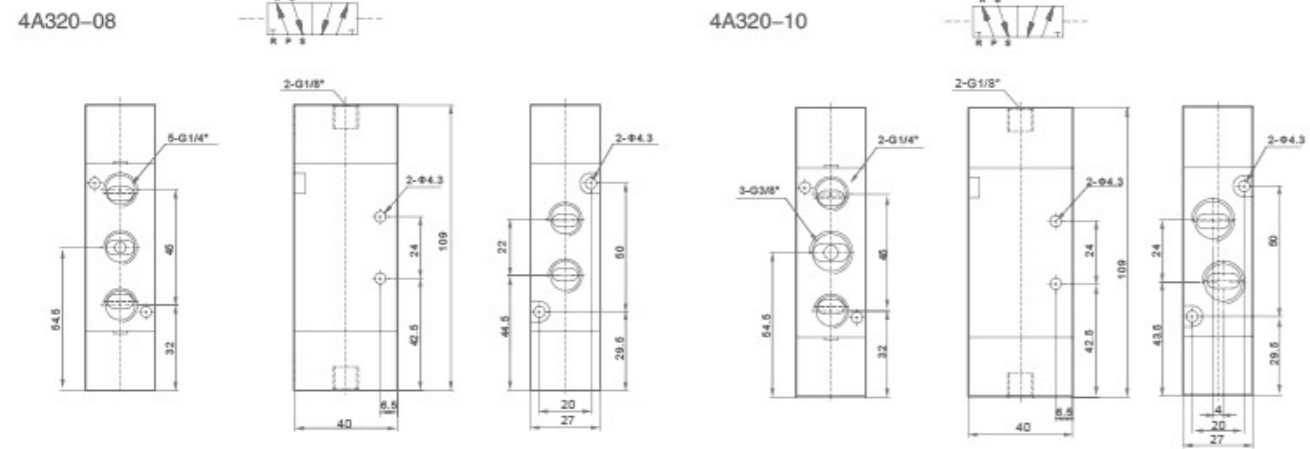
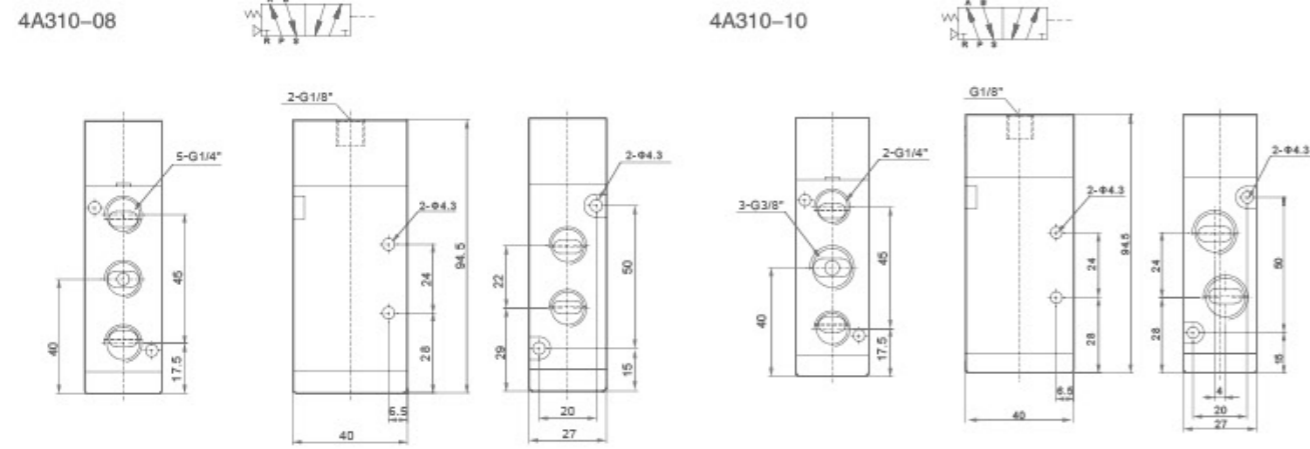
4V、3V300 Series Solenoid Valve, 4A、3A300 Series Pneumatic Control Valve

Overall Dimensions



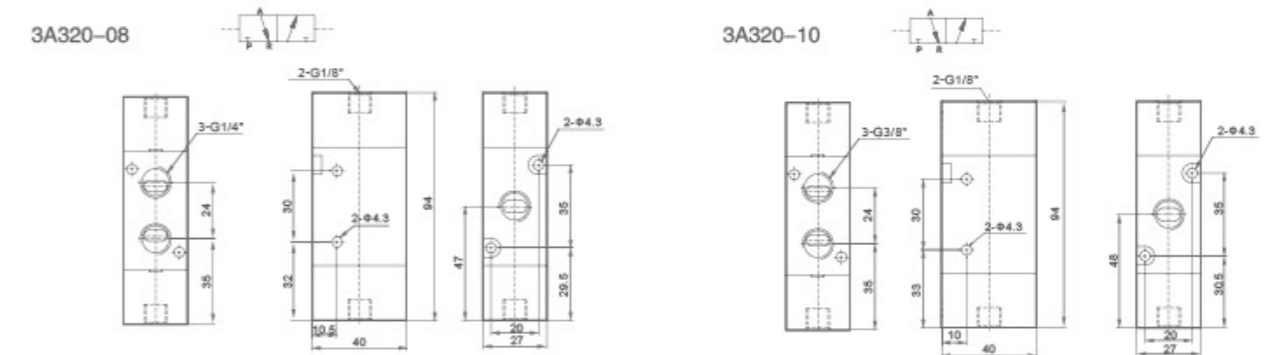
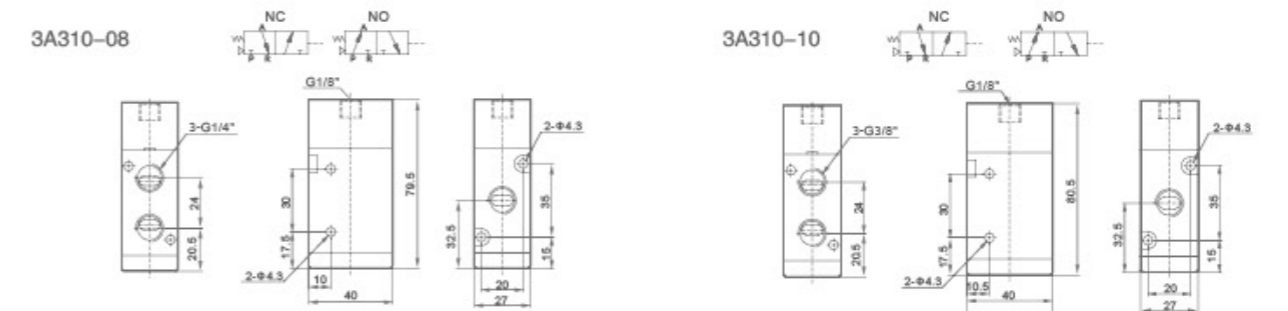
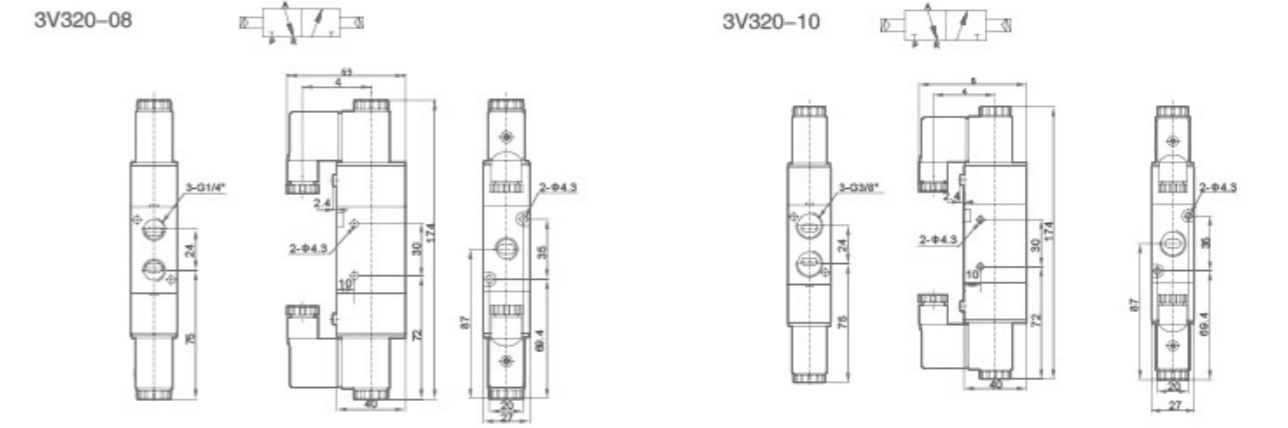
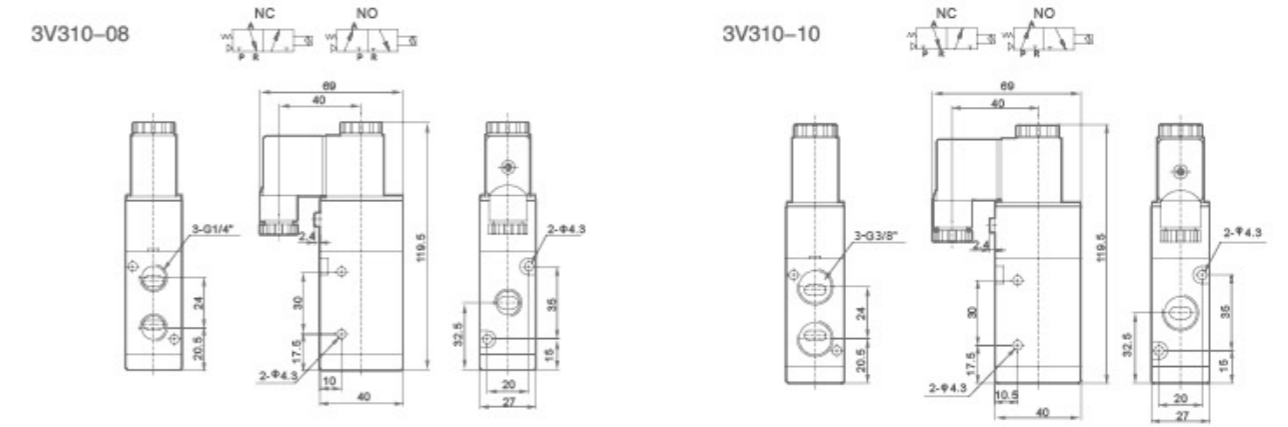
4V、3V300 Series Solenoid Valve, 4A、3A 300 Series Pneumatic Control Valve

Overall Dimensions

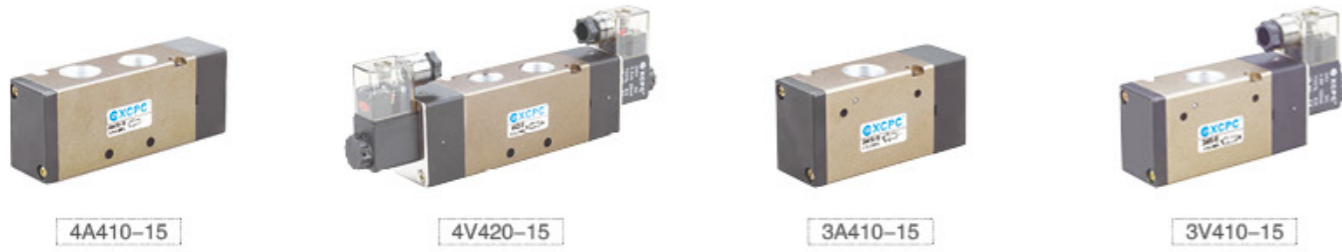


4V、3V300 Series Solenoid Valve, 4A、3A300 Series Pneumatic Control Valve

Overall Dimensions



4V、3V400 Series Solenoid Valve, 4A、3A400 Series Pneumatic Control Valve



Ordering Code

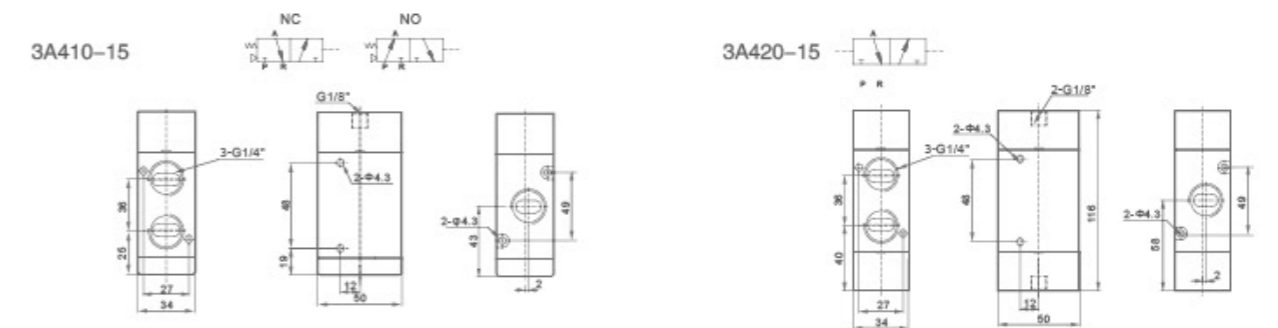
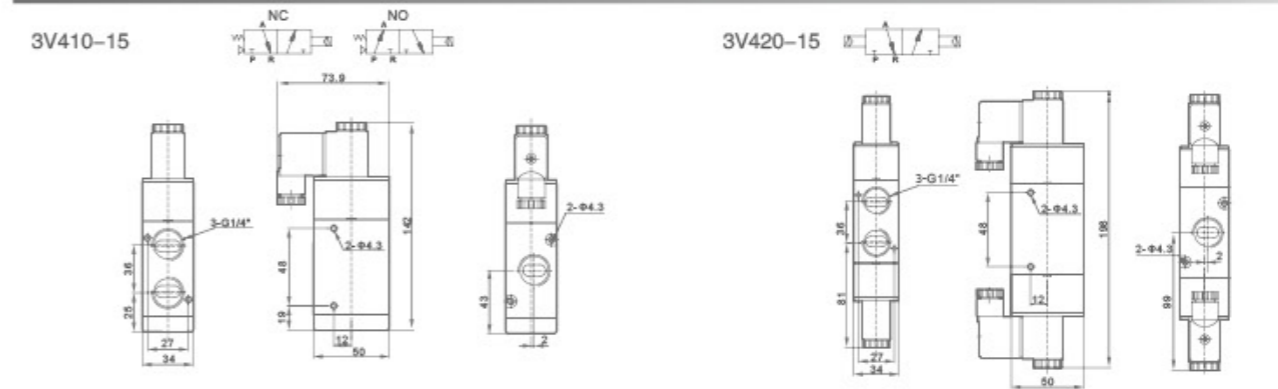
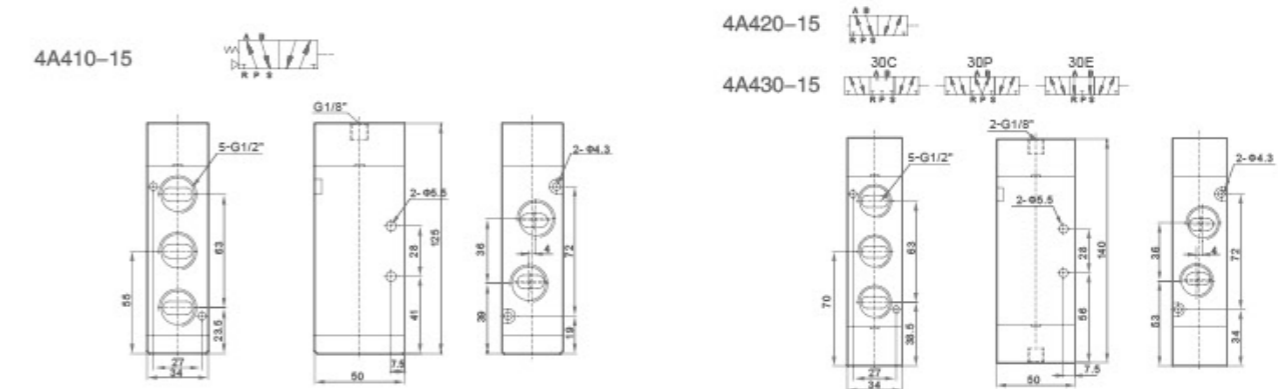
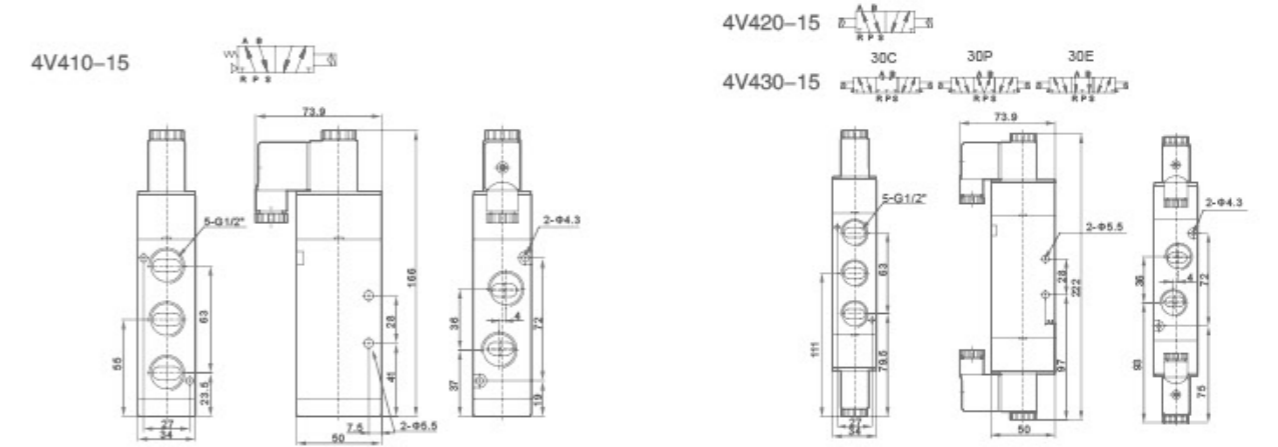
4V	4	10	10	□	AC220V	□
Specification Code 4V:Two(Three)-position Five-way Solenoid Valve 4A:Two(Three)-position Five-way Pneumatic control Valve 3V:Two-position Three-way Solenoid Valve 3A:Two-position Three-way Pneumatic Control Valve	Series Code 400 Series	Coil and Places 10:Single-head Double-position 20:Double-head Double-position 30C:Double-head Three-position Close Type 30E:Double-head Three-position Exhaust Type 30P:Double-head Three-position Pressure Type	Port Size 10:G3/8" 15:G1/2"	Port connection and Initial State NC:Two-position Three-way Normal Close Type NO:Two-position Three-way Normal Open Type	Standard Voltage DC12V DC24V AC24V 50Hz/60Hz AC110V 50Hz/60Hz AC220V 50Hz/60Hz AC380V 50Hz/60Hz	Wiring Form Blank:Standard Connector LD:Brown With Lighting Connector LD1:White With Lighting Connector W:Lead Wire Type

Specification

Model	4V410-15	4V420-15	4V430C-15	4V430E-15	4V430P-15
Position and Way NO.	Two-position Five-way		Three-position Five-way		
Effective Sectional Area	50mm ² (CV=2.79)		30mm ² (CV=1.68)		
Model	3V410-15	3V420-15	3A410-15	3A420-15	
Position and Way NO.	Two-position Three-way				
Effective Section Area	50mm ² (CV=2.79)				
Joint Pipe Bore	Air Inlet=Air Outlet=Exhaust=G1/2"				
Working Medium	40 Micron Filtered Air				
Motion Pattern	Inner Guide Type				
Working-pressure	0.15~0.8 M Pa				
Max. Pressure Resistance	1.2MPa				
Operating Temperature	5~50℃				
Voltage Range	±10%				
Power Consumption	AC: 4.5VA DC: 3W				
Insulation & Protection Class	F Class. IP65				
Wiring Form	Lead Wire or Connector type				
Highest Action Frequency	5 Cycle / Sec				
Shortest Excitation Time	0.05 Second				

4V、3V400 Series Solenoid Valve, 4A、3A400 Series Pneumatic Control Valve

Overall Dimensions



4M Series Plate Type Valve



4M210-08

4M310-10

4M220-08

Ordering Code

4M **2** **10** **06** **AC220V** **□**

Specification Code
4M:Two-position
Five-way Plate Type
Valve

Body Size
2:1/8" and 1/4"
Valve body
3:1/4" and 3/8"
Valve body

Coil and Places
10:Single-head
Double-position
20:Double-head
Double-position

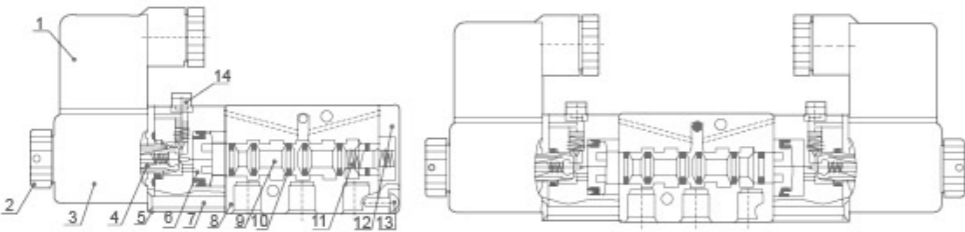
Port Size
06:G1/8"
08:G1/4"
10:G3/8

Standard Voltage
DC12V
DC24V
AC24V 50Hz/60Hz
AC110V 50Hz/60Hz
AC220V 50Hz/60Hz
AC380V 50Hz/60Hz

Wiring Form
Blank:Standard
Connector
LD:Brown With
Lighting Connector
LD1:White With
Lighting Connector
W:Lead Wire Type



Internal structure



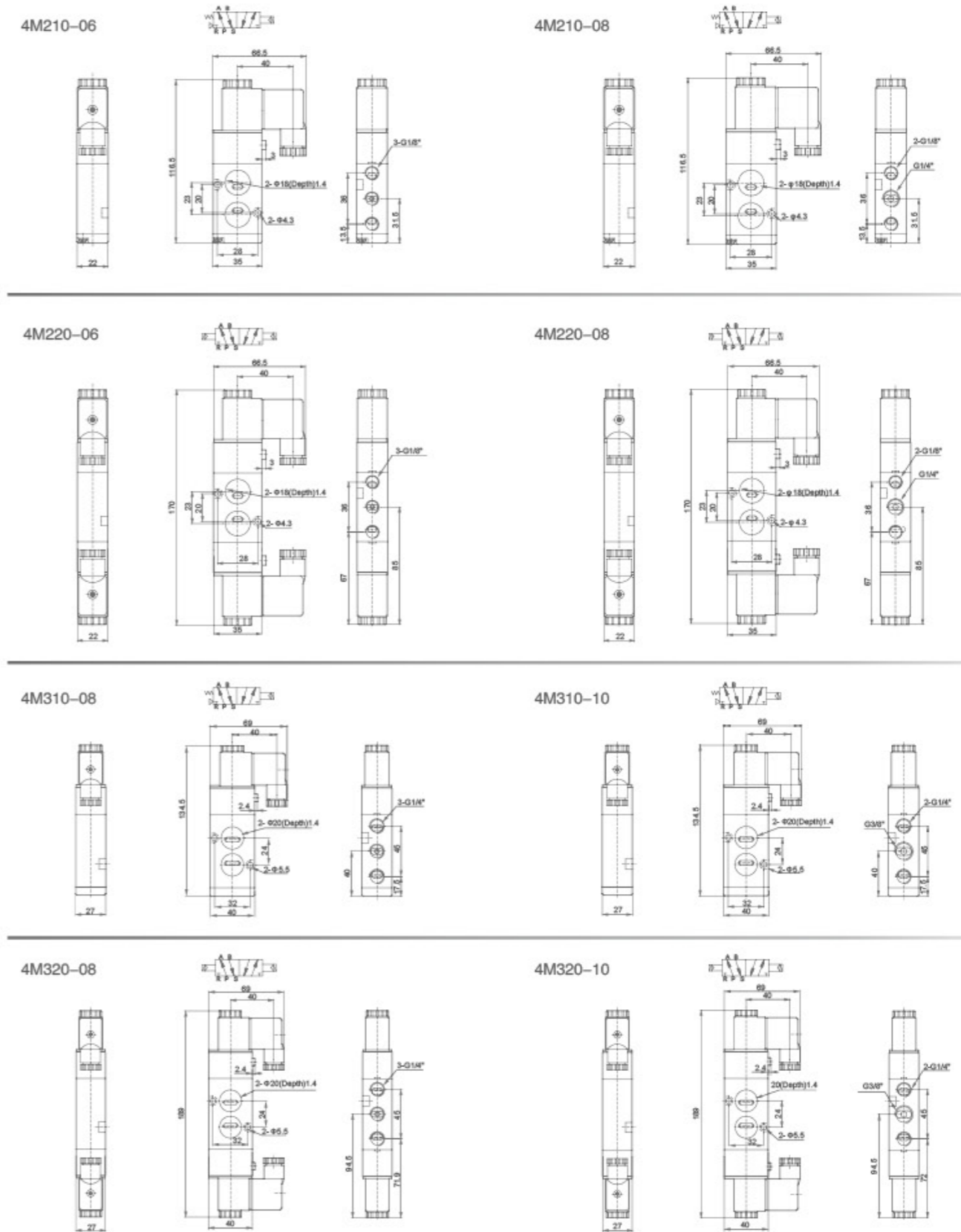
No	Designation	No	Designation
1	Connector	8	Valve body
2	Nut	9	Spool
3	Coil	10	O-Ring
4	Pilot unit	11	Spring
5	Plate	12	Rear cover
6	Piston	13	Screw
7	Screw	14	Manual override

Specification

Model	4M210-06	4M220-06	4M210-08	4M220-08	4M310-08	4M320-08	4M310-10	4M320-10
Working Medium	40 Micron Filtered Air							
Motion Pattern	Inner Guide Type							
Position and Way NO.	Two-position Five-way							
Effective Section Area	14mm ² (CV=0.78)		16mm ² (CV=0.89)		25mm ² (CV=1.39)		30mm ² (CV=1.67)	
Port Size	Air Inlet=Exhaust=G1/8"		Air Inlet=G1/4"Exhaust=G1/8"		Air Inlet=Exhaust=G1/4"		Air Inlet=G3/8"Exhaust=G1/4"	
Lubricate	Not Necessary							
Working-Pressure	0.15~0.8MPa							
Max.Pressure Resistance	1.2MPa							
Operating Temperature	5~60℃							
Voltage Range	-15%~+10%							
Power Consumption	AC380V:2.5VA,AC220V:2.0VA,AC110V:2.5VA,AC24V:3.5VA,DC24V:3.0W,DC12V:2.5W							
Insulation & Protection Class	F Class.IP65							
Wiring Form	Lead wire or Connector Type							
Highest Action Frequency	5 Cycle / Sec							
Shortest Excitation Time	0.05 Second							

4M Series Plate Type Valve

Overall Dimensions



VF、VZ Series Solenoid Valve



Ordering Code

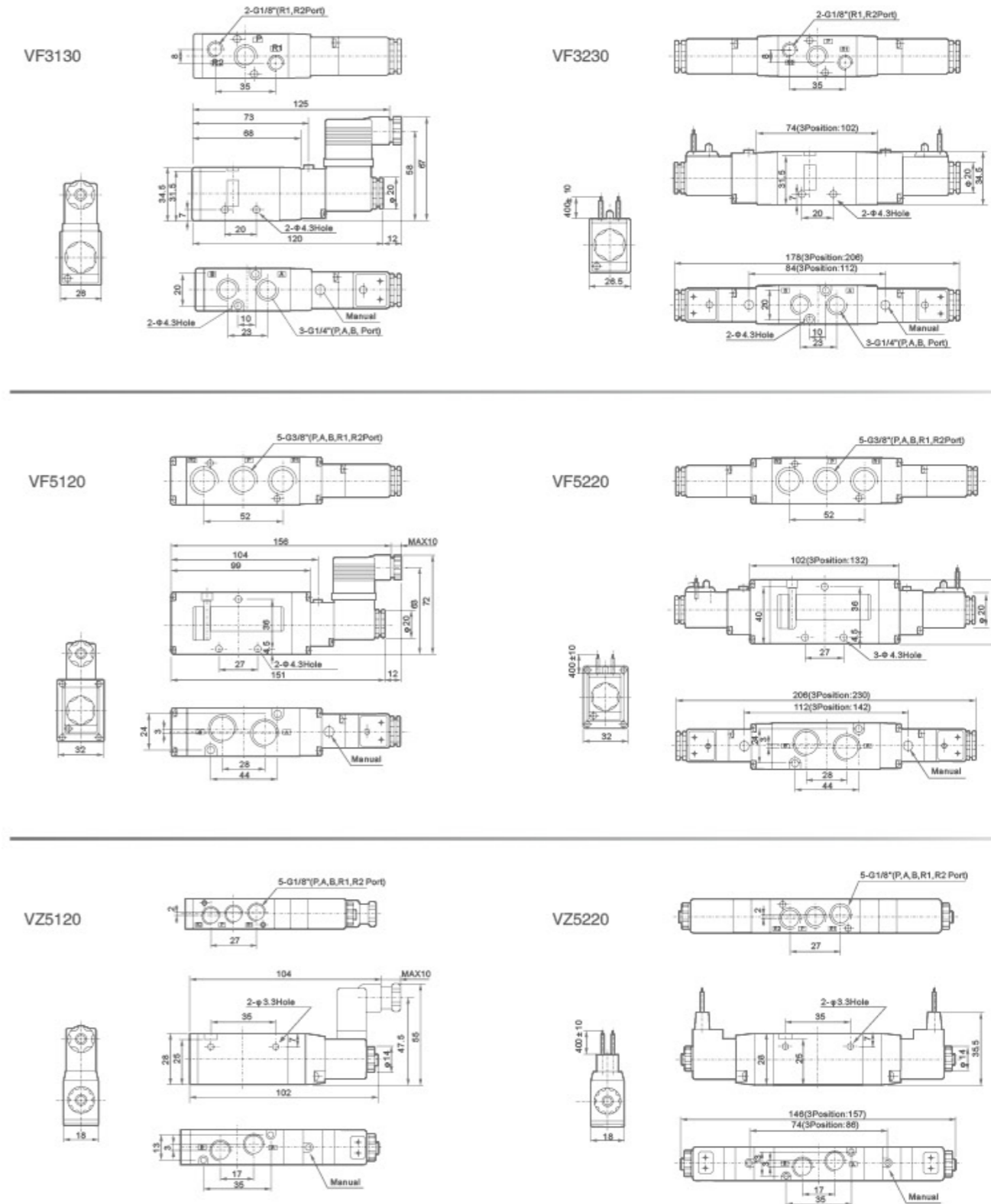
VF3	1	30	AC220V	□
Series Code VF3 Series VF5 Series VZ5 Series	Coil and Places 1:Single-Head Double-position 2:Double-Head Double-position 3:Double-Head Three-position Close Type 4:Double-Head Three-position Exhaust Type 5:Double-Head Three-position Pressure Type	Order No. VF3:30 VF5:20 VZ5:20	Standard Voltage DC12V DC24V AC24V 50Hz/60Hz AC110V 50Hz/60Hz AC220V 50Hz/60Hz AC380V 50Hz/60Hz	Wiring Form Blank:Standard Connector LD:With Lighting Connector W:Lead Wire Type

Specification

Model	VF3130	VF3230	VF33(4/5)30	VF5120	VF5220	VF53(4/5)20	VZ5120	VZ5220	VZ53(4/5)20
Position and Way NO.	Two-position Five-way	Three-position Five-way	Three-position Five-way	Two-position Five-way	Three-position Five-way	Three-position Five-way	Two-position Five-way	Three-position Five-way	Three-position Five-way
Effective Section Area	16mm ² (CV=0.89)	12mm ² (CV=0.67)	12mm ² (CV=0.67)	25mm ² (CV=1.40)	18mm ² (CV=1.00)	18mm ² (CV=1.00)	12mm ² (CV=0.67)	12mm ² (CV=0.67)	9mm ² (CV=0.50)
Working Medium	40 Micron Filtered Air								
Motion Pattern	Inner Guide Type								
Working-Pressure	0.15~0.8MPa								
Max.Pressure Resistance	1.2MPa								
Operating Temperature	5~50℃								
Voltage Range	±10%								
Power Consumption	AC:4.5VA DC:3W								
Insulation & Protection Class	IP65/F Class.IP65								
Wiring Form	Lead Wire or Connector Type								
Highest Action Frequency	5 Cycle / Sec								
Shortest Excitation Time	0.05 Second								

VF、VZ Series Solenoid Valve

Overall Dimensions



3V1 Series Solenoid Valve



3V1-06

Ordering Code

3V — **1** — **06** — **B** — **AC220V** — **□**

Specification Code
3V: Two-position Three-way Solenoid Valve

Port Size
M5:M5×0.8
06:G1/8"

Standard Voltage
DC12v
DC24v
AC24v 50Hz/60Hz
AC110v 50Hz/60Hz
AC220v 50Hz/60Hz
AC380v 50Hz/60Hz

Wiring Form
Blank:Standard Connector
G:Lead Wire Type
L:With Lighting Connector

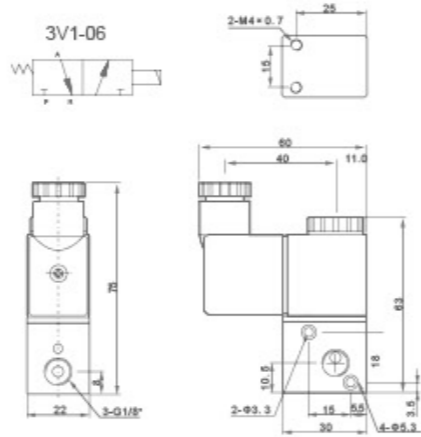
Series Code
100 Series

Connecting Type
Blank:Pipe Connection Type
B:Plate Connection Type

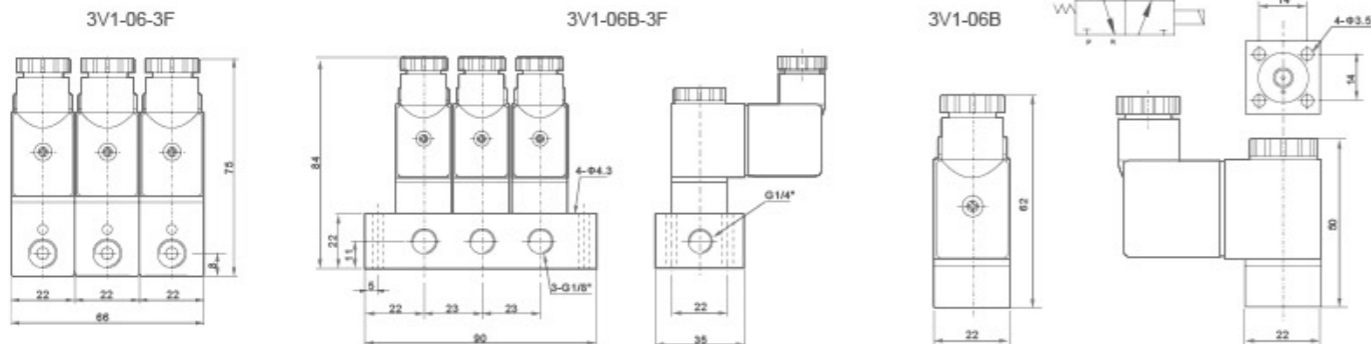
Specification

Model	3V1-M5	3V1-06
Working Medium	40 Micron Filtered Air	
Motion Pattern	Direct Drive Type	
Joint Pipe Bore	M5	1/8"
Ambient Temperature	-10~+60℃	
Gas Temperature	5~60℃	
Air Outlet Diameter	1.0mm	
Lubrication	Not Necessary	
Working-pressure	0~0.8MPa	
Max.Pressure Resistance	1.2MPa	
Power Consumption	AC:4.5VA DC:3.0W	
Protect Class	IP65	
Power Connection Form	Gorl	
Material of Body	Aluminum alloy	
Highest Action Frequency	10Cycle / Sec	
Insulation	F Class	
Voltage Range	±10%	
Shortest Excitation Time	0.05 Second	

Overall Dimensions



Overall Dimensions



Base For 4V、4A Series Valve



Ordering Code

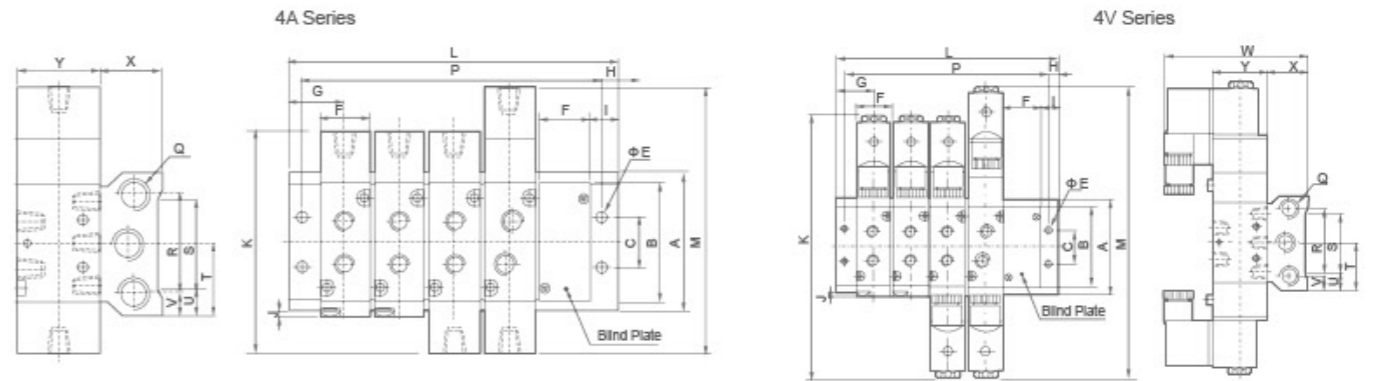
4V — **100M** — **□F**

Series Code
4V:For 4V Series uses
4A:For 4A Series uses

Specification Code
100M:Base for 100 Series Use
200M:Base for 200 Series Use
300M:Base for 300 Series Use
400M:Base for 400 Series Use

Joint Base Number
100M:Wantonly Joint
200M:Wantonly Joint
300M:Wantonly Joint
400M:Wantonly Joint

Overall Dimensions



Dimension Sheet(4A Series)

Model	A	B	C	E	F	G	H	I	J	K	L															
											1F	2F	3F	4F	5F	6F	7F	8F	9F	10F	11F	12F	13F	14F	15F	16F
100M-□F	58	43.2	20	4.5	18.3	19	5	10	0.8	139.4	38	57	76	95	114	133	152	171	190	209	228	247	266	285	304	323
200M-□F	61	50.7	21	4.5	22.4	23	6	12	1.2	170	46	69	92	115	138	161	184	207	230	253	276	299	322	345	368	391
300M-□F	75	64.8	26	4.5	27.3	27	6	13.5	2.5	188.8	54	82	110	138	166	194	22	250	278	306	334	362	-	-	-	-
400M-□F	104	94.5	32	5.5	34.3	31.5	7	14.5	5	221.8	63	98	133	168	203	238	273	-	-	-	-	-	-	-	-	-

Model	M	P																Q	R	S	T	U	V	W	X	Y
		1F	2F	3F	4F	5F	6F	7F	8F	9F	10F	11F	12F	13F	14F	15F	16F									
100M-□F	154.5	28	47	66	85	104	123	142	161	180	199	218	237	256	275	294	313	G1/4"	40	30	29	14	9	79	25	27
200M-□F	189	34	57	80	103	126	149	172	195	218	241	264	287	310	333	356	379	G1/4"	43	32	30.5	14.5	9	93	26	35
300M-□F	208	42	70	98	126	154	182	210	238	266	294	322	350	-	-	-	-	G3/8"	53	48	37.5	13.5	11	99.5	30	40
400M-□F	243	49	84	119	154	189	224	259	-	-	-	-	-	-	-	-	-	G1/2"	68	67	52	18.5	18	112.5	38	50

Dimension Sheet(4V Series)

Model	A	B	C	E	F	G	H	I	J	K	L															
											1F	2F	3F	4F	5F	6F	7F	8F	9F	10F	11F	12F	13F	14F	15F	16F
100M-□F	58	43.2	20	4.5	18.3	19	5	10	0.8	81	38	57	76	95	114	133	152	171	190	209	225	247	266	285	304	323
200M-□F	61	50.7	21	4.5	22.4	23	6	12	1.2	92	46	69	92	115	138	161	184	207	230	253	276	299	322	345	368	391
300M-□F	75	64.8	26	4.5	27.3	27	6	13.5	2.5	111	54	82	110	138	166	194	22	250	278	306	334	362	-	-	-	-
400M-□F	104	94.5	32	5.5	34.3	31.5	7	14.5	5	142	71	98	133	168	203	238	273	-	-	-	-	-	-	-	-	-

Model	M	P																Q	R	S	T	U	V	X	Y
		1F	2F	3F	4F	5F	6F	7F	8F	9F	10F	11F	12F	13F	14F	15F	16F								
100M-□F	96	28	47	66	85	104	123	142	161	180	199	218	237	256	275	294	313	G1/4"	40	30	29	14	9	25	27
200M-□F	111	34	57	80	103	126	149	172	195	218	241	264	287	310	333	356	379	G1/4"	43	32	30.5	14.5	9	26	35
300M-□F	130	42	70	98	126	154	182	210	238	266	294	322	350	-	-	-	-	G3/8"	53	48	37.5	13.5	11	30	40
400M-□F	163	49	84	119	154	189	224	259	-	-	-	-	-	-	-	-	-	G1/2"	68	67	52	18.5	18	38	50

Base For VF、VZ Series Valve



Ordering Code

VF3000M

F

Specification Code

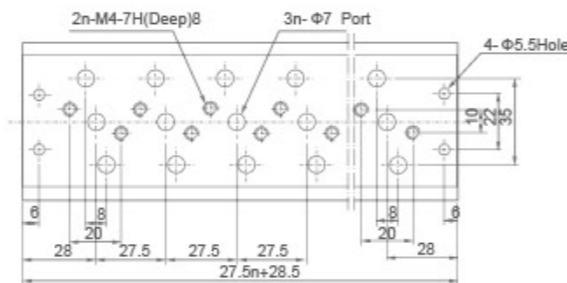
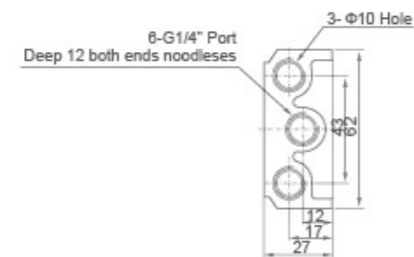
VF3000M:For VF3 Series Use
VF5000M:For VF5 Series Use
VZ5000M:For VZ5 Series Use

Joint Base Number

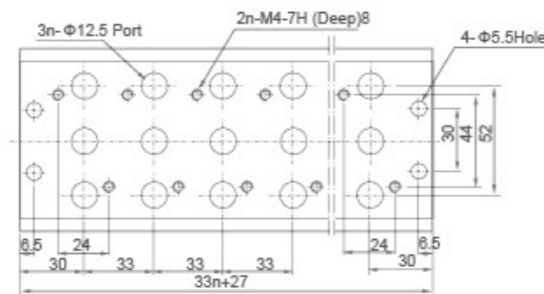
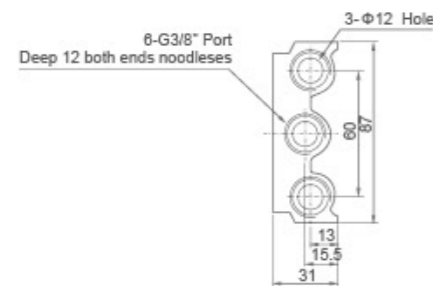
VF3000M:Wantonly Joint
VF3000M:Wantonly Joint
VF3000M:Wantonly Joint

Overall Dimensions

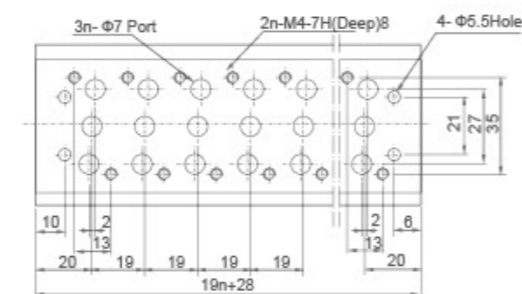
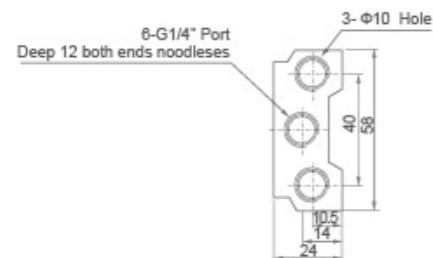
VF3000M



VF5000M



VZ5000M



Blind plate for 4V、4A Series Valve



Ordering Code

4V、4A

100M

B

Series Code

4V:For 4V Series Use
4A:For 4A Series Use

Specification Code

100M:For 100 Series Use
200M:For 200 Series Use
300M:For 300 Series Use
400M:For 400 Series Use

Blind Plate Code

B:Base Purposed
Blind Plate

Blind plate Operating Instructions:
When base quantity is more than solenoid (pneumatic) valve quantity, can use blind plate to seal the redundant valve base temporary, and then change it if add extra solenoid (pneumatic) valve. Like this can expand system.

Hand/Mechanical Valve

The valve is controlled by human or machine, to switch the direction of air flow. These valves included hand pull, hand draw, button control, rotary and foot valve. Body is made from aluminum, machining by CNC center. XCPC used the high grade of material and imported machine to make all the details perfect.



MSV Series Mechanical Valve



MSV86522-EB MSV86522-PB MSV86522-TB MSV86522-LB MSV86522-PP MSV86522-PPL MSV86522-R

Ordering Code

MSV **98** **32** **1** **R**

Specification Code Mechanical Valve 86 Series

Series Code 98 Series

Position and Way No 32: Two-position Three-way
52: Two-position Five-way

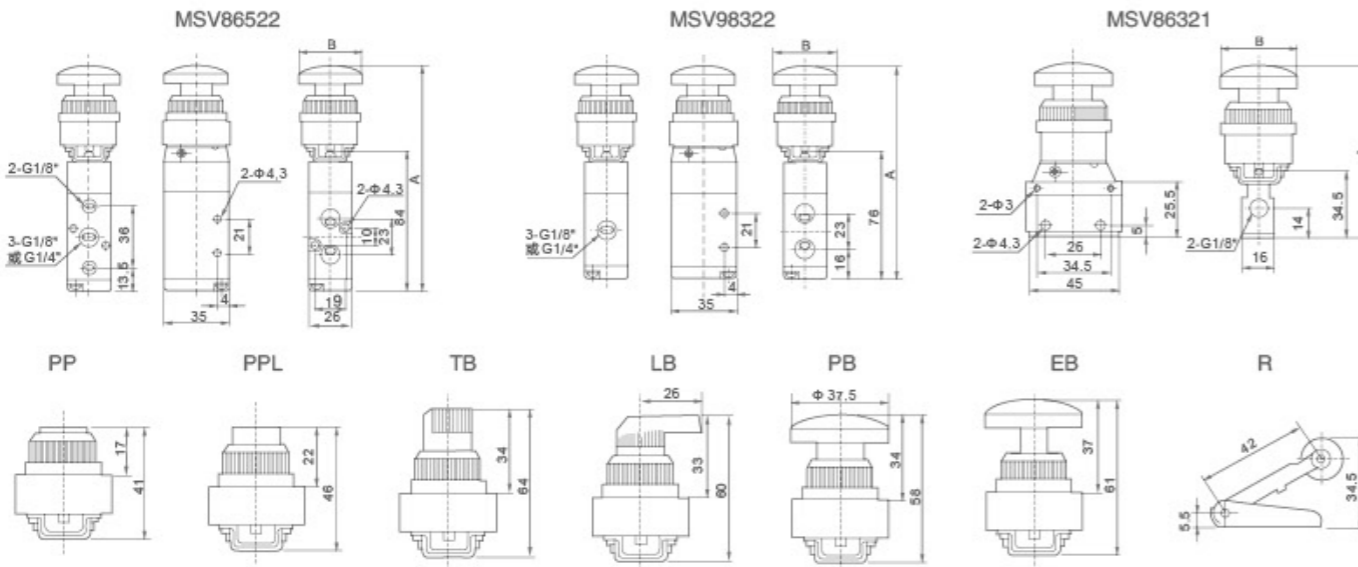
Port Size 1: G1/8"
2: G1/4"

Button Type
Blank: Normal Type
R: Roller Type
TB: Selective Knob
LB: Strengthened Knob
PB: Large Round Button
PP: Plat Round Button
PPL: Convex Round Button
EB: With Lock Button

Specification

Model	MSV86321	MSV86522	MSV98322
Working Medium	40 Micron Filtered Air		
Position and Way No.	Two-position Three-way	Two-position Five-way	Two position Three-way
Effective Section Area	12mm ² (CV=0.67)	16mm ² (CV=0.89)	16mm ² (CV=0.89)
Port Size	G1/8"	G1/4"	G1/4"
Pressure Range	0~0.8Mpa		
Temperature Range	0~60℃		

Overall Dimensions



Dimension Sheet

Model	Symbol/Model	PP	PPL	LB	TB	EB	PB	R
MSV86522	A	114	119	133	136.5	134	131	107.5
	B	39.5	24.5	26.5	36.5	39.5	37.5	42.5
MSV98322	A	106	111	125	129.5	126	123	99.5
	B	39.5	24.5	26.5	36.5	39.5	37.5	42.5
MSV86321	A	66	71	85	88.5	86	83	59.5
	B	39.5	24.5	26.5	36.5	39.5	37.5	42.5

JMJ Series Mechanical Valve



JMJ-01 MJMJ-02 MJMJ-03 MJMJ-04 MJMJ-05 MJMJ-06 MJMJ-07

Ordering Code

JMJ **01**

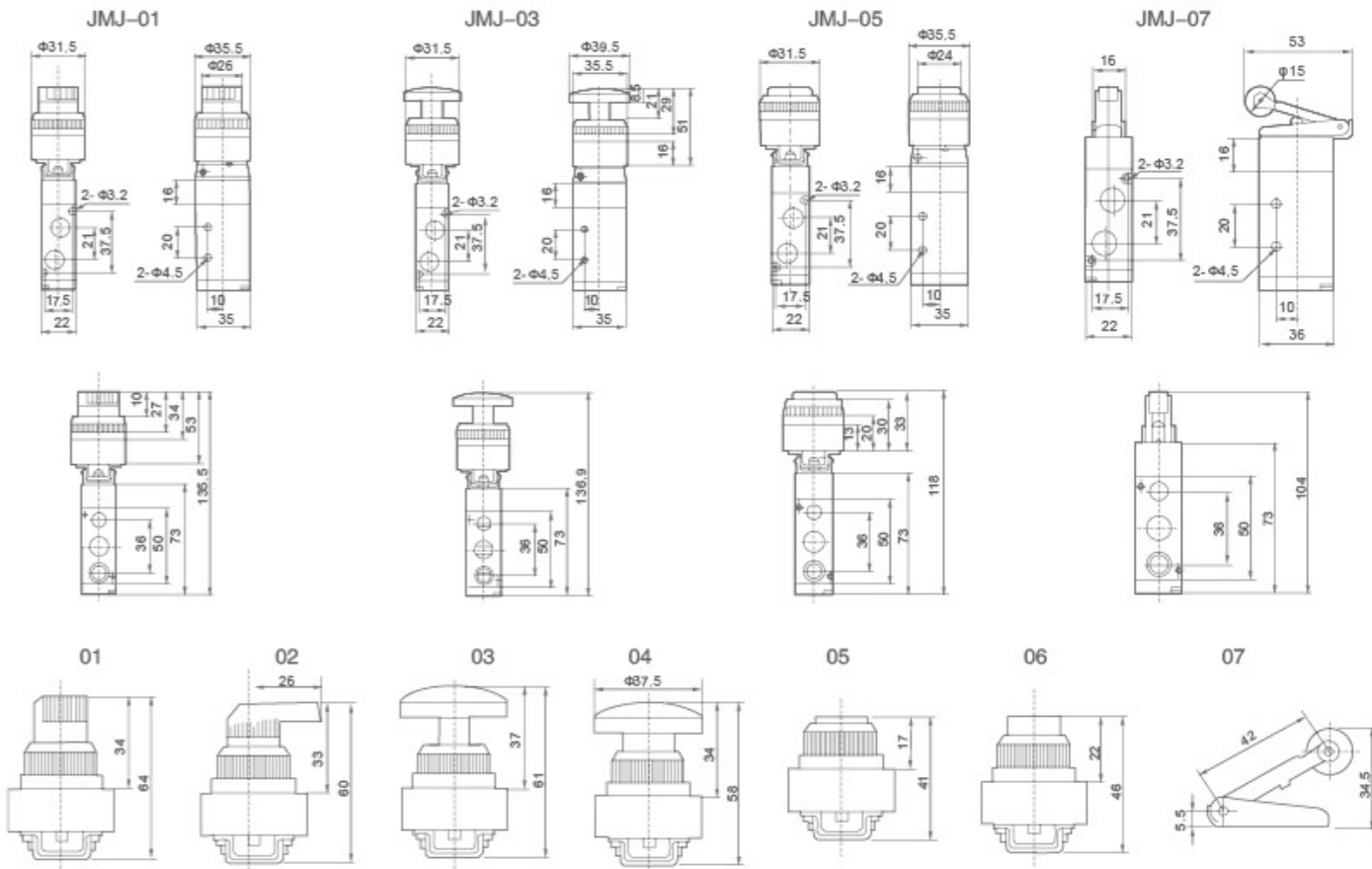
Specification Code Joint Pipe Bore G1/4" Two-position Three-way Mechanical Valve

Button Type
01: Selective Knob
02: Strengthened Knob
03: With Lock Button
04: Large Round Button
05: Plat Round Button
06: Convex Round Button
07: Roller Type

Specification

Model	JMJ-01、02、03、04、05、06、07
Port Size	G1/4"
Working Medium	Air
Temperature Range	0~60℃
Pressure Range	0~1MPa
Effective Section Area	25mm ²
Lubrication	Not Necessary

Overall Dimensions



JM Series Mechanical Valve



Ordering Code

JM

05

Specification Code
Stop-type Mechanical Valve

Button Type
05: Selective Knob
06: With Lock Button
06A: Convex Round Button
07: Roller Type

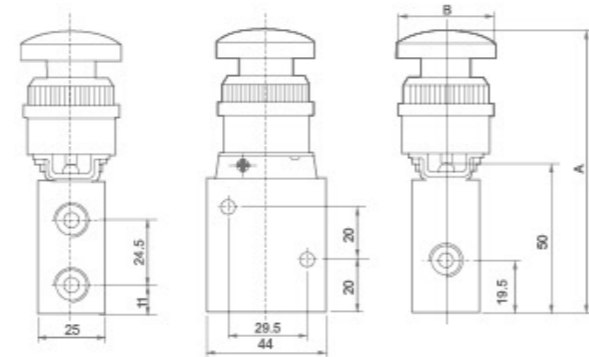
Specification

Model	JM-05	JM-06	JM-06A	JM-07
Working Medium	40 Micron Filtered Air			
Position and Way No.	Two-position Three-way, Two-position Two-way			
Port Size	G1/4"			
Working-pressure Range	0~0.8MPa			
Operating Temperature	0~60℃			

Dimension Sheet

Model	JM-05	JM-06	JM-06A	JM-07
A	114	111	96	84.5
B	36.5	39.5	39.5	42.5

Overall Dimensions



MOV Series Mechanical Valve



Ordering Code

MOV

01

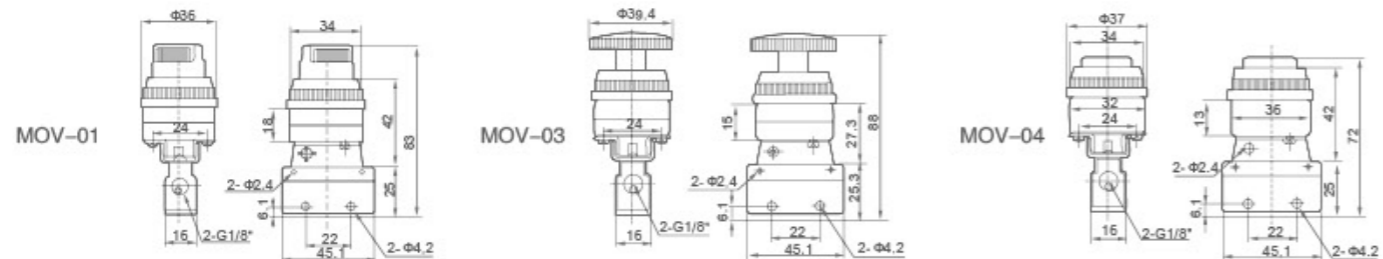
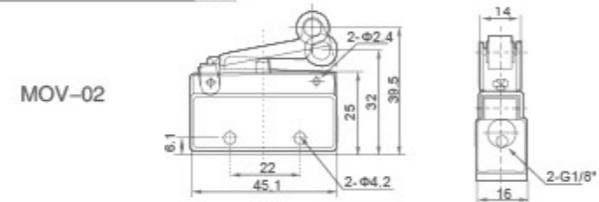
Specification Code
Machine-Control, Hand-Control Valve

Button Type
01: Selective Knob
02: Roller Type
03: With Lock Button
04: Convex Round Button

Specification

Model	MOV-01	MOV-02	MOV-03	MOV-04
Working Medium	Air			
Position and Way No.	Two-position Two-way			
Port Size	G1/8"			
Working-pressure Range	0~0.8MPa			
Operating Temperature	0~70℃			

Overall Dimensions



XS3 Series Mechanical Valve

NEW!



Ordering Code

S3

PM

06

R

Specification Code
Two-Position Three way Mechanical Valve

Button Type
B: Normal
C: Long Handle
D: Shaft Handle
Y: Rocjer
R: Roller lever
L: One way Roller lever
V: Vertical roller
PL: Park Rotation Button
PP: Convers Button
PF: Plat Button
PM: Large Round Button
HS: Selective Knob

Port Size
05: M5
06: PT1/8"
08: PT1/4"

Button Color

Specification	Button Color
PL Type	R: Red
PP Type/PF Type	R: Red
PM Type/HS Type	G: Green
	B: Black
Other Model	No

Specification

Model	S3B	S3C	S3D	S3V	S3R	S3L	S3Y	S3PM	S3PP	S3PF	S3PL	S3HS
Working Medium	Filtered 40µm Air											
Motion Pattern	External Direct Action Contorl											
Port Size	05: M5; 06: PT1/8"; 08: PT1/4"											
Effective Sectional Area	05: 2.4mm ² (Cv=0.45); 08: 12.0mm ² (Cv=0.67)											
Position and Way Area	Two-Position Three-Way											
Lubrication	Not required											
Working Pressure Resistance	0~0.8MPa											
Ensured Pressure Resistance	1.5MPa											
Working Temperature	-20~70℃											
Body Material	Aluminum Alloy											

XT Series Toggles Valve

NEW!



4R Series Hand-draw Valve



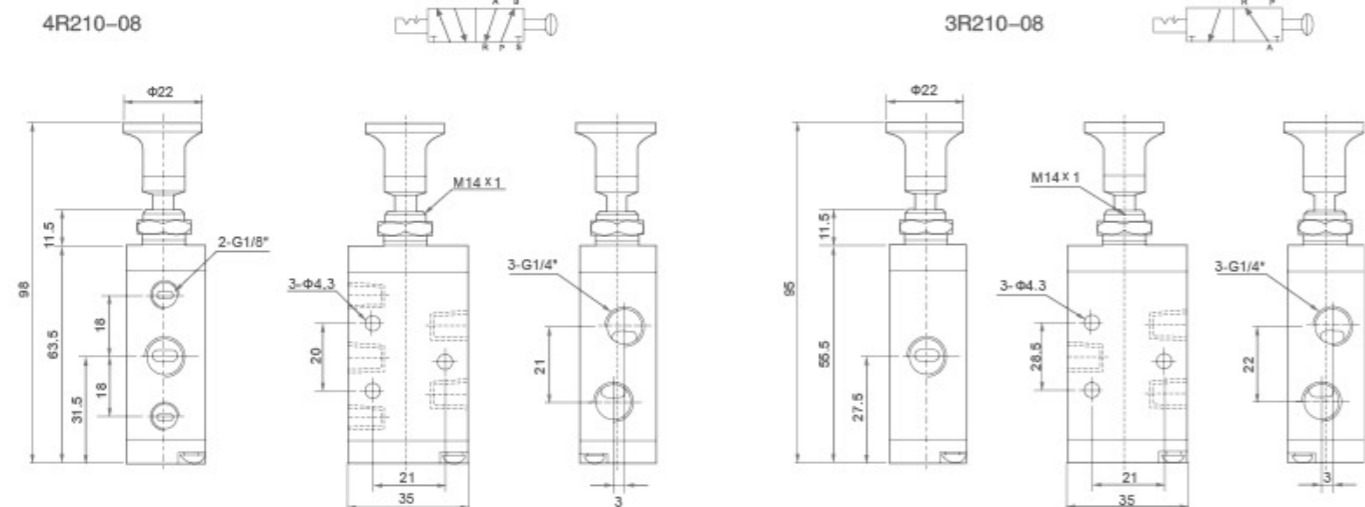
Ordering Code

4R	2	10	06
Specification Code 4R:Two-position Five-way Hand-draw Valve 3R:Two-position Three-way Hand-draw Valve	Series Code 100 Series 200 Series 300 Series 400 Series	Number of Places 10:Single-head Double-position	Port Size 06:G1/8" 08:G1/4" 10:G3/8" 15:G1/2"

Specification

Model	4R110-06	4R210-08	4R310-10	4R410-15	3R110-06	3R210-08	3R310-10	3R410-15
Working Medium	Compress Air							
Position and Way No.	Two-position Five-way				Two-position Three-way			
Joint Pipe Bore	G1/8"	G1/4"	G3/8"	G1/2"	G1/8"	G1/4"	G3/8"	G1/2"
Working-pressure Range	0~1.0MPa							
Operating Temperature Range	-5~60℃							
Operating Method	Direct Action Type							
Lubrication	Not Required							

Overall Dimensions



HV,K34 Series Hand-switching Valve



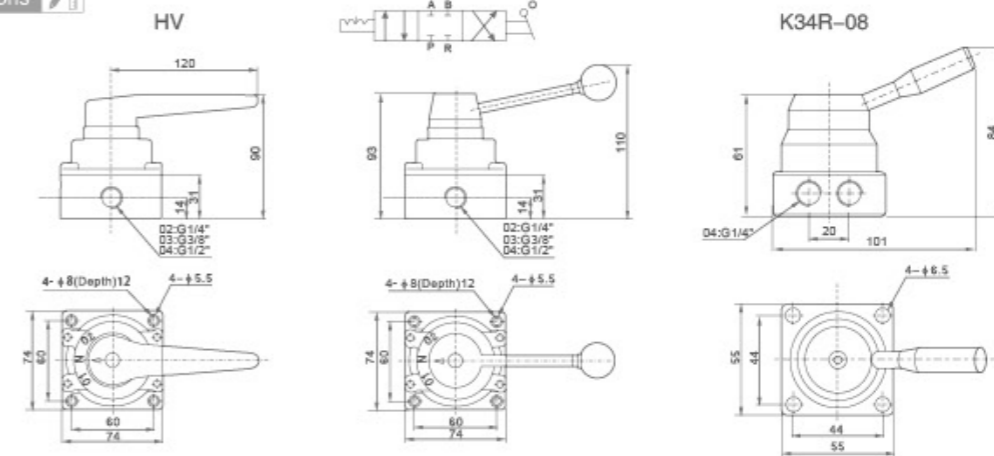
Ordering Code

HV	02	□	K	34	R₈	L8	D
Series Code HV Series	Port Size 02:G1/4" 03:G3/8" 04:G1/2"	Joint Pipe Type Blank:Pipe Connection Type B:Plate Connection Type	Series Code K Series	Position and way No. 24:Two-position Four-way 34:Three-position Four-way	Type Code R ₈ :Hand-switching Valve	Port Size L6:G1/8" L8:G1/4"	Base Joint

Specification

Model	HV-02	HV-03	HV-04	K34R ₆ -L6	K34R ₈ -L8
Working Medium	40 Micron Filtered Air				
Effective Sectional Area	30mm ² (cv+1.68)			18mm ² (cv+1.00)	
Port Size	G1/4"	G3/8"	G1/2"	G1/8"	G1/4"
Working-pressure Range	0~0.8MPa				
Operating Temperature Range	0~60℃				

Overall Dimensions



4HV Series Hand-switching Valve



Ordering Code

4HV	230	08	T
Series 4HV Series	Position and way No. 230: Two-position Four-way 330: Three-position Four-way	Port Size 08: G1/4" 10: G3/8" 15: G1/2"	Install Type Blank: Body of Valve Install T: Panel Install

TSV Series Hand-pull Valve



TSV86522-M



TSV98322-M

Ordering Code

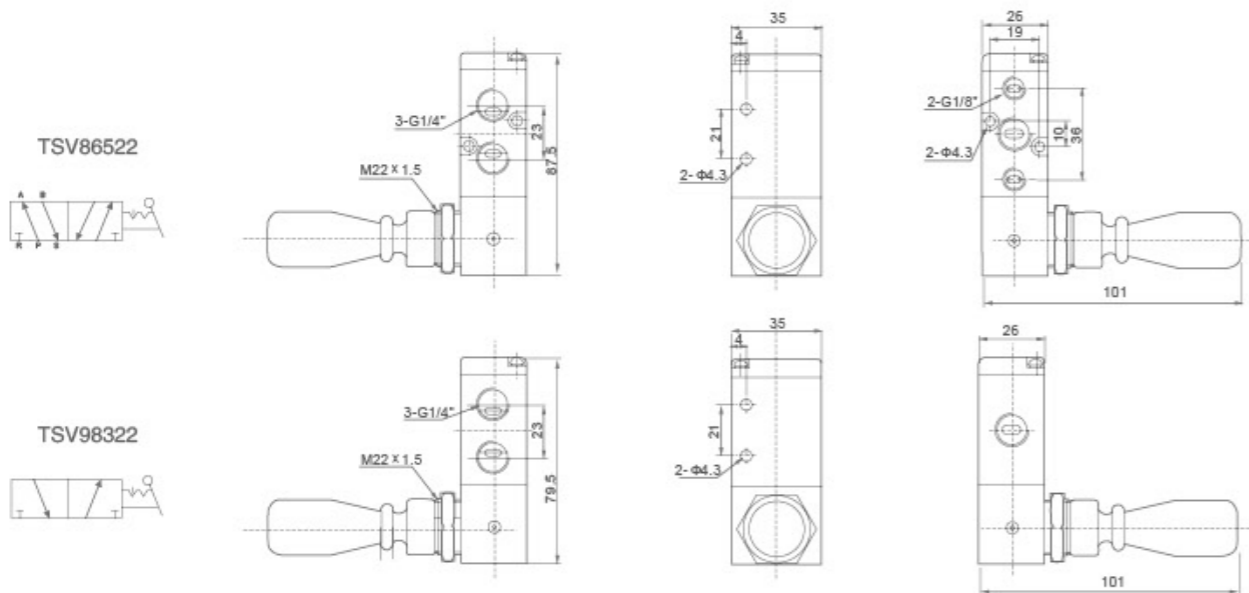
TSV86 | **52** | **2** | **M**
Specification Code Hand-pull Valve
Position and Way NO. Two-position Five-way
Port Size 1:G1/8" 2:G1/4"
Type Code M:Machinery Locking Type S:Spring Return Type

TSV98 | **32** | **2** | **M**
Specification Code Hand-pull Valve
Position and Way NO. Two-position Three-way
Port Size 1:G1/8" 2:G1/4"
Type Code M:Machinery Locking Type S:Spring Return Type

Specification

Model	TSV86522M/S	TSV98322M/S
Working Medium	40 Micron Filtered Air	
Motion Pattern	Direct Drive Type	
Effective Sectional Area	18mm ² (CV=1.00)	
Port Size	G1/4"	
Working-pressure Range	0~1.0MPa	
Operating Temperature Range	0~60℃	

Overall Dimensions



4H Series Hand-pull Valve



4H330-10



4H210-06

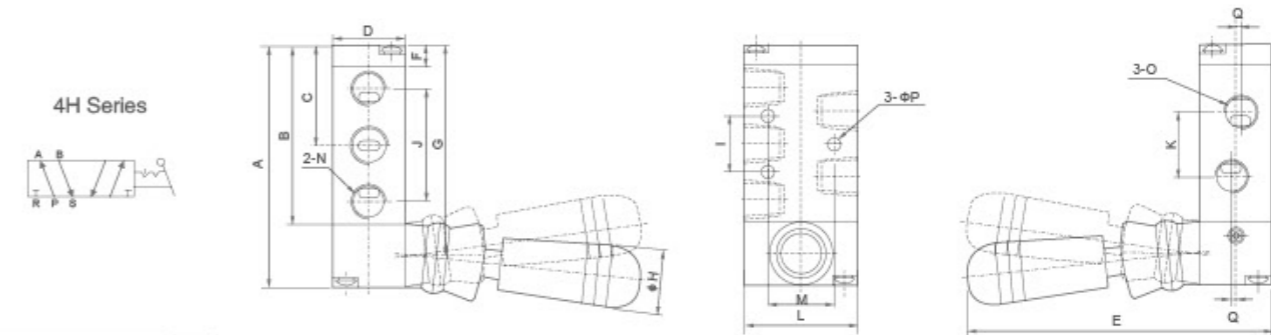
Ordering Code

4H | **2** | **10** | **06** | **□**
Specification Code 4H:Two(Three)-position Five-way Hand Pull Valve
Position and way No 2:200 Series 3:300 Series 4:400 Series
Number of places 10:Single-head Double-position 30:Single-head Three-position
Port Size 06:G1/8" 08:G1/4" 10:G3/8" 15:G1/2"
Type Code Blank:Two-Position Five-way lock type L:Three-Position Five-way lock type S:Two(Three)- Position Five-way spring return type

Specification

Model	4H210-06	4H210-08	4H230-08	4H310-08	4H310-10	4H330-10	4H410-15	4H430-15
Working Medium	40 Micron Filtered Air							
Motion Pattern	Direct Drive Type							
Effective Section Area	14mm ² (CV=0.78)	16mm ² (CV=0.89)	12mm ² (CV=0.87)	25mm ² (CV=1.4)	30mm ² (CV=1.68)	30mm ² (CV=1.68)	50mm ² (CV=2.79)	50mm ² (CV=2.79)
Port Size	Air Inlet=Air Outlet= Exhaust=G1/8"	Air Inlet=Air Outlet= Exhaust=G1/4"	Air Inlet=Air Outlet= Exhaust=G1/4"	Air Inlet=Air Outlet= Exhaust=G1/4"	Air Inlet=Air Outlet= G3/8" Exhaust=G1/4"	Air Inlet=Air Outlet= G3/8" Exhaust=G1/4"	Air Inlet=Air Outlet= Exhaust=G1/2"	Air Inlet=Air Outlet= Exhaust=G1/2"
Working-Pressure Range	0~1.0MPa							
Operating Temperature Range	0~60℃							

Overall Dimensions



Dimension Sheet

Symbol/Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
4H210-06	76.5	56.5	31.5	22	95	6.5	66.5	18	20	36	21	35	21	G1/8"	G1/8"	4.3	-
4H230-06	76.5	56.5	31.5	22	95	6.5	66.5	18	20	36	21	35	21	G1/8"	G1/8"	4.3	-
4H230-06(S)	97.5	75.5	31.5	22	95	6.5	85.5	18	20	36	21	35	21	G1/8"	G1/8"	4.3	-
4H210-08	76.6	56.5	31.5	22	95	6.5	66.5	18	20	36	21	35	21	G1/8"	G1/4"	4.3	1.5
4H230-08L	97.5	75.5	31.5	22	95	6.5	66.5	18	20	36	21	35	21	G1/8"	G1/4"	4.3	1.5
4H230-08(S)	97.5	75.5	31.5	22	95	6.5	85.5	18	20	36	21	35	21	G1/8"	G1/4"	4.3	1.5
4H310-08	92	72.5	40	27	100	7.5	82.5	18	24	45	24	40	27	G1/4"	G1/4"	4.3	-
4H310-10	92	72.5	40	27	100	7.5	52.5	18	24	45	24	40	27	G1/4"	G3/8"	4.3	2
4H410-15	126	102	55.5	34	100	7.5	114	18	28	63	36	50	35	G1/2"	G1/2"	5.5	-

4F、FV Series Foot Valve



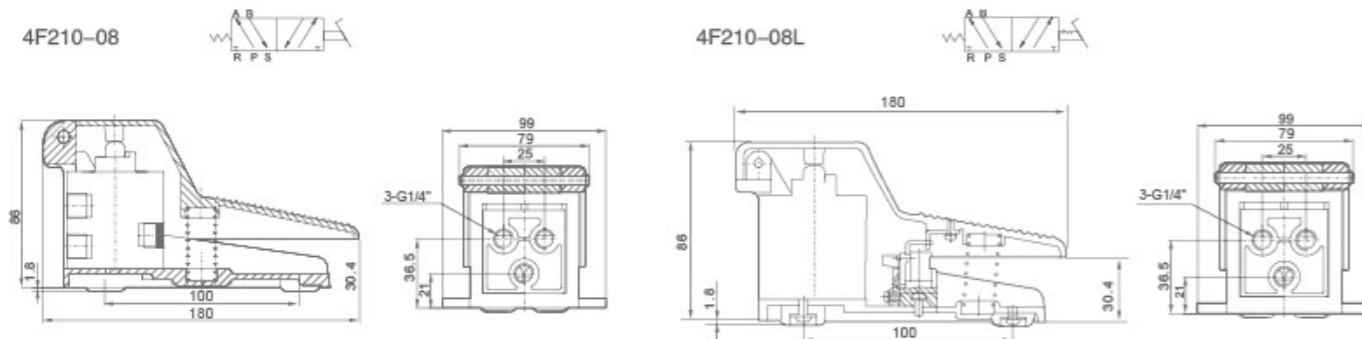
Ordering Code

4F	-	2		10	-	08	-	□		FV	-	320
Specification Code		Series Code		Number of Places		Port Size		Type Code		Specification Code		Position and way No
4F:Two-position Five-way Foot Valve		2:200 Series		10:Single-head Double-position		08:G1/4"		Blank:Standard Type L:With Lock G:With Cover LG:With Lock And Cover		FV:Foot Valve		320:Two-position Three-way 420:Two-position Four-way

Specification

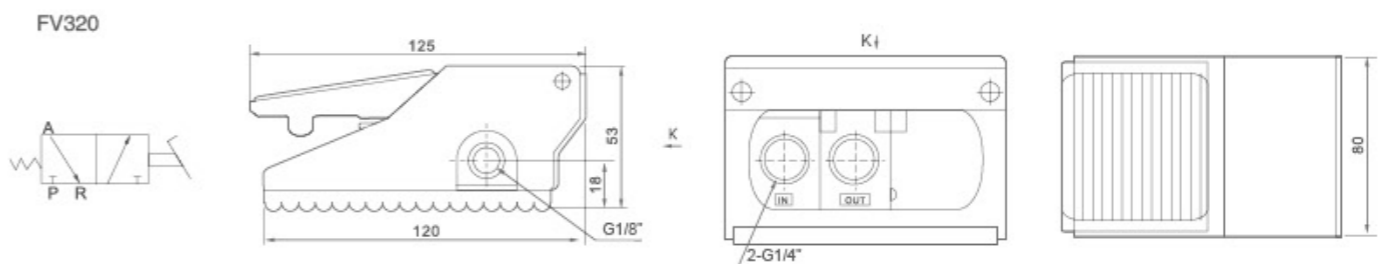
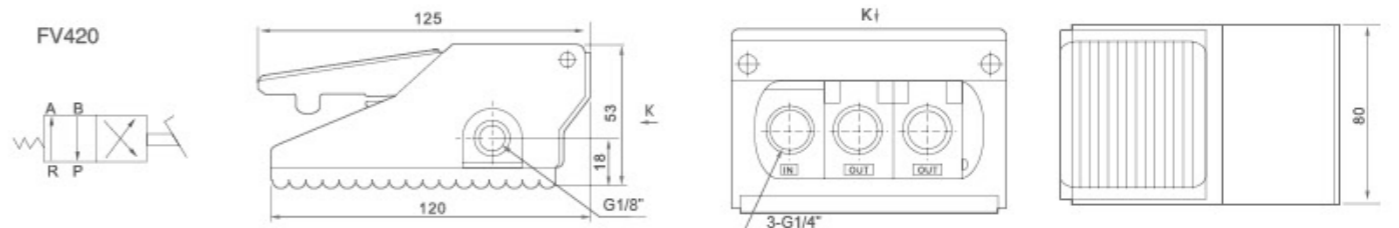
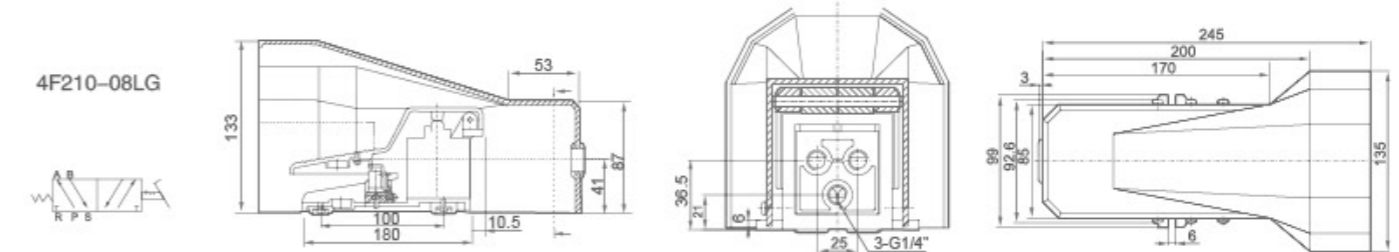
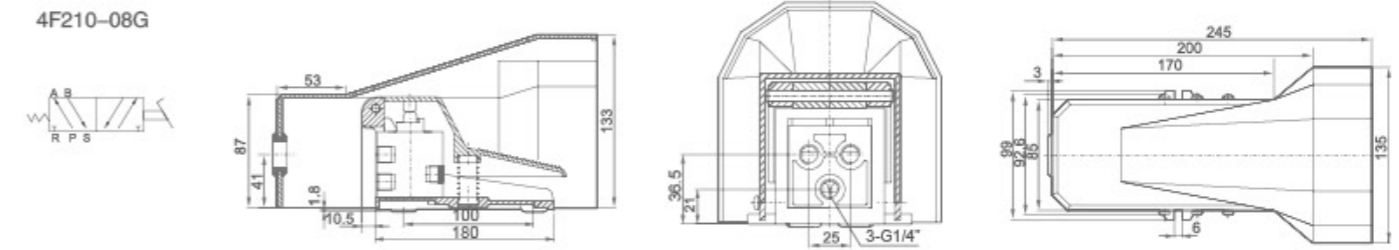
Model	4F210-06	4F210-08L	4F210-08G	4F210-08LG	FV420	FV320
Working Medium	40 Micron Filtered Air					
Position and Way Number	Two-position Five-way			Two-position Four-way		Two-position Three-way
Motion Patten	Direct Drive Type					
Port Size	Air Inlet=Air Outlet=Exhaust=G1/4"			Air Inlet=Air Outlet=G1/4" Exhaust=G1/8"		
Working-pressure Range	0.15~0.9MPa					
Operating Temperature Range	0~60℃					

Overall Dimensions



4F、FV Series Foot Valve

Overall Dimensions



SK Series Foot Valve



SK25R7-08

Ordering Code

SK **23** **R₇** **L8**

Series Code SK
Foot Valve

Position and Way Number 23: Two-position Three-way
25: Two-position Five-way

Type Code R₇:Foot Type

Port Size L6: G1/8"
L8:G1/4"

Specification

Model	SK23R ₇ -L6	SK25R ₇ -LB
Diameter	6mm	8mm
Working Medium	Compress Air	
Working Pressure:	0.05~0.8MPa	
Medium Temperature:	-10~55℃	
Environment Temperature:	-5~50℃	
Effective Sectional Area	10mm ²	20mm ²
Letting Out Amount	≤50 cm ³ /min	
Operating Power	≤80N	≤100N
Life(ten thousand)	≥200	

SH Series Manual Valve



SH-402

Ordering Code

SH **402** **S**

Series Code SH
Foot Valve

Port Size 402: G1/4"
403: G3/8"

Type Code S:Spring Reset Type

Specification

Model	SH-402	SH-402S	SH-403	SH-403S
Working Medium	Air			
Working-pressure Range	0.15~0.9MPa			
Working-temperature Range	0~70℃			
Port Size	G1/4"		G3/8"	
Position Number	Two-position Five-way			

ST Series Foot Valve



ST-402

Ordering Code

ST **402** **S**

Series Code ST
Foot Valve

Port Size 402: G1/4"
403: G3/8"

Type Code S:Spring Reset Type

Specification

Model	ST-402	ST-402S	ST-403	ST-403S
Working Medium	Air			
Working-pressure Range	0.15~0.9MPa			
Working-temperature Range	0~70℃			
Port Size	G1/4"		G3/8"	
Position Number	Two-position Five-way			

RE Series Flow Control Valve



RE-02

Ordering Code

RE **01**

Series Code RE
RE:Ordinary Type
Flow Control Valve

Port Size 01:G1/8"
02:G1/4"
03:G3/8"
04:G1/2"

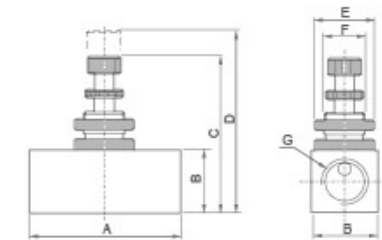


Graphic Symbol

Specification

Model	RE-01	RE-02	RE-03	RE-04
Port Size	G1/8"	G1/4"	G3/8"	G1/2"
Working Medium	Air			
Working-pressure Range	0~0.95MPa			
Operating Temperature Range	0~60℃			

Overall Dimensions



Dimension Sheet

Model	A	B	C	D	E	F	G
RE-01	45	19	43	50	Φ19	M14×1	G1/8
RE-02	45	19	43	50	Φ19	M14×1	G1/4
RE-03	55	25	55	62	Φ25	M18×1	G3/8
RE-04	55	25	55	62	Φ25	M18×1	G1/2

Asc Series Accurate Type Flow Control Valve



ASC-06

Ordering Code

ASC **08**

Series Code ASC
ASC:Accurate Type
Flow Control Valve

Port Size 06:G1/8"
08:G1/4"
10:G3/8"
15:G1/2"

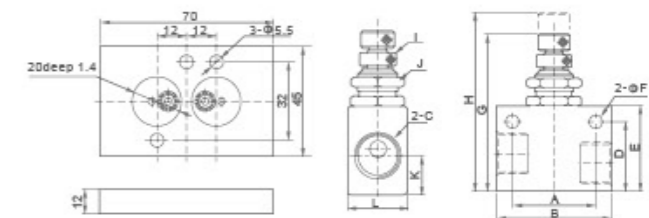


Graphic Symbol

Specification

Model	ASC-06	ASC-08	ASC-10	ASC-15
Port Size	G1/8"	G1/4"	G3/8"	G1/2"
Working Medium	Air			
Working-pressure Range	0~0.95MPa			
Operating Temperature Range	0~60℃			

Overall Dimensions



Dimension Sheet

Model	A	B	C	D	E	F	G	H	I	J	K	L
ASC-06	22	32	G1/8	22	27	4.3	49.7	56.5	M6×0.5	M12×0.75	12	18
ASC-08	26	36	G1/4	22	27	4.3	49.7	56.5	M6×0.5	M12×0.75	12	18
ASC-10	28	40	G3/8	25	30	4.3	52.7	59.5	M6×0.5	M12×0.75	13	22
ASC-15	28	40	G1/2	30	35	4.3	58.7	65.5	M6×0.5	M12×0.75	13.5	26

KLA Series Check Valve



KLA-06

Ordering Code

KLA

Series
KLA:Check Valve

10

Port Size
06:G1/8"
08:G1/4"
10:G3/8"
15:G1/2"
20:G3/4"
25:G1"

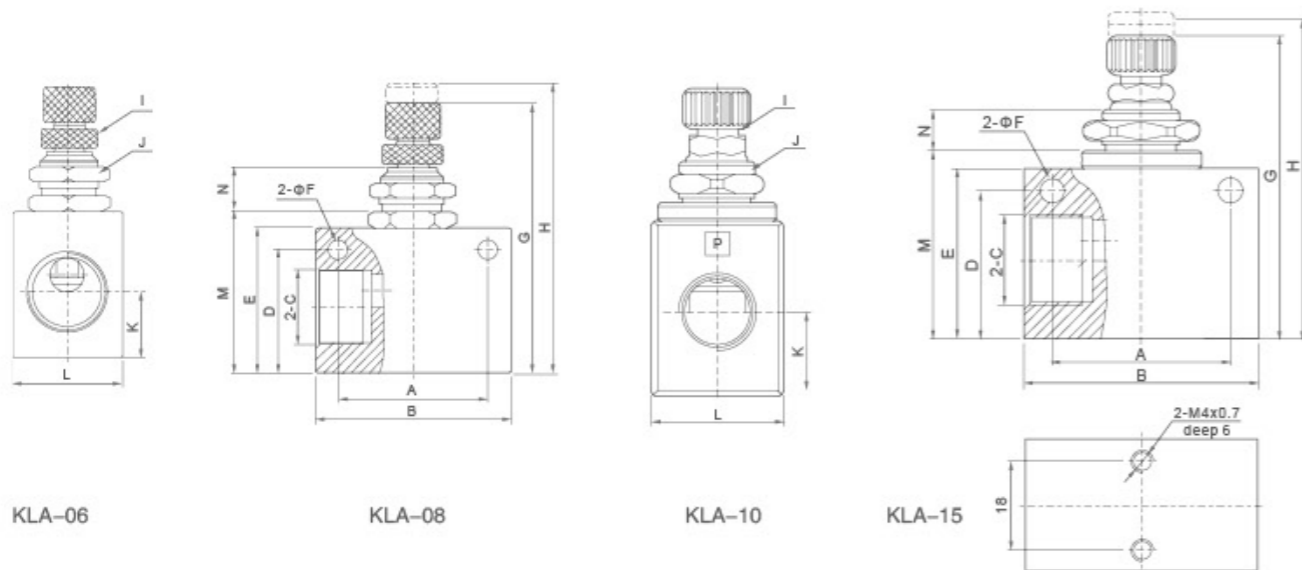
Graphic Symbol



Specification

Model	KLA-06	KLA-08	KLA-10	KLA-15	
Working Medium	Air				
Port Size	G1/8"	G1/4"	G3/8"	G1/2"	
Working-pressure Range	0.5~0.95 Kg/cm ²				
Ensured Pressure Resistance	15.0 Kg/cm ²				
Operating Temperature Range	-5~60℃				
Body of Material	Aluminum Alloy				
Standard Rated Flow(L/min)	Check Valve One-way Valve	200 400	450 800	1250 1500	1650 2000

Overall Dimensions



Dimension Sheet

Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N
KLA-06	22	32	PT1/8	18	23	4.3	46.8	52.3	M6×0.5	M12×0.75	10	18	26	8.6
KLA-08	26	36	PT1/4	23	27	4.3	50.8	56.3	M6×0.5	M12×0.75	13.5	18	30	8.6
KLA-10	35	50	G3/8	37	37	5.3	65	74	M8×0.75	M16×1	17.5	28	40.5	10.2
KLA-15	35	50	G1/2	32	37	5.3	65	74	M8×0.75	M16×1	17.5	28	40.5	10.2

KA Series Check Valve



KA-08

Ordering Code

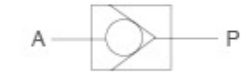
KA

Series
KA:Check Valve

L8

Port Size
L06:G1/8"
L08:G1/4"
L10:G3/8"
L15:G1/2"
L20:G3/4"
L25:G1"
L32:G1-1/4"
L40:G1-1/2"
L50:G2"

Graphic Symbol



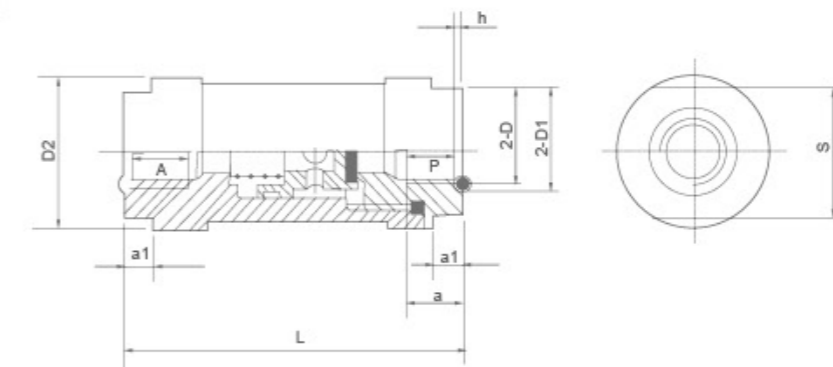
Product instruction

The valve is unidirectional control element. When passing the valve, the working medium can only flow along a given direction. In operation, when the medium pressure direction changed, the valve functions to stop the return of the medium in the system. Therefore, the product is also called non-return valve.

Specification

Model	KA-L06	KA-L08	KA-L10	KA-L15	KA-L20	KA-L25	KA-L32	KA-L40	KA-L50
Working-pressure	0.05~0.8MPa								
Environment Temperature	-10~+55℃								
Medium Temperature	0~+55℃								
Circulating Ability	10	20	40	60	110	190	300	400	650
Startup Ability	≤0.03MPa								
Leak Out Flow(cm ³ /min)	50	50	120	120	250	250	500	500	500
Respond Time(Sec)	0.03								
Life(Ten Thousand Times)	≥150								

Overall Dimensions



Dimension Sheet

Model	Joint Pipe Code	D	D1	D2	S	L	a	a1	h
KA-L06	6	G1/8 M10×1	Φ13	Φ28	24	64	10	6	1.4 ⁰ _{-0.1}
KA-L08	8	G1/4 M12×1.5	Φ16	Φ28	24	64	12	6	1.4 ⁰ _{-0.1}
KA-L10	10	G3/8 M16×1.5	Φ20	Φ40	36	86	14	10	1.8 ⁰ _{-0.1}
KA-L15	15	G1/2 M20×1.5	Φ26	Φ40	36	86	14	10	1.8 ⁰ _{-0.1}
KA-L20	20	G3/4 M27×2	Φ32	Φ55	46	112	21	12	1.8 ⁰ _{-0.1}
KA-L25	25	G1 M33×2	Φ40	Φ55	46	112	23	12	2.7 ⁰ _{-0.1}
KA-L32	32	G1-1/4 M42×2	Φ48	Φ88	75	161	25	22	2.7 ⁰ _{-0.1}
KA-L40	40	G1-1/2 M48×2	Φ54	Φ88	75	161	26	26	2.7 ⁰ _{-0.12}
KA-L50	50	G2 M60×2	Φ70	Φ100	90	95	26	26	4.5 ⁰ _{-0.18}

KAM Series Check Valve



KAM-08

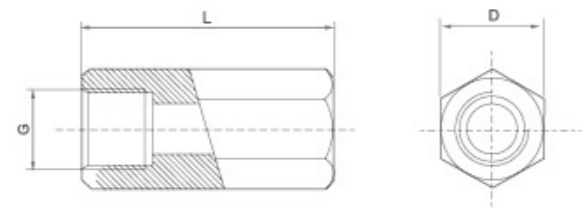
Ordering Code
KAM
Series Code
KAM: Check Valve

15
Port Size
06:G1/8"
08:G1/4"
10:G3/8"
15:G1/2"

Specification

Model	KAM-06	KAM-08	KAM-10	KAM-15
Port Size	G1/8"	G1/4"	G3/8"	G1/2"
Flow mm ² /S	10	20	40	60
Leak Out Flow(cm ² /min)	≤45	≤60	≤80	≤95
Operation Medium	Compressed Air			
Working Temperature Range	-5~60℃			
Working Pressure	0.05~1.2MPa			

Overall Dimensions



Dimension Sheet

Model	G	L	D
KAM-06	G1/8"	37	14
KAM-08	G1/4"	48	17
KAM-10	G3/8"	50	21
KAM-15	G1/2"	60	24

AS Series Check Valve



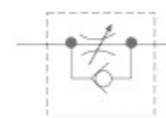
AS4000-02

Ordering Code
AS
Series Code
AS:Check Valve

4000
Specification Code
4000

02
Port Size
02:G1/4"
03:G3/8"
04:G1/2"

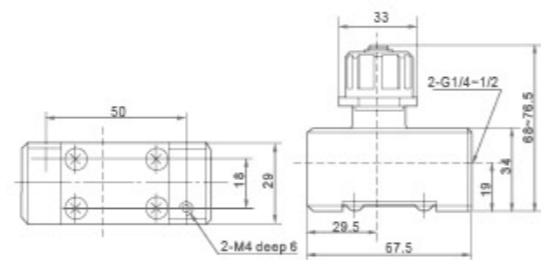
Graphic Symbol



Specification

Model	AS4000-02	AS4000-03	AS4000-04
Port Size	G1/4"	G3/8"	G1/2"
Free Flow Flow(L/min)	1670		
Free Flow Effective Sectional Area(mm ²)	25.5		
Controlled Flow Flow(L/min)	1670		
Controlled Flow Effective Sectional Area(mm ²)	25.5		
Ensured Pressure Resistance	1.5MPa		
Highest Working Pressure	1.0MPa		
Lowest Working Pressure	0.05MPa		
Ambient and Media Temperature	5~60℃		
Regulated Flow Turns	8~9		

Overall Dimensions



AS4000

Note*:Input pressure is 0.5MPa.
Note*:8 turns for AS4000

XQ Series Quick Exhaust Valve



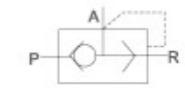
XQ170800

The valve is generally installed on the pipeline between the cylinder and reversal valve and near the cylinder, which directly discharge the air from cylinder without passing the reversal valve and thus to achieve the goal of fast reversion of cylinder.The effect on improving cylinder speed is especially obvious.
P: Connect reversal valve export
A: Connect cylinder
R: Connect muffler

Ordering Code
XQ
Series
XQ:Quick Exhaust Valve

170800
Port Size
170600:G1/8"
170800:G1/4"
171000:G3/8"
171500:G1/2"
172000:G3/4"

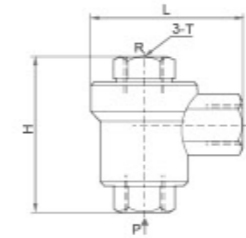
Graphic Symbol



Specification

Model	XQ170600	Xq170800	XQ171000	XQ171500
Joint Threaded	G1/8"	G1/4"	G3/8"	G1/2"
Port Size	6mm	6mm	8mm	15mm
Flow	≥0.9m ³ /min	≥0.9m ³ /min	≥2.5m ³ /min	≥4.5m ³ /min
Timerate(Ten Thousand Times)	≤200			
Working Pressure Range	0.12~1.0MPa			
Exchange Times(S)	≤0.03	≤0.03	≤0.04	≤0.05

Overall Dimensions



Dimension Sheet

Model	T	H	L
XQ170600	G1/8"	39	32
XQ170800	G1/4"	51	45
XQ171000	G3/8"	68	62
XQ171500	G1/2"	77	86

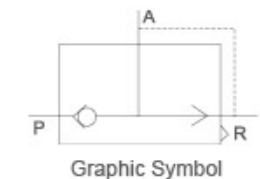
QE Series Quick Exhaust Valve



QE-02

Ordering Code
QE
Series Code
QE:Quick Exhaust Valve

01
Port Size
01:G1/8"
02:G1/4"
03:G3/8"
04:G1/2"
06:G3/4"



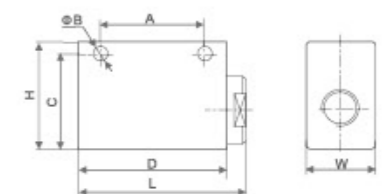
Specification

Model	QE-01	QE-02	QE-03	QE-04	QE-06
Port Size	G1/8"	G1/4"	G3/8"	G1/2"	G3/4"
Effective Section Area	16mm ²	27.5mm ²	38mm ²	71mm ²	72.5mm ²
Working Medium	Air				
Working Pressure Range	0~1.0MPa				
Operating Temperature Range	0~60℃				

Dimension Sheet

Model	Bore	L	W	H	A	B	C	D
QE-01	G1/8"	46	20	32	30	4.3	27	40
QE-02	G1/4"	62	25	40	39	5.6	33.5	55
QE-03	G3/8"	62	25	40	39	5.6	33.5	55
QE-04	G1/2"	98	38	64	60	8.5	51	90
QE-06	G3/4"	98	38	64	60	8.5	51	90

Overall Dimensions



XKP Series Quick Exhaust Valve



XKP-L6

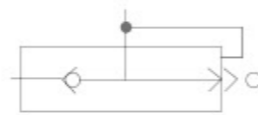
Ordering Code

XKP

Series Code
XKP:Quick Exhaust Valve

L15

Port Size
L6:G1/8" L25:G1"
L8:G1/4" L32:G1-1/4"
L10:G3/8" L40:G1-1/2"
L15:G1/2" L50:G2"
L20:G3/4"

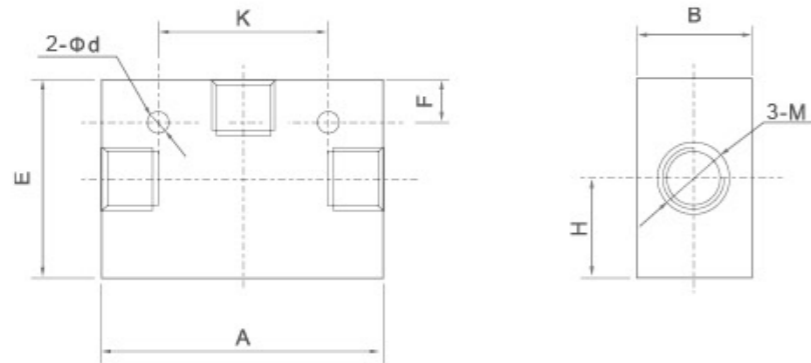


Graphic Symbol

Specification

Model	XKP-L6	XKP-L08	XKP-L10	XKP-L15	XKP-L20	XKP-L25	XKP-L32	XKP-L40	XKP-L50	
Section Area	P→A	10	20	40	60	110	190	300	400	650
	A→□	20	40	60	110	190	300	400	650	900
Leak Out Flow(cm³/min)	≤10		≤25		≤50		≤70			
Working Medium	Compressed Air									
Operating Temperature Range	-5~60℃									
Working-pressure	0.05~1.2MPa									

Overall Dimensions



Dimension Sheet

Model	M	A	K	B	E	H	F	d
XKP-L6	G1/8"	-	-	36	41	10	-	-
XKP-L8	G1/4"	75	-	36	41	10	-	-
XKP-L10	G3/8"	82	58	44	60	23	8	7
XKP-L15	G1/2"	82	58	44	60	23	8	7
XKP-L20	G3/4"	128	98	72	95	36	8	10
XKP-L25	G1"	128	98	72	95	36	8	10
XKP-L32	G1 1/4"	158	126	88	112	44	10	10
XKP-L40	G1 1/2"	158	126	88	112	44	10	10
XKP-L50	G2"	190	148	102	130	52	10	12

ST Series Shuttle Valve



ST-02

Ordering Code

ST

Series Code
ST:Shuttle Valve

01

Port Size
01:G1/8" 04:G1/2"
02:G1/4" 06:G3/4"
03:G3/8" 08:G1"

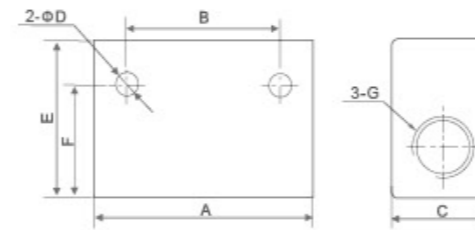


Graphic Symbol

Specification

Model	ST-01	ST-02	ST-03	ST-04	ST-06	ST-08
Working Medium	Air					
Effective Section Area	7.5mm²	21mm²	40mm²	60mm²	110mm²	190mm²
Port Size	G1/8"	G1/4"	G3/8"	G1/2"	G3/4"	G1"
Working Pressure Range	0~1.0MPa					
Operating Temperature Range	-5~60℃					

Overall Dimensions



Dimension Sheet

Model	A	B	C	D	E	F	G
ST-01	40	24	16	4.5	25	20.5	G1/8"
ST-02	50	35	22	5.5	35	25	G1/4"
ST-03	75	48	30	7	50	42	G3/8"
ST-04	75	48	30	7	50	42	G1/2"
ST-06	110	72	40	7	70	58	G3/4"
ST-08	110	72	40	7	70	58	G1"

CV Series Vacuum Valve



CV-15L

Ordering Code

CV

Series Code
CV:Vacuum Valve

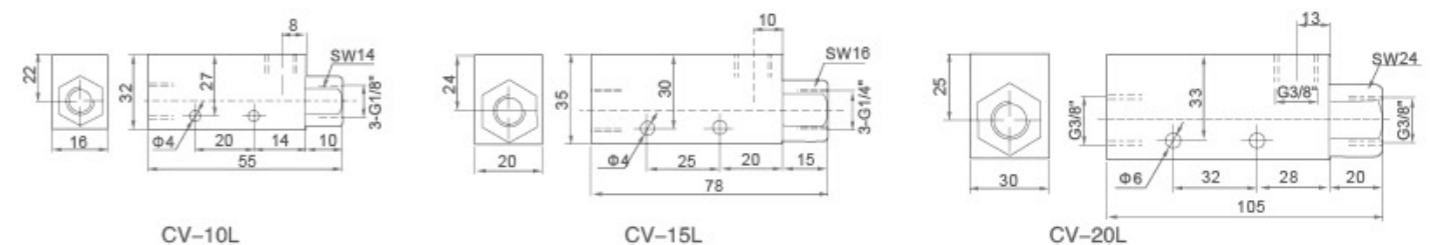
15L

Port Size
10L:G1/8"
15L:G1/4"
20L:G3/8"

Specification

Model	CV-10L	CV-15L	CV-20L
Working Medium	Air		
Working pressure	1.0MPa		
Shortest Excitation Time	0.05 Second		
Leakage Volume	≤10cm³/min		

Overall Dimensions



CV-10L

CV-15L

CV-20L

HSV Series Hand Sliding Valve



HSV-01FM

HSV-03

Ordering Code

HSV
Series Code
HSV:Hand
Sliding Valve

03
Port Size
01:G1/8"
02:G1/4"
03:G3/8"
04:G1/2"
06:G3/4"

□
Port Form
Blank:Two Side Inner Thread
FM:One Side Inner Thread and
One Side Outer Thread
FF:Two Side Outer Thread

Graphic Symbol

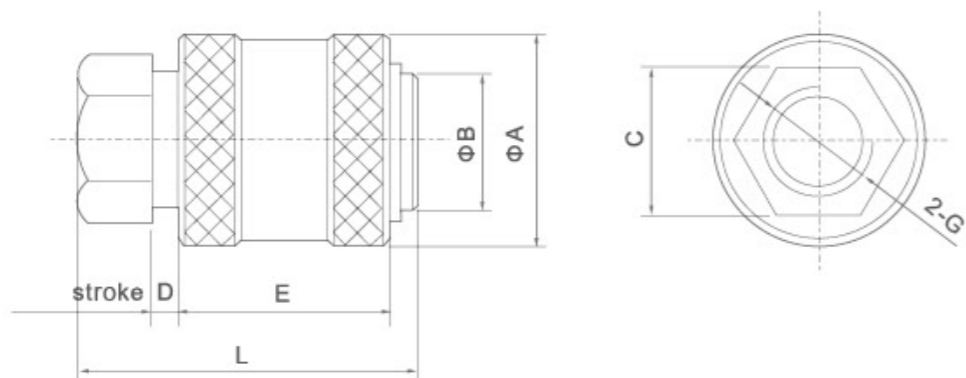


This valve is a two-position three-way hand sliding valve, which is usually installed in the piping to turn on/off air. When it is turned off, the air pressure in the pneumatic system is exhausted simultaneously.

Specification

Model	HSV-01	HSV-02	HSV-03	HSV-04	HSV-06
Port Size	G1/8"	G1/4"	G3/8"	G1/2"	G3/4"
Flow Bore	4mm	7mm	10mm	12mm	18mm
Working Medium	Filtered Air				
Working-pressure	0~1.0MPa				
Ambient Temperature Range	5~60℃				
Working Force	20N			30N	

Overall Dimensions



Dimension Sheet

Model	A	B	C	D	E	L	G
HSV-01	20	13	14	3	20	32	G1/8"
HSV-02	27	18	19	5	32	48	G1/4"
HSV-03	30	21	22	5	32	48	G3/8"
HSV-04	38	24	27	10	40	70	G1/2"
HSV-06	45	32	34	10	45	75	G3/4"

2 Position 2 Way Solenoid Valves

This kind of valve widely used in wide different industry, you can find the valve with different material like brass, stainless steel, engineering plastic, and they are used for pressure range from 0 to 50 bar, temperature from -10 °C to 180°C. If there is no current models with your meet, please contact us, we are available to provide specialized valves according to your requirement.



D

E

General Information About Solenoid Valve

Inner structure and categories of two way solenoid valves

Direct acting solenoid valves

Including normal close style (N.C.) and normal open style(N.O.). The N.C. style solenoid valve stay close at power off condition. When power on, the coil yields electricity-magnetic force, which exceed the spring force and hence pulls active armature approaching to static armature, the valve becomes open; when power off, the electricity-magnetic force disappear and the active armature go back to its original place by the spring force, the valve close. The N.O. style is just opposite. These valve are normally simple structure, dependable action, fast response, high, frequency and with ≤6mm small orifice size(N.O. style ≤4mm).

Diaphragm pilot solenoid valves

This style valve makes main valve and pilot valve together, when power on, the coil yields electricity-magnetic force pulls active armature approaching to static armature, the pilot valve open and control the main valve to open; when power off, the electricity-magnetic force disappear and with the gravity and spring force, the active armature close the pilot valve, which control the main valve to close. The N.O. style is just opposite. These valve are normally with bigger orifice size and ≤10Bar working pressure and with zero differential working pressure.

Piston pilot solenoid valves

Similar with piston pilot solenoid valves, but supports for higher pressure and temperature,with ≥1 Bar differential working pressure.

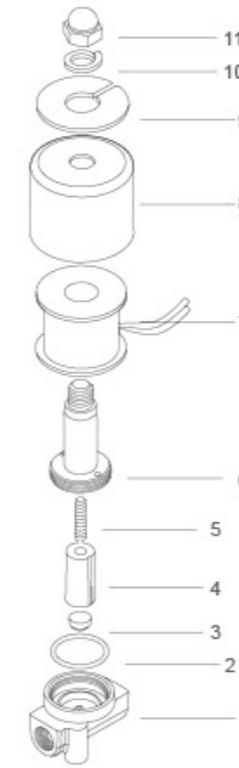
Seal Features

Material	NBR	HNBR	EPDM	VMQ	FKM	PTFE	PU
Highest working temperature	80℃	120℃	120℃	180℃	120℃	200℃	80℃
Lowest working temperature	-5℃	-10℃	-20℃	-40℃	-20℃	-50℃	-20℃
Anti-burning	×	×	×	△	⊙	⊙	△
Steam	×	△	⊙	○	△	○	×
Oil	⊙	⊙	×	△	⊙	⊙	⊙
O ₃	△	⊙	⊙	⊙	⊙	⊙	⊙
Chemical	△	○	⊙	⊙	⊙	⊙	⊙
Acid	△	○	⊙	△	⊙	⊙	×
Alkalinity	○	⊙	⊙	△	⊙	⊙	×
Water	○	○	⊙	○	○	⊙	⊙
Wearing	○	⊙	○	×	○	⊙	⊙
Anti distortion	○	○	○	⊙	○	×	×
Tension	⊙	⊙	⊙	×	○	×	⊙

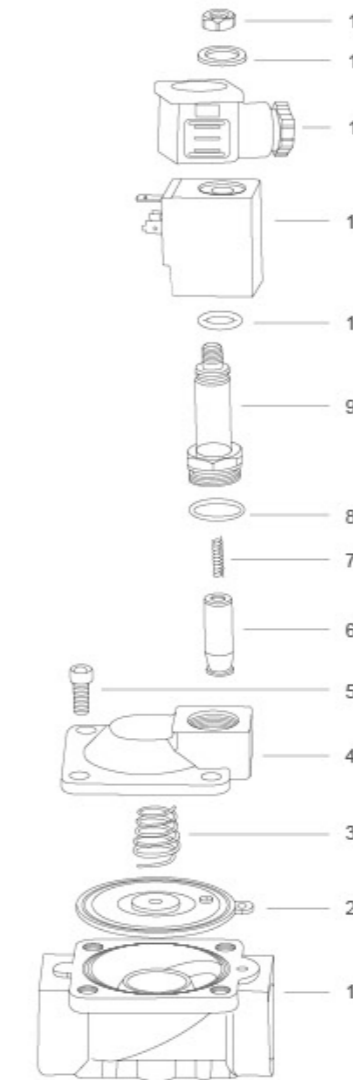
Description of the symbol: ⊙ Very good ○ Good △Normal level × Not OK

General Information About Solenoid Valve

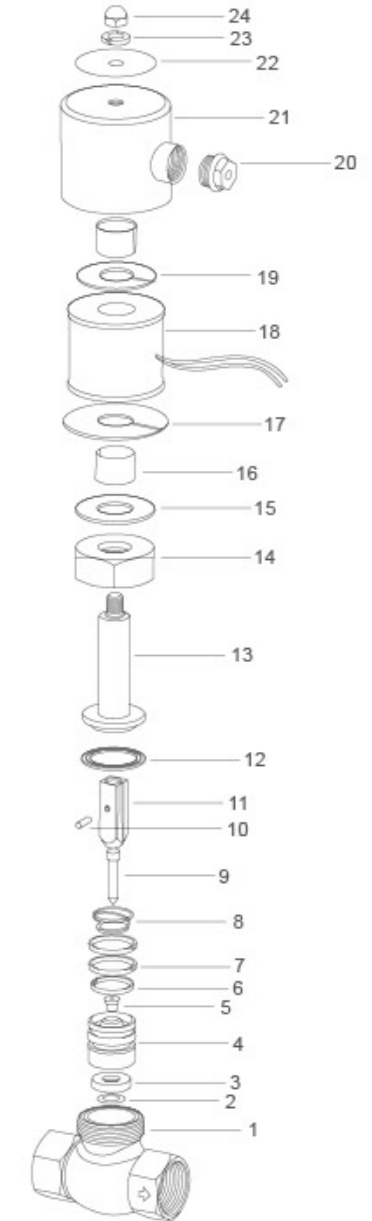
Part List



No	Designation
1	Valve body
2	O-ring
3	Seal pad
4	Pilot
5	Spring
6	Armature
7	Coil
8	Steel washer
9	Washer
10	Spring washer
11	Nut



No	Designation
1	Valve body
2	Diaphragm
3	Diaphragm spring
4	Valve cover
5	Hexagon screw
6	Pilot units
7	Plunger Spring
8	O-ring
9	Plunger tube assembly
10	O-ring
11	Coil
12	Connector
13	Gasket
14	Lock Nut



No	Designation	No	Designation
1	Valve body	13	Static armature
2	Washer	14	Nut
3	Seal pad	15	Gasket
4	Valve core	16	Bushing
5	Seal	17	Steel plate
6	Gasket	18	Coil
7	Guide ring	19	Steel plate
8	Spring	20	Nut
9	Valve needle	21	Steel cover
10	Pin	22	Min plate
11	Armature	23	Spring washer
12	Seal ring	24	Nut

2V Series 2/2 Solenoid Valve



Ordering Code

2V	025	06	AC220V	V
Specification Code 2V:Two-positionTwo-way Solenoid Valve	Aperture of Flow Rate 025:2.5mm 130:13mm 250:25mm	Port Size 06:G1/8" 08:G1/4" 10:G3/8" 15:G1/2" 20:G3/4" 25:G1"	Standard Voltage DC12V DC24V AC24V 50Hz/60Hz AC110V 50Hz/60Hz AC220V 50Hz/60Hz AC380V 50Hz/60Hz	Oil Seal Code Blank:NBR V:VITON(For High temperature)

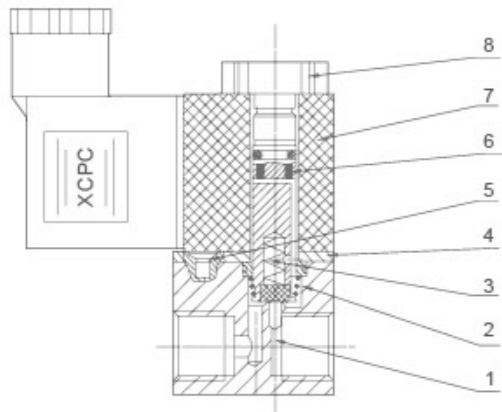
Graphic Symbol



Specification

Model	2V025-06	2V025-08	2V130-10	2V130-15	2V250-20	2V250-25
Working Medium	Air,Water,Oil					
Motion Pattern	Direct Drive Type			Guide Type		
Type	Normal Close Type					
Aperture of Flow Rate(mm)	2.5		13		25	
CV Value	0.23		6.2		23	
Port Size	G1/8"	G1/4"	G3/8"	G1/2"	G3/4"	G1"
Operation Fluid Viscosity	20 CST (Below)					
Working-pressure	Air,Water,Oil 0~0.8MPa			Air,Water,Oil 0.05~0.7MPa		
Max. Pressure Resistance	12kgf/cm ²			10.5kgf/cm ²		
Operating Temperature Range	-10~+80℃					
Voltage Range	±10%					
Protect Class	IP65					
Power Consumption	AC:7VA860Hz PC:6W					
Insulation	F Class					
Material of Body	Aluminum or Brass			Brass		
Material of Oil Seal	NBR or VITON			NBR		
Shortest Excitation Time	0.05 Second					

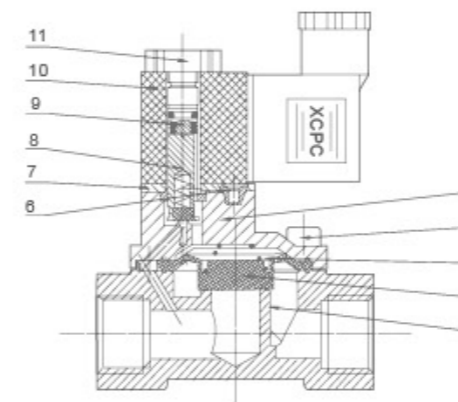
Internal structure



No	Name
1	Body Of Valve
2	Spring
3	Assembly Of Iron Core
4	Assembly Of Iron Core
5	Cruciform Slot Screw
6	Platen
7	Coil
8	Nut

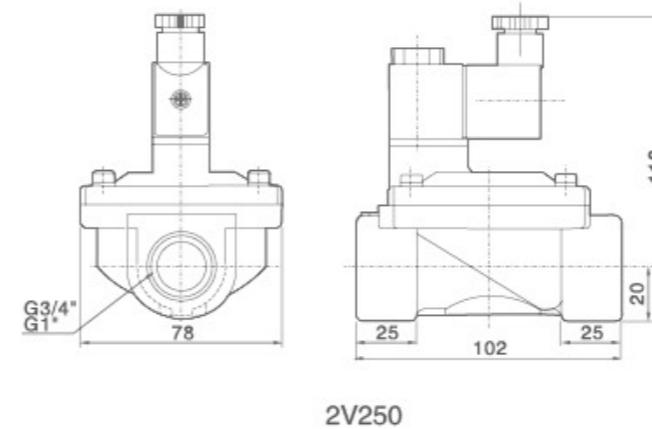
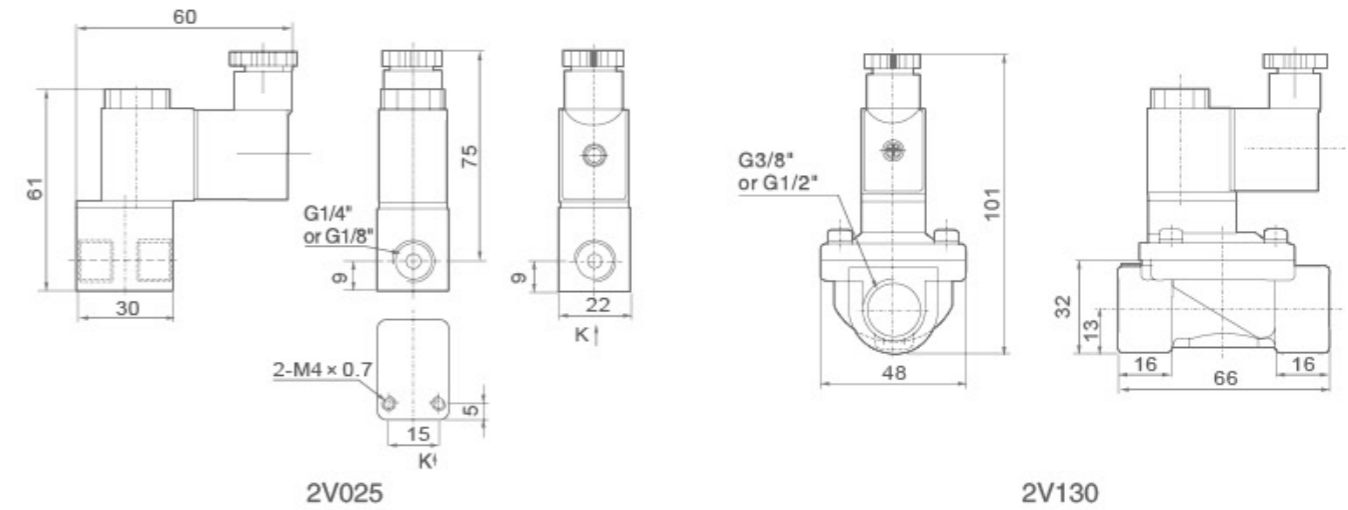
2V Series 2/2 Solenoid Valve

Internal structure



No	Name
1	Body Of Valve
2	Diaphragm
3	Spring
4	Socket Hexagon Screws
5	Cover board
6	Cruciform Slot Screw
7	Platen
8	Assembly Of Iron Core
9	Assembly Of Iron Core
10	Coil
11	Nut

Overall Dimensions



2P Series 2/2 Solenoid Valve (Plastic Steel Type)



Ordering Code

2P — **025** — **06** — **AC220V** — **□**

Specification Code
2P: Two-position Two-way Solenoid Valve (Reinforced plastic steel type)

Aperture of Flow Rate
025: 2.5mm

Port Size
06: G1/8"
08: G1/4"

Standard Voltage
DC12V DC24V
AC24V 50Hz/60Hz
AC110V 50Hz/60Hz
AC220V 50Hz/60Hz
AC380V 50Hz/60Hz

Wiring Form
Blank: Lead wire Type
D: Joint Connector

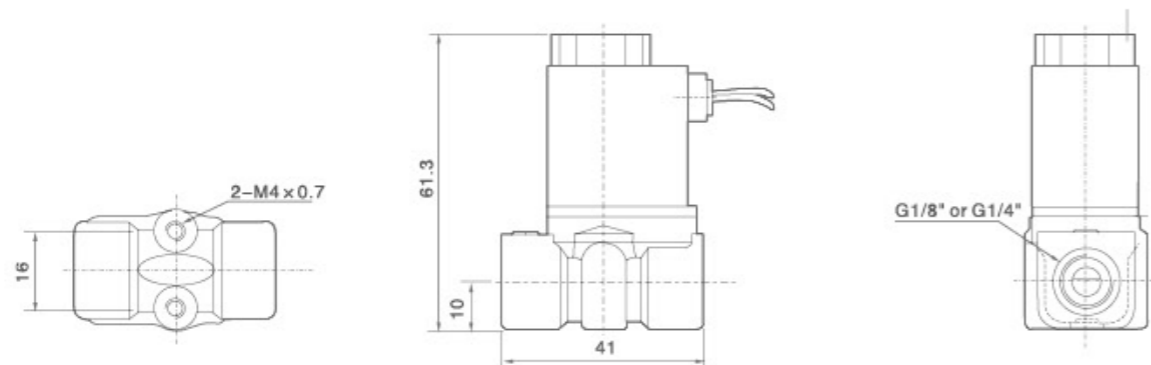
Graphic Symbol



Specification

Model	2V025-06	2V025-08
Working Medium	Air, Water, Oil, Gas	
Motion Pattern	Direct Drive Type	
Type	Normal Close Type	
Aperture of Flow Rate (mm)	2.5	
CV Value	0.23	
Port Size	G1/8"	G1/4"
Operation Fluid Viscosity	20 CST (Below)	
Working-pressure	0~0.7MPa	
Max. Pressure Resistance	1.0MPa	
Operating Temperature Range	-5~+80℃	
Voltage Range	±10%	
Material of Body	Engineering Plastic Steel	
Material of Oil Seal	NBR EPDM or VITON	

Overall Dimensions



2W(UD) Series 2/2 Direct Drive Type Solenoid Valve (Small Aperture)



Graphic Symbol



Ordering Code

2W — **025** — **08** — **F** — **AC220V** — **□**

Specification Code
2W: Two-position Two-way solenoid valve direct drive type
2WH: Two-position Two-way solenoid valve (High pressure direct drive Type)

Aperture of Flow Rate
012: 1.2mm
020: 2.0mm
025: 2.5mm
040: 4.0mm

Port Size
06: G1/8"
08: G1/4"
10: G3/8"

Initial Estate
Blank: Pipe Joint Type
F: Flange Type

Standard Voltage
DC12V DC24V
AC24V 50Hz/60Hz
AC36V 50Hz/60Hz
AC110V 50Hz/60Hz
AC220V 50Hz/60Hz
AC380V 50Hz/60Hz

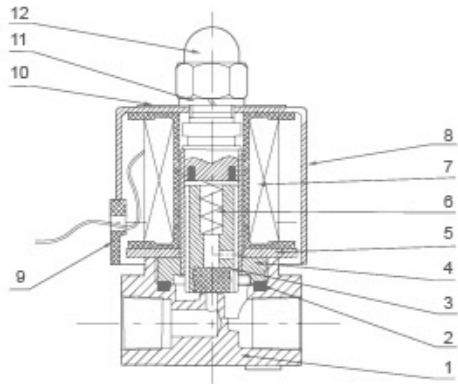
Wiring Form
Blank: Lead Wire Type
D: Joint Connector
E: Blast-proof Coil
G: Water-proof Coil

Specification

Model	2W025-06	2W025-08	2W040-10	2WH012-06	2WH012-08	2WH020-10
Working Medium	Air, Water, Oil, Gas					
Motion Pattern	Direct Drive Type					
Type	Normal Close Type					
Aperture of Flow Rate (mm)	2.5	4	1.2	2		
CV Value	0.23	0.60	0.05	0.15		
Port Size	G1/8"	G1/4"	G3/8"	G1/8"	G1/4"	G3/8"
Operation Fluid Viscosity	20 CST (Below)					
Working-pressure	Air, Water, Oil, Gas: 0~0.7MPa			Air, Water, Oil: 0~2.0MPa		
Max. Pressure Resistance	1.0			3.5		
Operating Temperature Range	-5~+80℃					
Voltage Range	±10%					
Material of Body	Brass					
Material of Oil Seal	NBR EPDM or VITON					

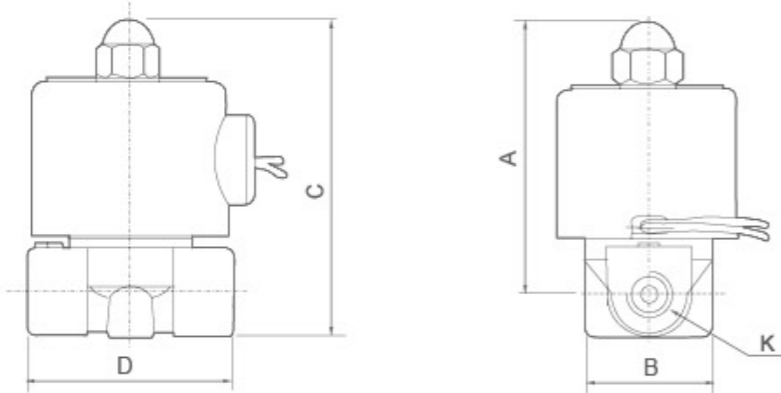
2W(UD) Aperture 2/2 Direct Drive Type Solenoid Valve(Small Aperture)

Internal structure



No	Name
1	Body Of Valve
2	O-ring
3	Assembly Of Iron Core
4	Assembly Of Iron Core
5	Magnetic Plate
6	Spring
7	Assembly Of Coil
8	Iron Cover
9	Cord-locks
10	Name Plate
11	Gasket
12	Head Cover Nut

Overall Dimensions



Dimension Sheet

Symbol/Model	A	B	C	D	K(PT)
2W025-06	66	30.3	75	41.5	G1/8"
2W025-08	66	30.3	75	41.5	G1/4"
2W040-10	74	32.2	85.5	53	G3/8"
2WH012-06	66	30.3	75	40.5	G1/8"
2WH012-08	66	30.3	75	40.5	G1/4"
2WH020-10	74	32.3	85.5	53	G3/8"

2W(UW) Series 2/2 Direct Drive Type Solenoid Valve(Large Aperture)



Graphic Symbol



Ordering Code

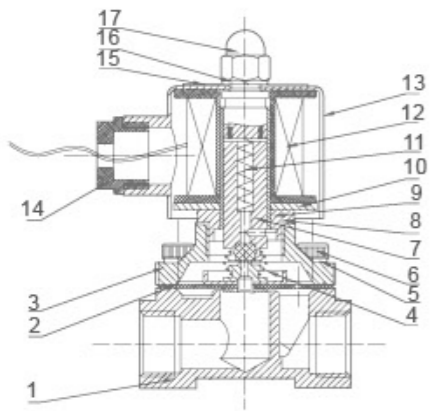
2W	160	15	F	AC220V	
Specification Code 2W:Two-position two-way solenoid valve (direct drive type)	Aperture of Flow Rate 160:16mm 200:20mm 250:25mm 350:35mm 500:50mm	Port Size 10:G3/8" 15:G1/2" 20:G3/4" 25:G1" 35:G1 1/4" 40:G1 1/2" 50:G2"	Initial Estate Blank:Pipe Joint Type F: Flange Type	Standard Voltage DC12V DC24V AC24V 50Hz/60Hz AC36V 50Hz/60Hz AC110V 50Hz/60Hz AC220V 50Hz/60Hz AC380V 50Hz/60Hz	Wiring Form Blank:Lead Wire Type D: Joint Connector

Specification

Model	2W160-10	2W160-15	2W200-20	2W250-25	2W350-35	2W400-40	2W500-50
Working Medium	Air,Water,Oil,gas						
Motion Pattern	Direct Drive Type						
Type	Normal Close Type						
Aperture of Flow Rate(mm)	16	20	25	35	40	50	
CV Value	4.8	7.6	12	24	29	48	
Port Size	G3/8"	G1/2"	G3/4"	G1"	G1 1/4"	G1 1/2"	G2"
Operation Fluid Viscosity	20 CST (Below)						
Working-pressure	Air:0~0.7MPa Water:0~0.5MPa Oil:0~0.5MPa Gas: 0~0.7MPa						
Max. Pressure Resistance	1.0MPa						
Operating Temperature Range	-5~+80℃						
Voltage Range	±10%						
Material of Body	Brass						
Material of Oil Seal	NBR EPDM or VITON						

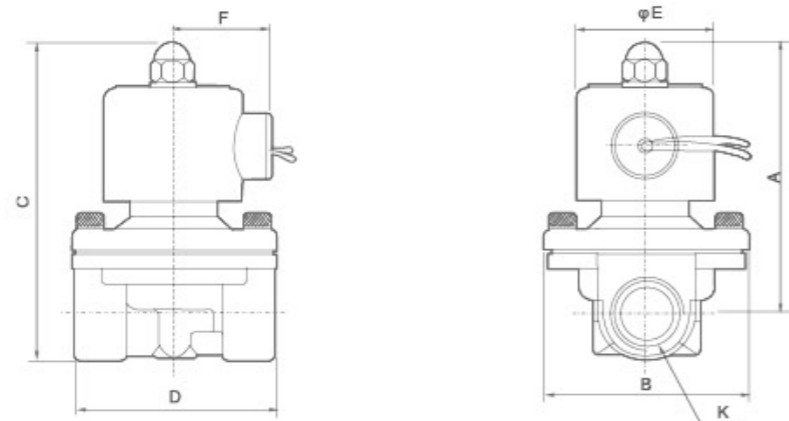
2W(UW) Series 2/2 Direct Drive Type Solenoid Valve(Large Aperture)

Internal structure



NO	Name	NO	Name
1	Body Of Valve	10	Magnetic Plate
2	Assembly Of Diaphragm	11	Spring
3	Valve Cover	12	Assembly Of Coil
4	Pull Spring	13	Iron Cover
5	Gasket	14	Cord-locks
6	Socket Hexagon Screws	15	Name Plate
7	Assembly Of Iron Core	16	Gasket
8	Seal Gasket	17	Head Cover Nut
9	Assembly Of Iron Core		

Overall Dimensions



2W(Large Aperture)

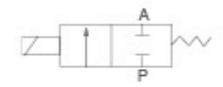
Dimension Sheet

Model	A	B	C	D	E	F	K
2W160-10	101.5	57	117	67	50	36	G3/8"
2W160-15	101.5	57	117	67	50	36	G1/2"
2W200-20	107	57	123.5	72	50	36	G3/4"
2W250-25	111.5	73.5	134.5	92	50	36	G1"
2W350-35	142	95	172	125	70.5	56	G1 1/4"
2W400-40	142	95	172	125	70.5	56	G1 1/2"
2W500-50	172	123	209	168	70.5	56	G2"

2S Series Stainless Steel Solenoid Valve



Graphic Symbol



Ordering Code

2S	025	08	F	AC220V	□
Specification Code 2S:Two-position two-way solenoid valve (Stainless steel direct drive type)	Aperture of Flow Rate 025:2.5mm 040:4.0mm 160:16mm 200:20mm 250:25mm 350:35mm 400:40mm 500:50mm	Port Size 08:G1/4" 10:G3/8" 15:G1/2" 20:G3/4" 25:G1" 35:G1 1/4" 40:G1 1/2" 50:G2"	Initial Estate Blank:Pipe Jiont type F: Flange Type	Standard Voltage DC12V DC24V AC24V 50Hz/60Hz AC36V 50Hz/60Hz AC110V 50Hz/60Hz AC220V 50Hz/60Hz AC380V 50Hz/60Hz	Wiring Form Blank:Lead Wire Type D:Joint Connector E:Blast-proof Coil G:Water-proof Coil

Specification

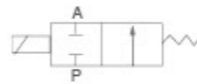
Model	2S025-06(08)	2S040-10	2S160-10(15)	2S200-20(08)	2S250-25	2S350-35(40)	2S500-50
Working Medium	Air,Water,Oil,Gas						
Motion Pattern	Direct Drive Type						
Type	Normal Close Type						
Aperture of Flow Rate(mm)	2.5	5	16	20	35	40	50
CV Value	0.23	0.60	4.8	7.6	24	29	48
Port Size	G1/8" G1/4"	G3/8"	G3/8" G1/2"	G3/4"	G1"	G1 1/4" G1 1/2"	G2"
Operation Fluid Viscosity	20 CST (Below)						
Working-pressure	Air:0~0.7MPa Water:0~0.5MPa, Air:0~0.7MPa, Oil:0~0.5MPa, Gas:0~0.7MPa						
Max. Pressure Resistance	1.05MPa						
Operating Temperature Range	-5~+80℃						
Voltage Range	±10%						
Material of Body	Stainless steel						
Material of Oil Seal	NBR EPDM or VITON						

Note:2S Series Solenoid Valve's Oevrrall Dimension, Flow Chart and Inner Structure all Same as 2W Series.

2W/2S Normal Open Series Solenoid Valve



Graphic Symbol



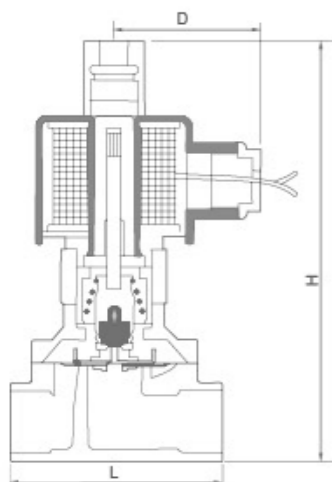
Ordering Code

2W	160	10	NO	AC220V	□
Specification Code 2W:Two-position two-way solenoid valve (direct drive type) 2S:Stainless steel two position two way solenoid valve(direct drive type)	Aperture of Flow Rate 040:4.0mm 160:16mm 200:20mm 250:25mm	Port Size 10:G3/8" 15:G1/2" 20:G3/4" 25:G1"	Initial Estate NO: Normal Open	Standard Voltage DC12V DC24V AC24V 50Hz/60Hz AC36V 50Hz/60Hz AC110V 50Hz/60Hz AC220V 50Hz/60Hz AC380V 50Hz/60Hz	Wiring Form Blank:Lead Wire Type D:Joint Connector E:Blast-proof Coil G:Water-proof Coil

Specification

Model	2W/2S(040-10NO)	2W/2S(160-10NO)	2W/2S(160-15NO)	2W/2S(200-20NO)	2W/2S(250-25NO)
Working Medium	Air,Water,Oil,Gas				
Motion Pattern	Direct Drive Type				
Type	Normal Open Type				
Aperture of Flow Rate(mm)	4	16	16	20	25
CV Value	0.6	4.8	4.8	7.6	12
Port Size	G3/8"	G3/8"	G1/2"	G3/4"	G1
Operation Fluid Viscosity	20 CST (Below)				
Working-pressure	Water:0~0.5MPa Air:0~0.7MPa Oil:0~0.5MPa Gas: 0~0.7MPa				
Max. Pressure Resistance	1.05MPa				
Operating Temperature Range	-5~+80℃				
Voltage Range	±10%				
Material of Body	2W: Brass; 2S: Stainless steel				
Material of Oil Seal	NBR EPDM or VITON				

Overall Dimensions



Dimension Sheet

Model	L	H	D
2W040-10NO	53	105	54
2W160-10NO	69	116	62
2W160-15NO	69	116	62
2W200-20NO	73	127	62
2W250-25NO	99	135	62

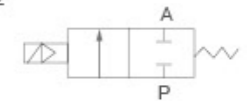
2L(US) Series 2/2 Solenoid Valve



Ordering Code

2L	170	15	AC220V
Specification Code 2L:Steam Type Two-position Two-way Solenoid Valve	Aperture of Flow Rate 170:17mm 200:22mm 300:30mm 500:50mm	Port Size 10:G3/8" 15:G1/2" 20:G3/4" 25:G1" 35:G1/4" 40:G1/2" 50:G2"	Standard Voltage DC12V DC24V AC24V 50Hz/60Hz AC36V 50Hz/60Hz AC110V 50Hz/60Hz AC220V 50Hz/60Hz AC380V 50Hz/60Hz

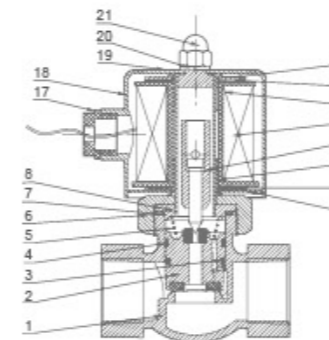
Graphic Symbol



Specification

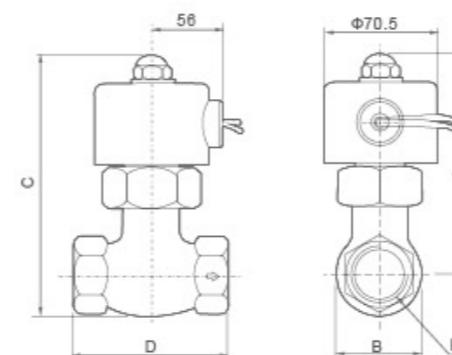
Model	2L170-10	2L170-15	2L170-20	2L200-25	2L300-35	2L300-40	2L500-50
Working Medium	Air, Water, Steam						
Motion Pattern	Guide Type						
Type	Normal Close Type						
Aperture of Flow Rate(mm)	17		22		30		50
CV Value	4.8		12		20		48
Port Size	G3/8"	G1/2"	G3/4"	G1"	G1/4"	G1/2"	G2"
Operation Fluid Viscosity	20 CST(Below)						
Working-pressure	Air, Water, Steam:0.1~1.5MPa						
Max. Pressure Resistance	2.25MPa						
Operating Temperature Range	-5~+180℃						
Voltage Range	±10%						
Material of Body	Brass						
Material of Oil Seal	PTFE						

Internal structure



No	Name	No	Name	No	Name
1	Body Of Valve	8	Assembly of Iron Core	15	Gasket
2	Assembly Of Piston	9	Magnetic Plate	16	Magnetic Plate
3	Springiness Spacer	10	Gasket	17	Cord-locks
4	Wear Strip	11	Bush	18	Iron Cover
5	Spring	12	Assembly Of Iron Core	19	Name Plate
6	Nut	13	Assembly Of Coil	21	Gasket
7	O-ring	14	Bush	21	Head Cover Nut

Overall Dimensions



Dimension Sheet

Model	A	B	C	D	K
2L170-10	125	38	146	76	G3/8"
2L170-15	125	42	146	81	G1/2"
2L170-20	125	47	146	84	G3/4"
2L200-25	136	54	162	91.5	G1"
2L300-35	148	76	185	111	G1/4"
2L300-40	148	76	185	111	G1/2"
2L500-50	176	88	223	164	G2"

PU220 Series 2/2 Solenoid Valve(Direct Drive Type)



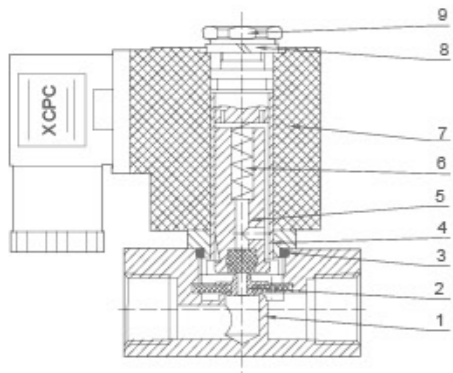
Ordering Code

PU	220	02	A	AC220V	T
Specification Code PU:Two -position Two -way solenoid valve	Motion Pattern 220:Direct Drive Type	Port Size 01:G1/8" 02:G1/4" 03:G3/8" 04:G1/2" 06:G3/4" 08:G1" 12:G1 1/4" 14:G1 1/2" 20:G2"	Initial Estate A: Large Flux AR: Small Aperture Direct Drive F: Flange Type	Standard Voltage AC220V AC110V DC12V DC24V	Wiring Form Blank:Standard Coil T:Timer Coil

Specification

Model	PU220-01AR	PU220-02AR	PU220-03AR	PU220-03A	PU220-04AR	PU220-04A	PU220-06A	PU220-08A
Working Medium	Air, Water, Oil							
Motion Pattern	220:Direct Drive Type/225:Guide Type							
Type	Normal Close Type							
Aperture of Flow Rate(mm)	1.5	2.3	8	13	8	13	20	25
CV Value	0.10	0.18	1.00	4.00	1.00	4.00	8.60	11.00
Joint Pipe Bore	G1/8"	G1/4"	G3/8"	G3/8"	G1/2"	G1/2"	G3/4"	G1"
Operation Fluid Viscosity	50 CST							
Working-pressure	0~0.7MPa							
Max. Pressure Resistance	1.05MPa							
Operating Temperature Range	-5~+80°C							

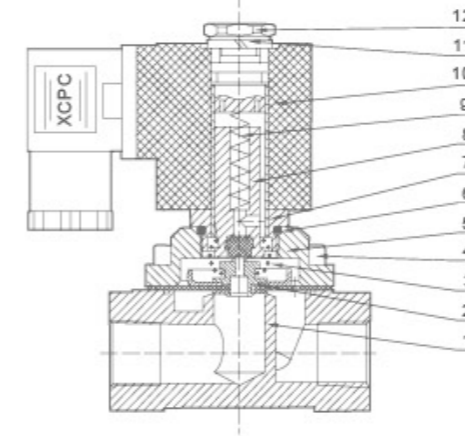
Internal structure



NO	Name
1	Body Of Valve
2	Assembly of Diaphragm
3	O-ring
4	Assembly Of Iron Core
5	Assembly Of Iron Core
6	Spring
7	Coil
8	Gasket
9	Nut

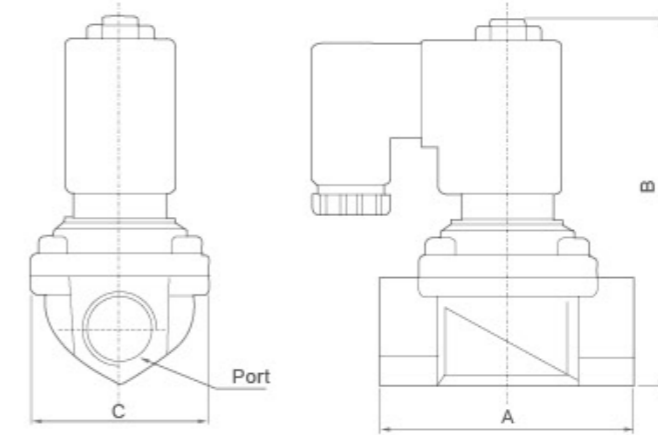
PU220 Series 2/2 Solenoid Valve(Direct Drive Type)

Internal structure



No	Name	No	Name
1	Body Of Valve	7	Assembly Of Iron Core
2	Assembly Of Diaphragm	8	Assembly Of Iron Core
3	Pull Spring	9	Spring
4	Socket Hexagon Screws	10	Coil
5	Valve Cover	11	Gasket
6	O-ring	12	Nut

Overall Dimensions



Dimension Sheet

Model	Port	A	B	C
PU220-01AR	G1/8"	22	72	22
PU220-02AR	G1/4"	35	72	25.4
PU220-03AR	G3/8"	55	79.5	30
PU220-03A	G3/8"	65.5	101	48
PU220-04A	G1/2"	65.5	101	48
PU220-06A	G3/4"	71	107	58
PU220-08A	G1"	97	120	70

VX Series 2/2 Solenoid Valve



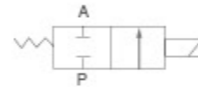
Ordering Code

VX2120 — 08 — AC220V

Specification Code Port Size Standard Voltage

06:G1/8" DC12V DC24V
08:G1/4" AC24V 50Hz/60Hz
10:G3/8" AC110V 50Hz/60Hz
15:G1/2" AC220V 50Hz/60Hz
AC380V 50Hz/60Hz

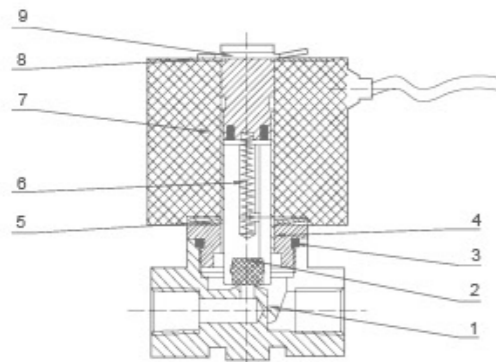
Graphic Symbol



Specification

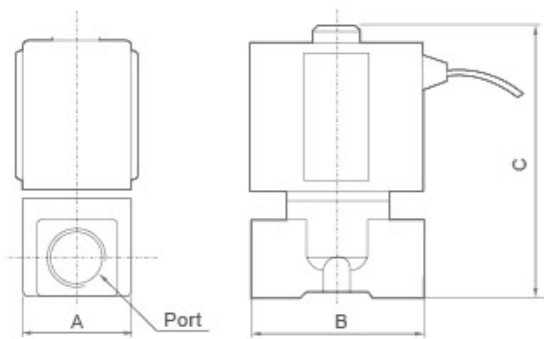
Model	VX2120-06	VX2120-08	VX2120-10	VX2120-15
Working Medium	Air, Water, Steam			
Motion Pattern	Direct Drive Type			
Type	Normal Close Type			
Working-pressure	0~1.0MPa			
Aperture of Flow Rate(mm)	3		10	13
Port Size	G1/8"	G1/4"	G3/8"	G1/2"
Operating Temperature Range	-5~+150℃		-5~+80℃	
Material of Oil Seal	VITON		NBR	

Internal structure



No	Name
1	Body Of Valve
2	Assembly Of Iron Core
3	O-ring
4	Assembly Of Iron Core
5	Spring
6	Spring
7	Coil
8	Name Plate
9	Clip

Overall Dimensions



Dimension Sheet

Model	Port	A	B	C
VX2120-06	G1/8"	26	40	66
VX2120-08	G1/4"	26	40	66
VX2120-10	G3/8"	40	48	80
VX2120-15	G1/2"	47	66	88

VXF Series Solenoid Valve



Ordering Code

VXF2150 — 06 — AC220V — □

Specification Code Port Size Standard Voltage Wiring Form

06:G3/4" DC12V DC24V Blank:Lead
10:G1" AC24V 50Hz/60Hz Wire Type
14:G1 1/2" AC36V 50Hz/60Hz D:Joint
AC110V 50Hz/60Hz Connector
AC220V 50Hz/60Hz
AC380V 50Hz/60Hz

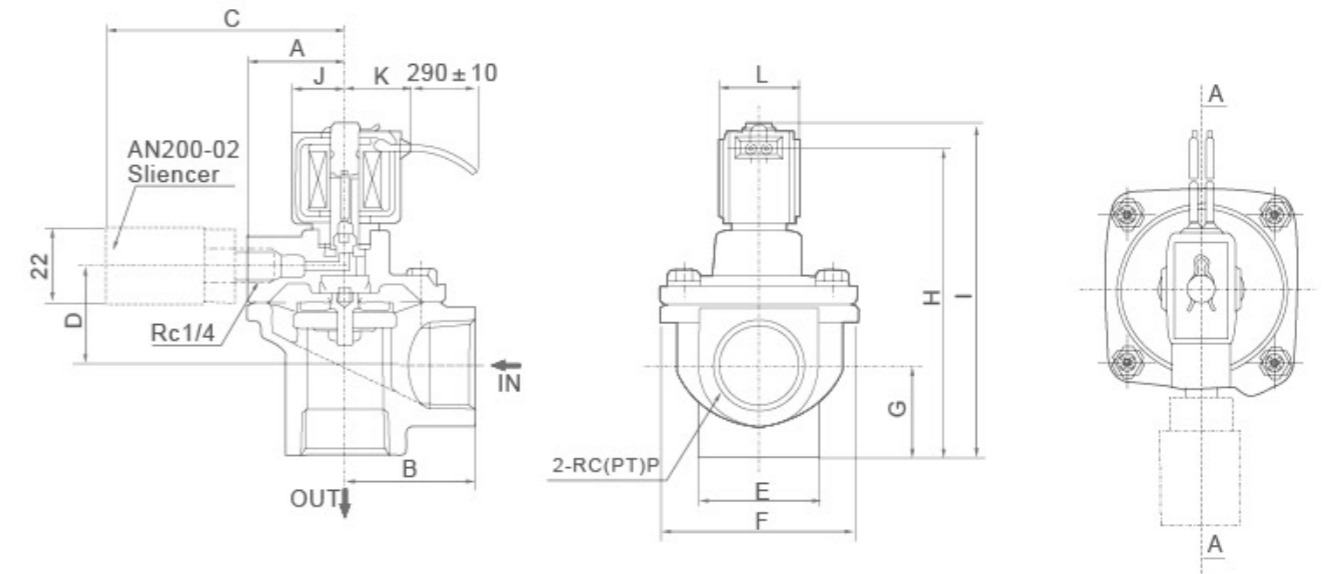
Graphic Symbol



Specification

Model	VXF2150-06	VX2160-10	VX2280-14
Port Size	G3/4"	G1"	G1 1/2"
Max. Operating Differential Pressure	1.0MPa		
Min.Operating Differential Pressure	0.031MPa		
Section (mm)	20	27	40
Effective Area of Section	170	330	810
CV Value	9.5	18.5	45
Exhaust Orifice	Rc(PT)1/4		

Overall Dimensions



Dimension Sheet

Model	A	B	C	D	E	F	G	H	I	J	K	L	P
VXF2150	33	40	85	32.5	36	66	25	103	110	20	23	30	G3/4"
VXF2160	37	48	89	38	45	74	33.5	118	125	20	23	30	G1
VXF2280	28	68	81	58	110	110	62.5	174	184	23	25	35	G1-1/2"

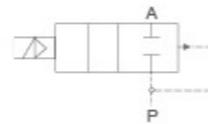
XC6213 Series Diaphragm Type Solenoid Valve



Ordering Code

XC	6213	04	AC220V	□
Factory Code	Model	Port Size	Standard Voltage	Wiring Form
		02:G1/4"	DC12V	Blank:Lead Wire Type
		03:G3/8"	DC24V	D:Joint Connector
		04:G1/2"	AC36V 50/60Hz	
		06:G3/4"	AC24V 50/60Hz	
		08:G1"	AC110V 50/60Hz	
			AC220V 50/60Hz	
			AC380V 50/60Hz	

Graphic Symbol



Specification

Model	XC6213-02	XC6213-03	XC6213-04	XC6213-04	XC6213-06	XC6213-06	XC6213-08
Inside Nominal Diameter(mm)	10		14		25		
Port Size	G1/4"	G3/8"	G1/2"	G1/2"	G3/4"	G3/4"	G1"
Working Pressure(MPa)	0.03~1.0						
Environment Temperature(°C)	-10~+55						
Medium Temperature(°C)	-10~+90						
Kv Value(m³/h)	2	3.6	8.3	8.3	11	11	
Power AC(VA)	14						
Consumptin DC(W)	8						
Change Frequency(Hz)	≥1			≥0.5			
Power/Voltage	AC: 50Hz 24V,36V,110V,220V, DC:24V,12V						

Overall Dimensions



Dimension Sheet

Model	G	C	F	L	J	A	B	H	K
XC6213-02	G1/4"	38	14	50	26	71	85	35	71
XC6213-03	G3/8"	38	14	50	26	71	85	35	71
XC6213-04	G1/2"	38	14	50	26	71	85	35	71
XC6213-04	G1/2"	45	16	58	31	82	96	35	80
XC6213-06	G3/4"	45	16	58	31	82	96	35	80
XC6213-06	G3/4"	65	18	80.5	41	96	117	35	90
XC6213-08	G1"	65	18	80.5	41	96	117	35	90

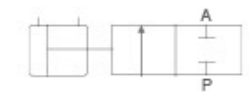
2Q Series Air Control Two-Way Valve



Ordering Code

2Q	200	25
Specification Code	Aperture of Flow Rate	Port Size
2Q:Two-position two-way Air Control valve	160:16mm 200:22mm 250:25mm 350:35mm 400:40mm 500:50mm	15:G1/2" 20:G3/4" 25:G1" 35:G1/4" 40:G1/2" 50:G2"

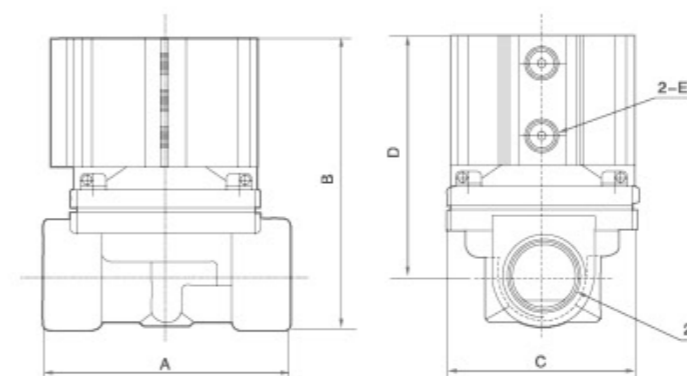
Graphic Symbol



Specification

Model	2Q160-15	2Q200-20	2Q250-25	2Q350-35	2Q400-40	2Q500-50
Working Medium	Air, Water, Oil, Gas					
Motion Pattern	Direct Drive					
Aperture of Flow Rate(mm)	16	20	25	35	40	50
CV Value	4.8	12	7.6	24	29	48
Joint Pipe Bore	G1/2"	G3/4"	G1"	G1-1/4"	G1-1/2"	G2"
Operation Fluid Viscosity	50 CST(Below)					
Working-pressure Range	0~0.7Mpa					
Max. Pressure Resistance	1.05Mpa					
Control Pressure Range	0.3~0.6Mpa					
Operating Temperature Range	-5~100°C					
Material of Body	Brass					
Material of Oil Seal	PTFE					
Control Joint Pipe Bore	2-M5	2-G1/8"	2-G1/8"	2-G1/4"	2-G1/4"	2-G1/4"

Overall Dimensions



Dimension Sheet

Model	A	B	C	D	E	F
2Q160-15	67	89	57	75	M5	G1/2"
2Q200-20	99	116	57	95	G1/8"	G3/4"
2Q250-25	99	116	57	95	G1/8"	G1"
2Q350-35	127	123	93	97	G1/4"	G1-1/4"
2Q400-40	123	146	95	116	G1/4"	G1-1/2"
2Q500-50	170	155	118	114	G1/4"	G2"

SLP Series 2/2 Solenoid Valve(Normal Close)



Graphic Symbol



Ordering Code

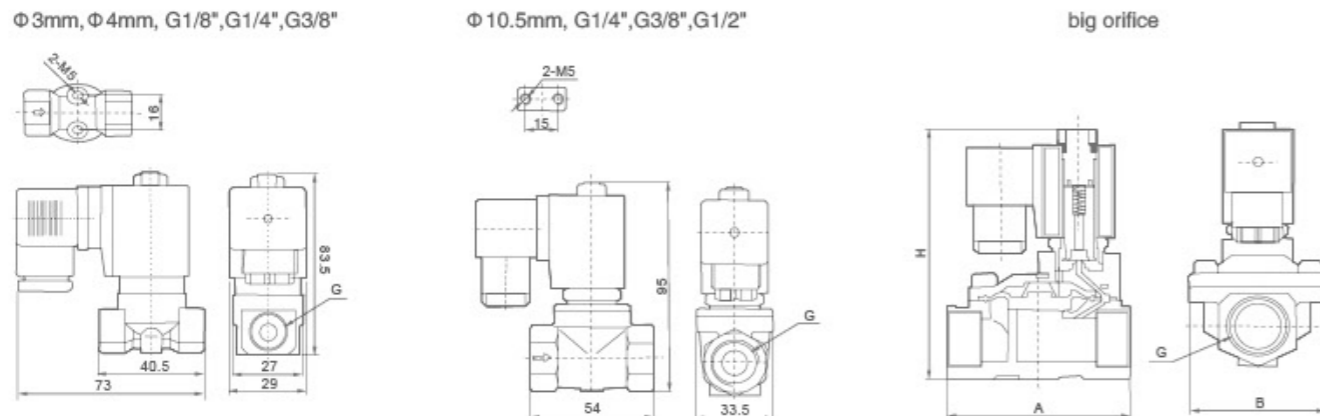
SLP	06		E2	3L	S1	H
SLP Series	Port Size	Seal Material	Voltage	Orifice(mm)	Body material	Control style
	06: G1/8" 08: G1/4" 10: G3/8" 15: G1/2" 20: G3/4" 25: G1" 35: G1-1/4" 40: G1-1/2" 50: G2" F: Flange	Blank: NBR V: VITON E: EPDM	E1: AC110V E2: AC220V E3: AC380V E4: DC24V E5: DC12V E6: AC36V E7: AC24V E8: DC110V E9: DC48V E10: DC36V	1L: 1.0 1.5L: 1.5 2.5L: 2.5 3L: 3.0 4L: 4.0 5L: 5.0 6L: 6.0 10L: 10.0 10.5L: 10.5 13L: 13.0 20L: 20.0 25L: 25.0 35L: 35.0 40L: 40.0 50L: 50.0	Blank: Brass S1: SS316	Blank: Normal close H: Normal open

- SLP series, 2 port, 2 position, 1/8" port size, NBR Seal, AC110V, Orifice: 3mm, Brass valve body, normal close, model: SLP06E1-3L
- SLP series, 2 port, 2 position, 3/8" port size, VITON Seal, AC220V, Orifice: 13mm, SS316 valve body, normal open, model: SLP10VE2-13LS1H

Product Features

- Normal Close, available body: brass, SS316.
- Multiple seals are available for different medium.
- Wide size range from 1/8" to 2" with both thread and flange connection.
- Diaphragm pilot solenoid valve, with lower working pressure.

Overall Dimensions

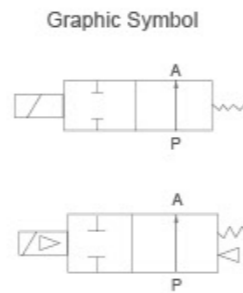


SLP Series 2/2 Solenoid Valve(Normal Close)

Specification

Port size (G)	Orifice (mm)	CV value	Pressure difference(Bar)				Max. temperature (°C)	Power		Model		Overall dimension Length × Width × Height A × B × H(mm)
			Min. pressure	Max. working pressure				AC 220	DC 24V	220VAC	50/60Hz	
				Air, Gas	Water, Liquid	Hot water, Liquid						
1/8"	3	0.23	0	13	13	10	80	22	13	SLP06E2-3L	SLP06E2-3LS1	
	3	0.23	0	13	13	-	130	22	13	SLP06EE2-3L	SLP06EE2-3LS1	
1/4"	3	0.23	0	13	13	10	120	22	13	SLP06VE2-3L	SLP06VE2-3LS1	
	3	0.23	0	13	13	10	80	22	13	SLP08E2-3L	SLP08E2-3LS1	
	3	0.23	0	13	13	-	130	22	13	SLP08EE2-3L	SLP08EE2-3LS1	
	3	0.23	0	13	13	10	120	22	13	SLP08VE2-3L	SLP08VE2-3LS1	
	10.5	1.47	0	10	10	10	80	22	13	SLP08E2-10.5L	-	
	10.5	1.47	0	10	10	-	130	22	13	SLP08EE2-10.5L	-	
3/8"	10.5	1.47	0	10	10	10	120	22	13	SLP08VE2-10.5L	-	
	3	0.3	0	13	13	10	80	22	13	SLP10E2-3L	SLP10E2-3LS1	
	3	0.3	0	13	13	10	130	22	13	SLP10EE2-3L	SLP10EE2-3LS1	
	3	0.3	0	13	13	10	120	22	13	SLP10VE2-3L	SLP10VE2-3LS1	
	4	0.6	0	8	8	6	80	22	13	SLP10E2-4L	SLP10E2-4LS1	
	4	0.6	0	8	8	6	130	22	13	SLP10EE2-4L	SLP10EE2-4LS1	
	4	0.6	0	8	8	6	120	22	13	SLP10VE2-4L	SLP10VE2-4LS1	
	10.5	1.68	0	10	10	10	80	22	13	SLP10E2-10.5L	-	
	10.5	1.68	0	10	10	-	130	22	13	SLP10EE2-10.5L	-	
	10.5	1.68	0	10	10	10	120	22	13	SLP10VE2-10.5L	-	
1/2"	13	4.5	0.5	16	16	13	80	22	13	SLP10E2-13L	SLP10E2-13LS1	
	13	4.5	0.5	16	16		130	22	13	SLP10EE2-13L	SLP10EE2-13LS1	
	13	4.5	0.5	16	16	13	120	22	13	SLP10VE2-13L	SLP10VE2-13LS1	
	10.5	1.75	0	10	10	10	80	22	13	SLP15E2-10.5L	-	66×48×112
	10.5	1.75	0	10	10	-	130	22	13	SLP15EE2-10.5L	-	66×48×112
	10.5	1.75	0	10	10	10	120	22	13	SLP15VE2-10.5L	-	66×48×112
	13	4.5	0.5	16	16	13	80	22	13	SLP15E2-13L	SLP15E2-13LS1	66×48×112
	13	4.5	0.5	16	16		130	22	13	SLP15EE2-13L	SLP15EE2-13LS1	66×48×112
	13	4.5	0.5	16	16	13	120	22	13	SLP15VE2-13L	SLP15VE2-13LS1	66×48×112
	20	7.6	0.5	16	16	13	80	22	13	SLP-20E2	SLP-20E2S1	75×58×118
3/4"	20	7.6	0.5	16	16		130	22	13	SLP-20EE2	SLP-20EE2S1	75×58×118
	20	7.6	0.5	16	16	13	120	22	13	SLP-20VE2	SLP-20VE2S1	75×58×118
1"	25	12	0.5	16	16	13	80	22	13	SLP-25E2	SLP-25E2S1	96×70×131
	25	12	0.5	16	16	13	130	22	13	SLP-25EE2	SLP-25EE2S1	96×70×131
1-1/4"	25	12	0.5	16	16	13	120	22	13	SLP-25VE2	SLP-25VE2S1	96×70×131
	35	22	0.5	16	16	13	80	22	13	SLP-35E2	SLP-35E2S1	131×96×146
1-1/2"	35	22	0.5	16	16		130	22	13	SLP-35EE2	SLP-35EE2S1	131×96×146
	35	22	0.5	16	16	13	120	22	13	SLP-35VE2	SLP-35VE2S1	131×96×146
2"	40	30	0.5	16	16	13	80	22	13	SLP-40E2	SLP-40E2S1	131×96×146
	40	30	0.5	16	16	13	130	22	13	SLP-40EE2	SLP-40EE2S1	131×96×146
2"	40	30	0.5	16	16	13	120	22	13	SLP-40VE2	SLP-40VE2S1	131×96×146
	50	48	0.5	16	16	13	80	22	13	SLP-50E2	SLP-50E2	165×120×167
2"	50	48	0.5	16	16		130	22	13	SLP-50EE2	SLP-50EE2	165×120×167
	50	48	0.5	16	16	13	120	22	13	SLP-50VE2	SLP-50VE2	165×120×167
Flange connection	25	12	0.5	16	16	13	80	80	13	-	SLPFE2-25LS1	134×110×160
	25	12	0.5	16	16		130	130	13	-	SLPFE2-25LS1	134×110×160
Flange connection	25	12	0.5	16	16	13	120	120	13	-	SLPFE2-25LS1	134×110×160
	35	22	0.5	16	16	13	80	22	13	-	SLPFE2-35LS1	160×135×175
Flange connection	35	22	0.5	16	16	13	130	22	13	-	SLPFE2-35LS1	160×135×175
	35	22	0.5	16	16	13	120	22	13	-	SLPFE2-35LS1	160×135×175
Flange connection	40	30	0.5	16	16	13	80	22	13	-	SLPFE2-40LS1	160×145×180
	40	30	0.5	16	16		130	22	13	-	SLPFE2-40LS1	160×145×180
Flange connection	40	30	0.5	16	16	13	120	22	13	-	SLPFE2-40LS1	160×145×180
	40	30	0.5	16	16	13	80	22	13	-	SLPFE2-40LS1	160×145×180
Flange connection	50	48	0.5	16	16	13	80	22	22	-	SLPFE2-50LS1	200×160×207
	50	48	0.5	16	16		130	22	22	-	SLPFE2-50LS1	200×160×207
Flange connection	50	48	0.5	16	16	13	120	22	22	-	SLPFE2-50LS1	200×160×207
	50	48	0.5	16	16	13	80	22	22	-	SLPFE2-50LS1	200×160×207

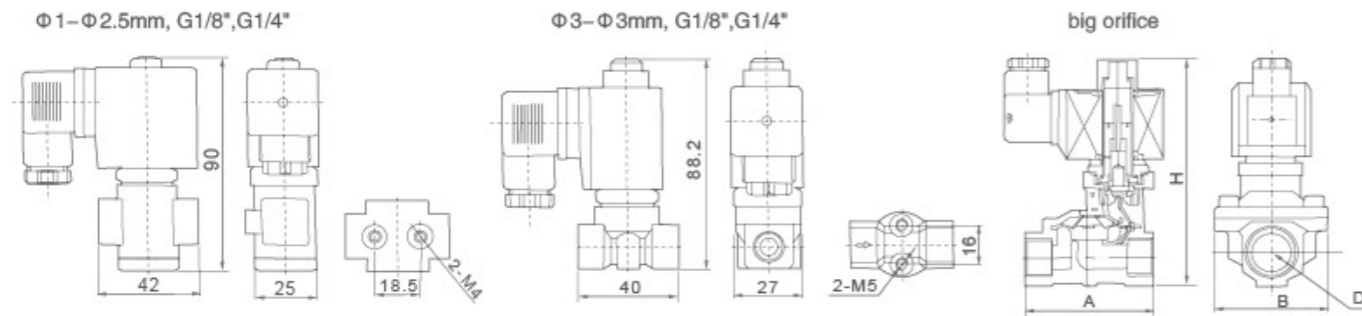
SLP Series 2/2 Solenoid Valve(Normal Open)



Product Features

- Normal open, available body: brass, SS316
- Multiple seals are available for different medium
- Wide size range from 1/8" to 2", with both thread and flange connection
- Diaphragm pilot solenoid valve, with lower working pressure

Overall Dimensions



Specification

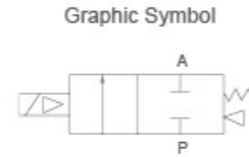
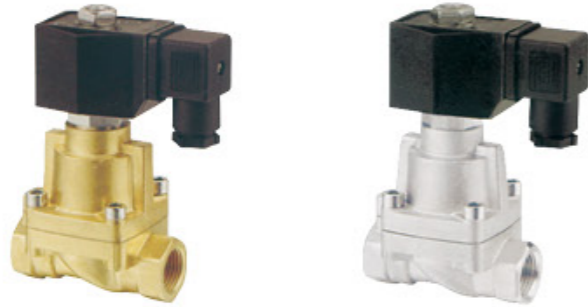
Port size (G)	Orifice (mm)	CV value	Pressure difference(Bar)				Max. temperature (°C)	Power		Model 220VAC 50/60Hz	
			Min. pressure	Max. working pressure				VA AC 220	W DC 24V	Brass	Stainless steel
				Air, Gas	Water, Hot water, Liquid	Light oil ≤20CST					
1/8"	1	0.04	0	30	30	25	80	22	13	SLP06E2-1LH	SLP06E2-1LS1H
	1	0.04	0	30	30	-	130	22	13	SLP06EE2-1LH	SLP06EE2-1LS1H
	1	0.04	0	30	30	25	120	22	13	SLP06VE2-1LH	SLP06VE2-1LS1H
	1.5	0.09	0	20	20	15	80	22	13	SLP06E2-1.5LH	SLP06E2-1.5LS1H
	1.5	0.09	0	20	20	-	130	22	13	SLP06EE2-1.5LH	SLP06EE2-1.5LS1H
	1.5	0.09	0	20	20	15	120	22	13	SLP06VE2-1.5LH	SLP06VE2-1.5LS1H
	2.5	0.2	0	15	15	12	80	22	13	SLP06E2-2.5LH	SLP06E2-2.5LS1H
	2.5	0.2	0	15	15	-	130	22	13	SLP06EE2-2.5LH	SLP06EE2-2.5LS1H
	2.5	0.2	0	15	15	12	120	22	13	SLP06VE2-2.5LH	SLP06VE2-2.5LS1H
	3	0.25	0	12	12	10	80	22	13	SLP06E2-3LH	SLP06E2-3LS1H
	3	0.25	0	12	12	-	130	22	13	SLP06EE2-3LH	SLP06EE2-3LS1H
	3	0.25	0	12	12	10	120	22	13	SLP06VE2-3LH	SLP06VE2-3LS1H

SLP Series 2/2 Solenoid Valve(Normal Open)

Specification

Port size (G)	Orifice (mm)	CV value	Pressure difference(Bar)				Max. temperature (°C)	Power		Model 220VAC 50/60Hz		Overall dimension Length × Width × Height A × B × H(mm)
			Min. pressure	Max. working pressure				VA AC 220	W DC 24V	Brass	Stainless steel	
				Air, Gas	Water, Hot water, Liquid	Light oil ≤20CST						
1/4"	1	0.04	0	30	30	25	80	22	13	SLP08E2-1LH	SLP08E2-1LS1H	
	1	0.04	0	30	30	-	130	22	13	SLP08EE2-1LH	SLP08EE2-1LS1H	
	1	0.04	0	30	30	25	120	22	13	SLP08VE2-1LH	SLP08VE2-1LS1H	
	1.5	0.09	0	20	20	15	80	22	13	SLP08E2-1.5LH	SLP08E2-1.5LS1H	
	1.5	0.09	0	20	20	-	130	22	13	SLP08EE2-1.5LH	SLP08EE2-1.5LS1H	
	1.5	0.09	0	20	20	15	120	22	13	SLP08VE2-1.5LH	SLP08VE2-1.5LS1H	
	2.5	0.2	0	15	15	12	80	22	13	SLP08E2-2.5LH	SLP08E2-2.5LS1H	
	2.5	0.2	0	15	15	-	130	22	13	SLP08EE2-2.5LH	SLP08EE2-2.5LS1H	
	2.5	0.2	0	15	15	12	120	22	13	SLP08VE2-2.5LH	SLP08VE2-2.5LS1H	
	3	0.25	0	12	12	10	80	22	13	SLP08E2-3LH	SLP08E2-3LS1H	
	3	0.25	0	12	12	-	130	22	13	SLP08EE2-3LH	SLP08EE2-3LS1H	
	3	0.25	0	12	12	10	120	22	13	SLP08VE2-3LH	SLP08VE2-3LS1H	
3/8"	13	4.5	0.5	8	8	7	80	33	32	SLP10E2-13LH	SLP10E2-13LS1H	66×48×124
	13	4.5	0.5	8	8		120	33	32	SLP10EE2-13LH	SLP10EE2-13LS1H	66×48×124
	13	4.5	0.5	8	8	7	120	33	32	SLP10VE2-13LH	SLP10VE2-13LS1H	66×48×124
1/2"	13	4.5	0.5	8	8	7	80	33	32	SLP15E2-13LH	SLP15E2-13LS1H	66×48×124
	13	4.5	0.5	8	8		120	33	32	SLP15EE2-13LH	SLP15EE2-13LS1H	66×48×124
	13	4.5	0.5	8	8	7	120	33	32	SLP15VE2-13LH	SLP15VE2-13LS1H	66×48×124
3/4"	20	7.6	0.5	8	8	7	80	33	32	SLP-20E2H	SLP-20E2S1H	75×58×130
	20	7.6	0.5	8	8		120	33	32	SLP-20EE2H	SLP-20EE2S1H	75×58×130
	20	7.6	0.5	8	8	7	120	33	32	SLP-20VE2H	SLP-20VE2S1H	75×58×130
1"	25	12	0.5	8	8	7	80	33	32	SLP-25E2H	SLP-25E2S1H	96×70×143
	25	12	0.5	8	8		120	33	32	SLP-25EE2H	SLP-25EE2S1H	96×70×143
	25	12	0.5	8	8	7	120	33	32	SLP-25VE2H	SLP-25VE2S1H	96×70×143
1-1/4"	35	22	0.5	8	8	7	80	33	32	SLP-35E2H	SLP-35E2S1H	131×96×158
	35	22	0.5	8	8		120	33	32	SLP-35EE2H	SLP-35EE2S1H	131×96×158
	35	22	0.5	8	8	7	120	33	32	SLP-35VE2H	SLP-35VE2S1H	131×96×158
1-1/2"	40	30	0.5	8	8	7	80	33	32	SLP-40E2H	SLP-40E2S1H	131×96×158
	40	30	0.5	8	8		120	33	32	SLP-40EE2H	SLP-40EE2S1H	131×96×158
	40	30	0.5	8	8	7	120	33	32	SLP-40VE2H	SLP-40VE2S1H	131×96×158
2"	50	48	0.5	8	8	7	80	33	32	SLP-50E2H	SLP-50E2S1H	165×120×179
	50	48	0.5	8	8		120	33	32	SLP-50EE2H	SLP-50EE2S1H	165×120×179
	50	48	0.5	8	8	7	120	33	32	SLP-50VE2H	SLP-50VE2S1H	165×120×179
Flange connection	25	12	0.5	8	8	7	80	33	32		SLPFE2-25LS1H	134×110×172
	25	12	0.5	8	8		120	33	32		SLPFEE2-25LS1H	134×110×172
	25	12	0.5	8	8	7	120	33	32		SLPFVE2-25LS1H	134×110×172
Flange connection	35	22	0.5	8	8	7	80	33	32		SLPFE2-35LS1H	160×135×187
	35	22	0.5	8	8		120	33	32		SLPFEE2-35LS1H	160×135×187
	35	22	0.5	8	8	7	120	33	32		SLPFVE2-35LS1H	160×135×187
Flange connection	40	30	0.5	8	8	7	80	33	32		SLPFE2-40LS1H	160×145×192
	40	30	0.5	8	8		120	33	32		SLPFEE2-40LS1H	160×145×192
	40	30	0.5	8	8	7	120	33	32		SLPFVE2-40LS1H	160×145×192
Flange connection	50	48	0.5	8	8	7	80	33	32		SLPFE2-50LS1H	200×160×219
	50	48	0.5	8	8		120	33	32		SLPFEE2-50LS1H	200×160×219
	50	48	0.5	8	8	7	120	33	32		SLPFVE2-50LS1H	200×160×219

THP Series 2/2 Solenoid Valve(Normal Close)



Ordering Code

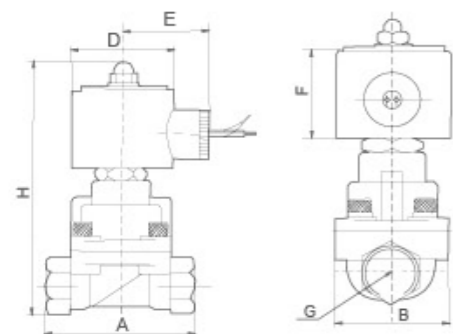
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THP Series	Port Size 06: G1/8" 08: G1/4" 10: G3/8" 15: G1/2" 20: G3/4" 25: G1" 35: G1-1/4" 40: G1-1/2" 50: G2" 25F: 1" Flange 35F: 1-1/4" Flange 40F: 1-1/2" Flange 50F: 2" Flange	Voltage E1: AC110V E2: AC220V E3: AC380V E4: DC24V E5: DC12V E6: AC36V E7: AC24V E8: DC110V E9: DC48V E10: DC36V	Seal Material T: Teflon V: VITON(N,V,E orificesΦ5.5mm optional)	Orifice(mm) 2.5L: 2.5 4.5L: 4.5 15L: 15.0 20L: 20.0 25L: 25.0 35L: 35.0 40L: 40.0 50L: 50.0 <i>Cancel if same with port size</i>	Body material Blank: Brass S1: SS316 S2: SS304	Control style Blank: Normal close H: Normal open	Coil type Blank: DIN connector F: Flying leads

- THP series, 2 port, 2 position, 1/8" port size, AC110V, NBR Seal, Orifice: 2.5mm, Brass valve body, normal close, DIN coil, model: THP06E1-2.5L
- THP series, 2 port, 2 position, 3/8" port size, AC220V, teflon Seal, Orifice: 15mm, SS304 valve body, normal open, flying leads coil, model: THP10TE2-15LS2HF

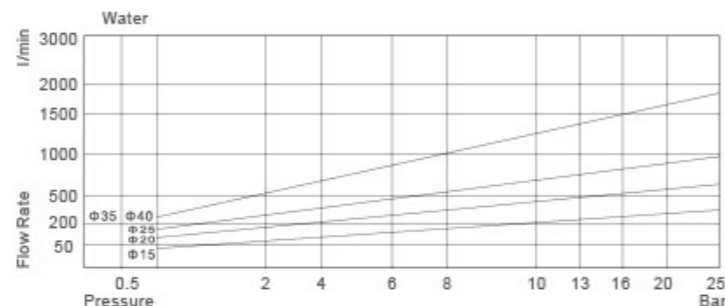
Product Features

- Normal Close, available body: brass, SS304, SS316
- Multiple seals are available for different medium
- Wide size range from 1/8" to 2"
- DIN style / flying leads coil, thread / flange connection
- Piston pilot solenoid valve with high working pressure and temperature

Overall Dimensions



Flow Chart

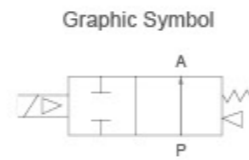
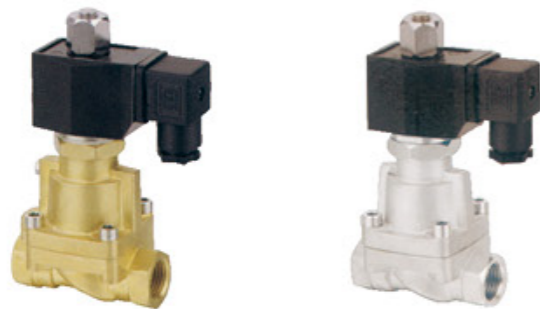


THP Series 2/2 Solenoid Valve(Normal Close)

Specification

Port size (G)	Orifice (mm)	CV value	Min. pressure	Pressure difference(Bar)							Max. temperature (°C)	Power		Model		Overall dimension Length × Width × Height A × B × H(mm)
				Air, Gas		Water, Hot water, Liquid		Light oil ≤20CST				AC 220	DC 24V	220VAC	50/60Hz	
				AC	DC	AC	DC	AC	DC	AC/DC						
G1/8"	2.5	0.23	0	8	8	8	8	6	6	10	180	22	13	THP06T-2.5L	-	48×25×85.5
	2.5	0.23	0	13	13	13	13	7	7	10	110	22	13	THP06V-2.5L	-	48×25×85.5
	4.5	0.6	0	7	4	7	4	4	4	7	165	22	13	THP06T-4.5L	-	58×25×85.5
	4.5	0.6	0	7	4	7	4	4	4	7	110	22	13	THP06V-4.5L	-	58×25×85.5
G1/4"	2.5	0.23	0	7	4	7	4	4	4	10	180	22	13	THP08T2-2.5L	-	48×25×85.5
	2.5	0.23	0	13	13	13	4	7	7	10	110	22	13	THP08V-2.5L	-	48×25×85.5
	4.5	0.6	0	7	4	7	4	4	4	7	165	22	13	THP08T-4.5L	-	58×25×85.5
	4.5	0.6	0	7	4	7	4	4	4	7	110	22	13	THP08V-4.5L	-	58×25×85.5
G3/8"	15	4.5	0.5	25	20	25	20	20	20		110	33	32	THP10T-15L	THP10T-15LS2	75×52×129
	15	4.5	0.5	25	20	25	20	20	20	10	185	30	25	THP10T-15LF	THP10T-15LS2F	75×52×129
G1/2"	15	4.5	0.5	25	20	25	20	20	20		110	33	32	THP-15T	THP-15TS2	75×52×129
	15	4.5	0.5	25	20	25	20	20	20	10	185	30	25	THP-15TF	THP-15TS2F	75×52×129
G3/4"	20	9.0	0.5	25	20	25	20	20	20		110	33	32	THP-20T	THP-20TS2	85×60×141
	20	9.0	0.5	25	20	25	20	20	20	10	185	30	25	THP-20TF	THP-20TS2F	85×60×141
G1"	25	13	0.5	25	20	25	20	20	20		110	33	32	THP-25T	THP-25TS2	100×70×148
	25	13	0.5	25	20	25	20	20	20	10	185	30	25	THP-25TF	THP-25TS2F	100×70×148
G1-1/4"	35	26	0.5	25	20	25	20	20	20	10	110	33	32	THP-35T	THP-35TS2	120×90×168
	35	26	0.5	25	20	25	20	20	20		185	30	25	THP-35TF	THP-35TS2F	120×90×168
G1-1/2"	35	26	0.5	25	20	25	20	20	20	10	110	33	32	THP40T-35L	THP40T-35LS2	120×90×168
	35	26	0.5	25	20	25	20	20	20		185	30	25	THP40T-35LF	THP40T-35LS2F	120×90×168
G2"	50	48	0.5	25	20	25	20	20	20		110	33	32	-	THP-50TS2	150×110×190
	50	48	0.5	25	20	25	20	20	20	10	185	30	25	-	THP-50TS2F	150×110×190
G1" Flange	25	13	0.5	25	20	25	20	20	20		110	33	32	-	THPPFT-25LS2	134×110×185
	25	13	0.5	25	20	25	20	20	20	10	185	30	25	-	THPFT-25LS2F	134×110×185
G1-1/4" Flange	35	26	0.5	25	20	25	20	20	20		110	33	32	-	THPFT-35LS2	160×135×200
	35	26	0.5	25	20	25	20	20	20	10	185	30	25	-	THPFT-35LS2F	160×135×200
G1-1/2" Flange	35	26	0.5	25	20	25	20	20	20		110	33	32	-	THPFT-40LS2	160×145×205
	35	26	0.5	25	20	25	20	20	20	10	185	30	25	-	THPFT-40LS2F	160×145×205
G2" Flange	50	45	0.5	25	20	25	20	20	20	10	110	33	32	-	THPFT-50LS2	200×155×250
	50	45	0.5	25	20	25	20	20	20		185	30	25	-	THPFT-50LS2F	200×155×250

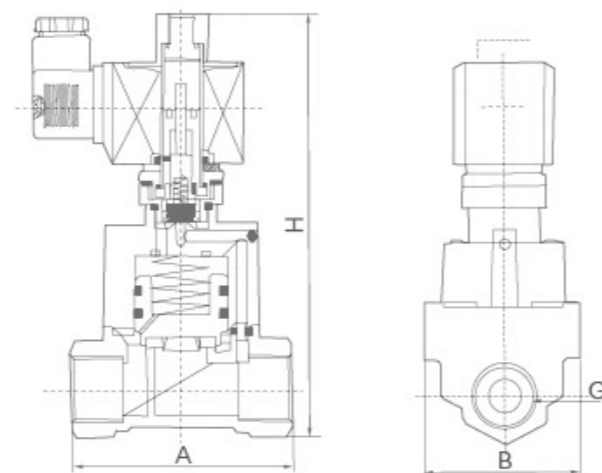
THP Series 2/2 Solenoid Valve(Normal Open)



Product Features

- Normal open, available body: brass, SS304, SS316
- Multiple seals are available for different medium
- Wide size range from 1/8" to 2"
- DIN style / flying leads coil, thread / flange connection
- Piston pilot solenoid valve with high working pressure and temperature

Overall Dimensions



Specification

Port size (G)	Orifice (mm)	CV value	Pressure difference(Bar)						Max. temperature (°C)	Power		Model		Overall dimension Length x Width x Height A x B x H(mm)
			Min. pressure	Max. working pressure				AC 220		DC 24V	Brass	Stainless steel		
				Air	Gas	Water, Hot water, Liquid	Light oil ≤20CST						Steam	
3/8"	15	4.5	0.5	8	8	8	8	130	33	32	THP10T-15LH	THP10T-15LS2H	75x52x147	
	15	4.5	0.5	8	8	8	8	130	33	32	THP10T-15LHF	THP10T-15LS2HF	75x52x147	
1/2"	15	4.5	0.5	8	8	8	8	130	33	32	THP-15TH	THP-15TS2H	75x52x147	
	15	4.5	0.5	8	8	8	8	130	33	32	THP-15THF	THP-15TS2HF	75x52x147	
3/4"	20	9	0.5	8	8	8	8	130	33	32	THP-20TH	THP-20TS2H	85x60x159	
	20	9	0.5	8	8	8	8	130	33	32	THP-20T2HF	THP-20TS2HF	85x60x159	
1"	25	13	0.5	8	8	8	8	130	33	32	THP-25TH	THP-25TS2H	100x70x166	
	25	13	0.5	8	8	8	8	130	33	32	THP-25THF	THP-25TS2HF	100x70x166	
1-1/4"	35	26	0.5	6	6	6	6	130	33	32	THP-35TH	THP-35TS2H	120x90x186	
	35	26	0.5	6	6	6	6	130	33	32	THP-35THF	THP-35TS2HF	120x90x186	
1-1/2"	35	26	0.5	6	6	6	6	130	33	32	THP40T-35LH	THP40T-35LS2H	120x90x186	
	35	26	0.5	6	6	6	6	130	33	32	THP40T-35LHF	THP40T-35LS2HF	120x90x186	
1"	25	25	0.5	8	8	8	8	130	33	32	-	THP-25FE2TS2H	134x110x200	
Flange	25	13	0.5	8	8	8	8	130	33	32	-	THP-25FE2TS2HF	134x110x200	
1-1/4"	35	26	0.5	6	6	6	6	130	33	32	-	THP-35FE2TS2H	160x134x215	
Flange	35	26	0.5	6	6	6	6	130	33	32	-	THP-35FE2TS2HF	160x134x215	
1-1/2"	40	26	0.5	6	6	6	6	130	33	32	-	THP-40FE2TS2H	160x145x200	
Flange	40	26	0.6	6	6	6	6	130	33	32	-	THP-40FE2TS2HF	160x145x200	

XPT Series Electronic-drain Valve



XPT-08



XPT-A-15



XPT-B-15

Product Features

The electronic-drain valve is made of solid state electronic time-setting and solenoid valve, which can make the compress condensates water drain automatically. It is widely used in filter drier, oil/water separator, refrigerant compressed air drying machine, drying machine, air compressor drip-feet, and so on. The time of drain and interval can be adjustable according to different needs.

Specification

Model	XPT, XPT-A, XPT-B
Various pressure can be provided	1.6MPa, 4.0MPa, 8.0MPa
Various electric voltages can be provided	AC220V, AC110V, DC24V
Variety connects can be provided	G1/4", G3/8", G1/2" female thread
Interval	(OFF) 0.5~45 Minutes
Drain time	(ON) 0.5~10 Second
Manual test button	TEST
Protection grade	IP65
Insulate grade	H class(Max/temp:180°C)

- It can substitute for the expensive process valve;
- Only one type applies all applications;
- It can be installed simply, full-automatically, without maintenance;
- Sieve of ball valve can be mached

XMfZ Series Right Angle Pulse Valve



Ordering Code

X XCPC Product
MF Pulse Valve
Z Type Code
 Z: Solenoid Control
 ZQ: Pneumatic Control
25 Orifice Size
P Thread Type
 Blank: Normal
 Thread Type
 A: Thread Type+ Insert pipe
 P: Thread Type
 S: Double Diaphragms
 J: Thread Type (Economy Type)
EX Wiring Form
 Blank: Normal Type
 EX: Ex-proof Type

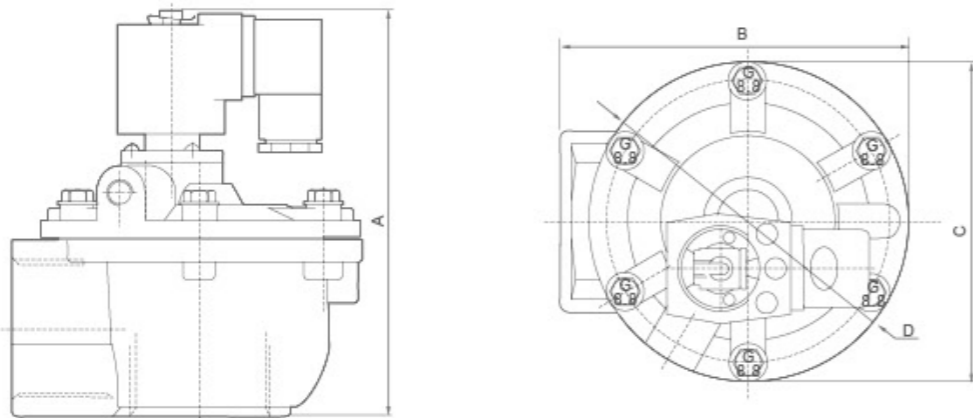
Speciality

Adopt international advanced technology.
 Used for dust remover.
 Key parts all made of imported materials.
 Pneumatic control type, solenoid control type, ex-proof solenoid control type for choose.
 Female thread connection port, easy to be mounted.

Specification

Model	XMfZ-20A	XMfZ-20P	XMfZ-20	XMfZ-25	XMfZ-25P	XMfZ-35P	XMfZ-40S	XMfZ-50S	XMfZ-62S	XMfZ-76S	XMfZ-100S
Working Pressure	0.3~0.8MPa										
Ambient Temperature	-5~55℃										
Relatively Humidity	< 85%										
Working Medium	Clean Air										
Voltage	AC110V/AC220V/DC24V										
Diaphragm Life Cycles	Over 1000k Cycles										
Orifice(mm)	Φ20	Φ20	Φ20	Φ25	Φ25	Φ35	Φ40	Φ50	Φ62	Φ76	Φ100
Connection Port	G3/4"	G3/4"	G3/4"	G1"	G1"	G1 1/2"	G1 1/2"	G2"	G2 1/2"	G3"	Φ100

Overall Dimensions



Dimension Sheet

Model	XMfZ-20A	XMfZ-20P	XMfZ-20	XMfZ-25	XMfZ-25P	XMfZ-35P	XMfZ-40S	XMfZ-50S	XMfZ-62S	XMfZ-76S	XMfZ-100S
A	173	124	110	110	124	142	166	202	222	245	356.5
B	145	105	90.5	90.5	105	121	132	210	210	230.5	286.5
C	-	82.5	75	75	82.5	-	-	-	-	-	-
D	Φ90	-	-	-	-	Φ112	Φ137	Φ185	Φ185	Φ200	Φ221

XMfY Series In Line Pulse Valve



Ordering Code

X XCPC Product
MF Pulse Jet Valve
Y Type Code
 Y: Solenoid Control
 YQ: Pneumatic Control
50 Orifice
S Double Diaphragms
EX Wiring Form
 Blank: Normal Type
 EX: Ex-proof Type

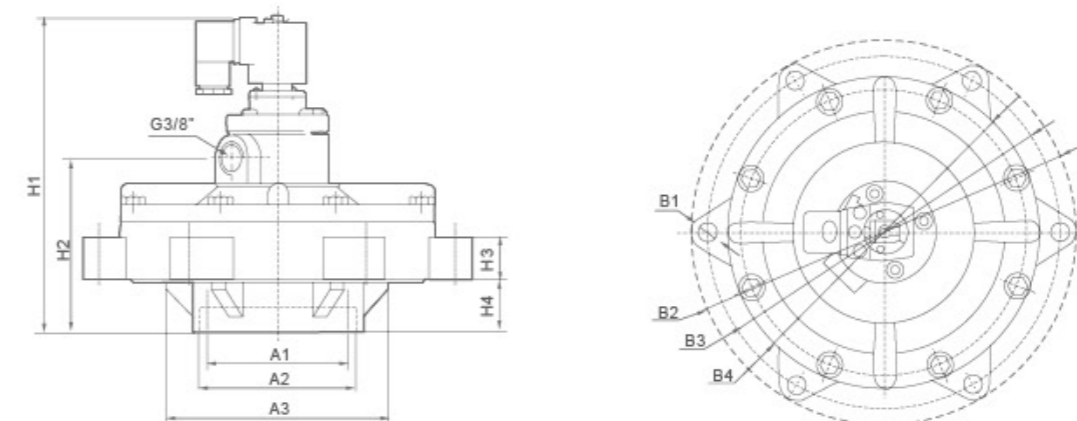
Speciality

Adopt international advanced technology.
 Used for dust remover.
 Key parts all made of imported materials.
 Pneumatic control type, solenoid control type, ex-proof solenoid control type for choose.
 Directing mounted to gas bag better blowing effect and small loss of air source.

Specification

Model	XMfY-50S	XMfY-62S	XMfY-76S
Working Pressure	0.3~0.8MPa		
Ambient Temperature	-5~55℃		
Relatively Humidity	< 85%		
Working Medium	Clean Air		
Voltage	AC110V/AC220V/DC24V		
Diaphragm Life Cycles	Over One Million Cycles		
Orifice(mm)	Φ50	Φ62	Φ76
Connection Port	G2"	G2-1/2"	G3"

Overall Dimensions



Dimension Sheet

Model	A1	A2	A3	B1	B2	B3	B4	H1	H2	H3	H4
XMfY-50S	Φ64.5	Φ78.5	Φ118	6-Φ11.5	Φ200	Φ180	Φ159	187	100	25	31
XMfY-62S	Φ80	Φ93.5	Φ145	6-Φ11	Φ226	Φ204	Φ185	197	107	34.5	35
XMfY-76S	Φ90	Φ99	Φ141	6-Φ11	Φ248	Φ227	Φ200	205	113	27	34

XMF Series Insert Pipe Type Pulse Valve



Ordering Code

X	MF	□	25	DD	EX
XPCPC Product	Pulse Jet Valve	Type Code Blank: Solenoid control Q: Pneumatic control	Orifice Solenoid	Insert Pipe Type	Wiring Form Blank: Normal Type EX: Ex-proof Type

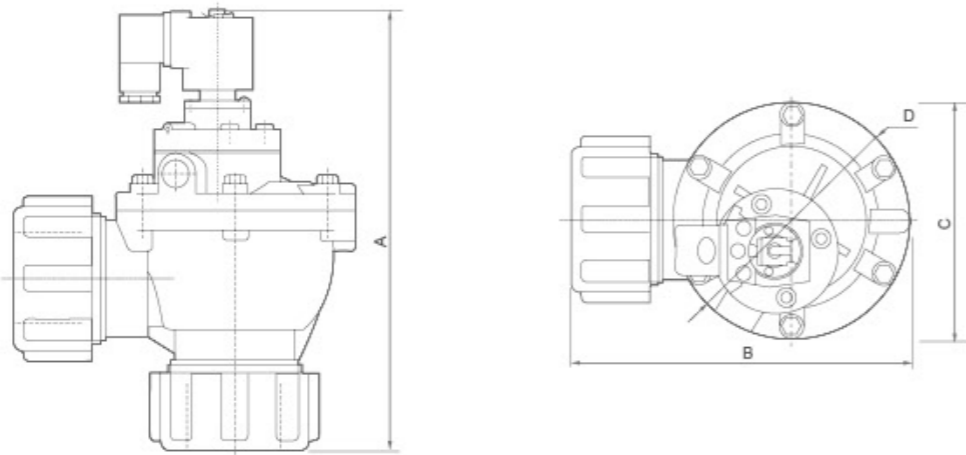
Speciality

- Adopt international advanced technology
- Used for dust remover
- Key parts all made of imported materials
- Pneumatic control type, solenoid control type, ex-proof solenoid control type for choose.
- Insert pipe style, much easier to be mounted.

Specification

Model	XMF-25DD	XMF-45DD
Working Pressure	0.3~0.8MPa	
Ambient Temperature	-5~55℃	
Relatively Humidity	< 85%	
Working Medium	Clean Air	
Voltage	AC110V/AC220V/DC24V	
Diaphragm Life Cycles	Over One Million Cycles	
Orifice(mm)	Φ25	Φ45
Connection Port	G1"	G1-1/2"

Overall Dimensions



Dimension Sheet

Model	A	B	C	D
XMF-25DD	189	131	82.5	-
XMF-45DD	237	179.5	-	Φ126

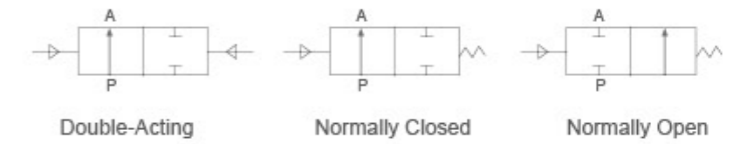
XCP Series Plastic Actuator Bevel Valve



Ordering Code

XCP	15	50	S	C	□
Series Code XCP Series Plastic Bevel Valve	Port Size 10: G3/8" 15: G1/2" 20: G3/4" 25: G1" 32: G1-1/4" 40: G1-1/2" 50: G2" 65: G2-1/2" 80: G3"	Actuator Size 40: 40mm 50: 50mm 63: 63mm 80: 80mm 100: 100mm	Action Type S: Single Action D: Double Action	Control Function C: Normal Close (Standard) O: Normal Open	Body Material Blank: S.S 304 (Standard) 316: S.S 316 316L: S.S 316L

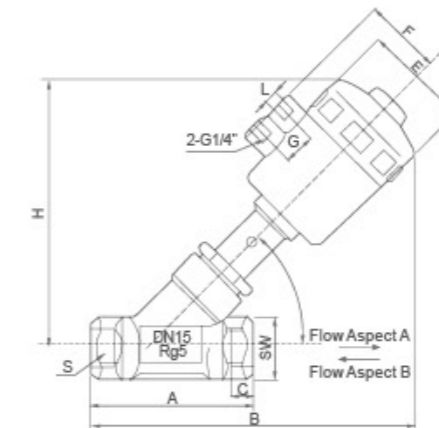
Graphic Symbol



Specification

Model	10	15	20	25	32	40	50	65	80
Port size	G3/8"	G1/2"	G3/4"	G1"	G1-1/4"	G1-1/2"	G2"	G2-1/2"	G3"
KV Value(m³/h)	3.7	4.2	9	19	33	42	59	90	135
Max. Working Pressure(Mpa)	0~1.6	0~1.6	0~1.1	0~1.1	0~1.5	0~1.25	0~1.0	0~1.6	0~1.6
Min. Pilot Pressure(Mpa)	0.39	0.39	0.39	0.42	0.5	0.44	0.4	0.4	0.4
Actuator	40	50	50	50/63	63	63	63/80	80	100
Medium Temperature	-10~+180℃								
Flow Direction	A(Flow Direction Below The Seat) or B(Flow Direction above The Seat)								

Overall Dimensions



Dimension Sheet

Orifice Size(mm)	Port size	Actuator Size(Φmm)	A	B	C	ΦE	F	H	S	SW	G	L
10	G3/8"	40	65	142	12	53	30	85	G3/8"	25	20	G1/8"
15	G1/2"	50	76	168	14	64	44	115	G1/2"	28	24	G1/4"
20	G3/4"	50	92	175	16	64	44	131	G3/4"	32	24	G1/4"
25	G1"	63	103	218	21	80	54	166	G1"	39	24	G1/4"
32	G1-1/4"	63	112	228	19	80	54	172	G1-1/4"	49	24	G1/4"
40	G1-1/2"	63	129	232	21	80	54	174	G1-1/2"	56	24	G1/4"
50	G2"	80	143	263	27	100	62	202	G2"	68	24	G1/4"
65	G2-1/2"	80	186	280	28	100	62	209	G2-1/2"	84	24	G1/4"
80	G3"	100	218	355	34	125	71	268	G3"	101	30	G1/4"

XC Series Stainless Steel Bevel Valve



Ordering Code

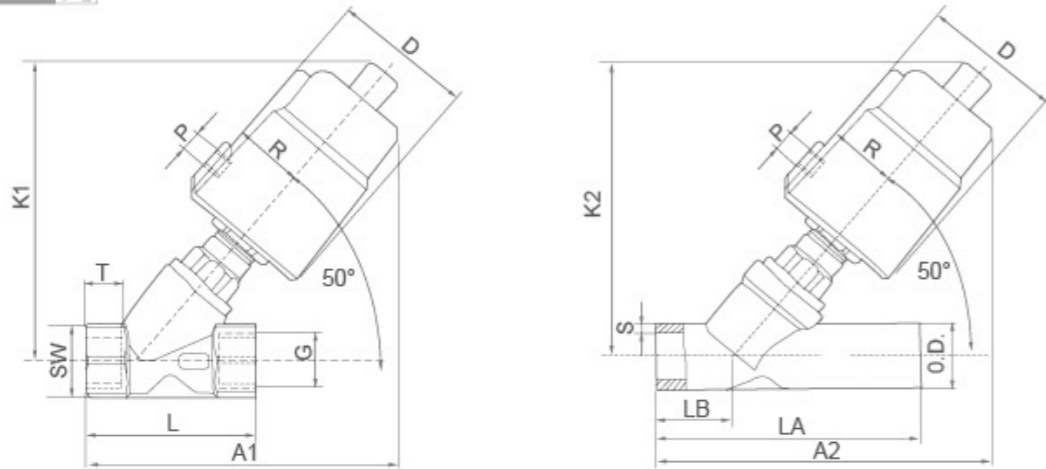
XC	10	40	□	□
Series Code	Port Size	Actuator Size	Type	Body Material
XC Series Stainless Steel Bevel Valve	10:G3/8" 15:G1/2" 20:G3/4" 25:G1" 32:G1-1/4" 40:G1-1/2" 50:G2" 65:G2-1/2" 80:G3"	40:40mm 50:50mm 63:63mm 90:90mm 100:100mm	SC:Single Action Normal Close SO:Single Action Normal Open DC:Double Action Normal Close DF:Double Action Free Installation	Blank:S.S 304 (Standard) 316:S.S 316 316L:S.S 316L

Specification

Model	XC10-80SC/SO/DC/DF		
Port size	DN10-DN50		
Thread	G3/8"-G3"		
Welded	DIN11850	2 DIN11850	3 ISO2037
Valve Body	CF8M		
Actuator	CF8		
Seat seals	PTFE		
Stem seals	PTFE/FKM		
Piston seals	FKM/NBR		

Model	XC10-80SC/SO/DC/DF	
Applicable medium	Water,liquid,neutral gas,water steam slight corrosive gas and liquid	
Temperature range	PTFE:-10℃ to +180℃	
Ambient temperature	-10℃ to +60℃	
Viscosity	max. 600mm ² /s	
Installation	Any position	
Controlling medium	Air or neutral gas	
Controlling pressure range	0.3~1Mpa	

Overall Dimensions



Dimension Sheet

Specification	Actuator (mm)	D	R	P	Thread						Welded					
					G	K1	A1	L	T	SW	O.D.	K2	A2	LA	LB	S
DN10	40	53	28	G1/8"	G3/8"	105	144	65	12	25	/	/	/	/	/	/
DN15	50	56	35	G1/8"	G1/2"	142	182	76	14	28	21	115	142	100	18	3
DN20	50	56	35	G1/8"	G3/4"	152	189	92	16	32	27	131	170	117	30	3
DN25	50	56	35	G1/8"	G1"	155	207	103	21	39	34	138	175	130	30	3
DN25	63	70	43	G1/8"	G1"	176	217	103	21	39	34	166	200	130	30	3
DN32	63	70	43	G1/8"	G1-1/4"	177	222	112	19	49	42	172	207	145	30	3
DN40	63	70	43	G1/8"	G1-1/2"	182	225	129	21	56	48	174	207	160	30	4
DN50	63	70	43	G1/8"	G2"	196	249	143	27	68	60	193	227	190	30	4
DN50	90	94	56	G1/4"	G2"	206	268	143	27	68	60	202	235	190	30	4
DN65	90	94	56	G1/4"	G2-1/2"	215	290	186	28	84	76	209	255	230	40	5
DN80	125	135	73	G1/4"	G3"	295	335	218	34	101	/	/	/	/	/	/

XQ22HD Series Right Angle Valve



Ordering Code

X	Q	22	HD	□	□	□
XCPC Product	Right angle valve code	Two-position Two-way	Air control liquid valve	Connection Size	Type	Material
				15:G1/2" 20:G3/4" 25:G1" 32:G1 1/4" 40:G1 1/2" 50:G2"	S:Single acting type D:Double acting type K:Normally open	Blank: Normal type H: High temperature type

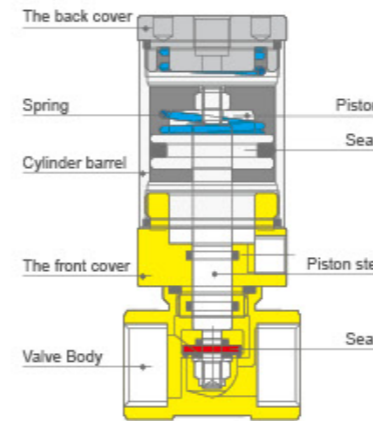
Product Features

Classical design, durable Air control design, energy saving and environmental protection Big flow rate, safety and Precision Can work at low pressure, smartness for on and off, good seal performance. There are two kinds of structure single acting type and double acting type.

Application: food, medicine, industry, abstersion, landification, printing, etc.

Remark: Normally open: Flow comes under the piston seal, against arrow on body.

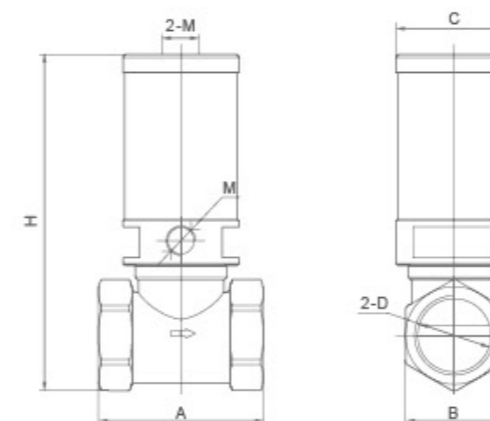
Internal structure



Specification

Model	Orifice	Medium	Working pressure	Temp range	Kv value(m3/k)
XQ22HD-15	15mm	Compress Air Water Oil	0.2~0.6MPa	-5-60℃ (High temperature) -5-150℃	4
XQ22HD-20	20mm				5
XQ22HD-25	25mm				10
XQ22HD-32	32mm				25
XQ22HD-40	40mm				25
XQ22HD-50	50mm				40

Overall Dimensions



Dimension Sheet

Model	A	B	C	D	H	M
XQ22HD-15	47	26	31	G1/2"	96	G1/8"
XQ22HD-20	54	33	31	G3/4"	102	G1/8"
XQ22HD-25	66	34	38	G1"	115	G1/8"
XQ22HD-32	77	48	46	G1-1/4"	143	G1/8"
XQ22HD-40	86	54	56	G1-1/2"	160	G1/8"
XQ22HD-50	116	67	69	G2"	182	G1/8"





Other Solenoid Valve / Solenoid Valve Accessories

Model	Product	Specification	Model	Product	Specification
4VXC-08		Valve type:5 port 2 way Orifice size:25mm ² (CV=1.40) Fluid Air(to be filtered by 40μ filter element) Acting Inner guide type Pressure range:0.25~1.0MPa Proof pressure:1.2MPa Temperature:5~50°C Voltage range:-10%~+10% Power consumption:AC:5.5VA DC:4.8W Insulation&Protection:F Class & IP65 Max frequency:5 cyclec Min activating time:0.05 secretary	XR2 Valve Group		Fluid medium:Compress Air Motion pattern:Direct acting Type:Normal Close,(2/2,3/2) Orifice:1.2mm Connection port:G1/8" Working pressure:0~0.8Mpa Working temperature:-20℃ ~80℃ Voltage Range:DC6~220V, AC24~220V,50/60Hz±10% Material of Body:Aluminum alloy Seal:NBR
XCZ-110-10-A Small Valve Group		Fluid medium:Compress Air Pattern:Direct acting Type:Normal Close,Two-position Three-way Orifice:0.7mm Connection port:M5 Working pressure:0~0.8Mpa Working temperature:0~60°C Voltage Range:DC12V~DC24V,±10% Power:≤3W Material of Body:Aluminum Seal:FPM	DL-6A DL-6B DL-6K DL Orifice Adjustable Steam Solenoid Valve		Medium:Water,Steam Pattern:Direct acting Type:Normal Close Orifice:2.5mm(DL-6A,DL-6B)0~2.5mm(DL-6K) Connection port:G1/4",G1/8" Working pressure:0~0.8Mpa Ambient temperature:0.1~180℃ Voltage:AC24,AC110V,AC220-240V, 50/60Hz,±10% Material of Body:Stainless Steel+Brass Seal:PTFE
Q22XD-2L Q23XD-2L		Port size: M10×1,G1/8" Use Pressure:0.15 to 0.8Mpa Apply Temperature:-5℃ ~50℃	F17 Petrol Solenoid Valve		Fluid medium:Petrol and solvents Motion Pattern:Direct acting Type:Normal Close,Two-position Two-way Orifice:Φ1.8mm,Φ3mm Connection port:Φ4 hose Working pressure:0~0.35Mpa Working temperature:-40℃ ~80℃ Voltage Range:DC12V DC24V Material of Body:POM Seal:VITON
3VKZF-15/10~25/20 3AKZF-15/10~25/20		Working Medium:Air Motion Pattern:Stop Type Aperture of Flow Rate:3V:16mm/25mm 3A:16mm/25mm Port Size,G1/2" / G3/8",G1" / G3/4", Working-pressure:0~1.0MPa Max. Pressure Resistance:1.5MPa Voltage Range:-10%~+10% Material of Body:Aluminum	RSC-1 RSC-2		Medium:Water,Gas Medium Temperature:0~100℃ Environment Temperature:0~40℃ Action method:Direct drive Pressure:Normally close 0~8bar Body material:PP 1/8" black 1/4" white Sealing material:EPDM Heat resistance grade:class B 130℃ Continuous Service:100% Wire Length:30cm(12")
XC601 5/2 3/2 (Armature)		Often used for 4V110 etc and small-sized special electromagnetism valves.	XC603 5/2 3/2 (Armature)		Often used for 4V210, 4V310,4V410 etc valves.
XCB601, 5/2 3/2 (Armature With Base)		Often used for 4V110 etc and small-sized special electromagnetism valves.	XCB603, 5/2 3/2 (Armature With Base)		Often used for 4V210, 4V310,4V410 etc valves.


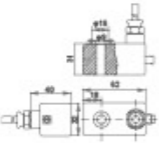

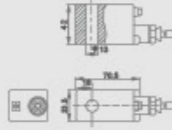

Solenoid Valve Accessories

Model	Product	Specification	Model	Product	Specification
Coil-110		Coil aperture,Height: Φ8×31 Applicable power and Voltage AC 6VA 12V-220V DC 3W 6V-110V	Coil-210		Coil aperture,Height: Φ9×29.5 Applicable power and Voltage AC 6VA 12V-220V DC 3W 6V-110V
DIN 43650C (Connectors)		Distance:9.4mm Form:2+1 GND Protection Class:IP65 (60529 Situation of IEC) Working Voltage:AC250V DC300V Nominal Current:10A Contact Resistance:≤5Ω Max. Conductor Section:3×0.75mm ² Fixing Screw:M3×25	DIN 43650B (Connectors)		Distance:11mm Form:2+1 GND Protection Class:IP65 (60529 Situation of IEC) Working Voltage:AC250V DC300V Nominal Current:10A Contact Resistance:≤5mΩ Max. Conductor Section:3×1.5mm ² Fixing Screw:M3×30
DIN 43650A (Connectors)		Distance:18mm Form:2+1 GND Protection Class:IP65(60529 Situation of IEC) Working Voltage:AC250V DC300V Nominal Current:10A Contact Resistance:≤5mΩ Max. Conductor Section:3×1.5mm ² Fixing Screw:M3×28	2V,2P Series Coil		Coil Aperture,height: Φ9×29.5 Applicable Power And Voltage: AC 8VA 12-220V DC 6 W 6V-110V
2W (UD) Series Coil UD-08		Coil Aperture,height: Φ14×31 Applicable Power And Voltage: AC 28VA 24-380V DC 12 W 6-380V	2W (UD) Coil UD-15		Coil aperture ,Height: Φ16×37 Applicable power and Voltage AC 18VA 24V-380V DC 16W 12V-380V
2W (UW) Series Coil		Coil Aperture,height: Φ16×17 Applicable Power And Voltage: AC 28VA 24-380V DC 24 W 24-380V	2W (2L,US) Large Aperture Coil US-H		Coil Aperture,height: Φ23×55 Applicable Power And Voltage: AC 28VA 24-380V DC 24 W 24-380V
2W(2L,US) Large Aperture Plastic Capsulation Coil		Coil Aperture,height: Φ22×55 Applicable Power And Voltage: AC 28VA 24-380V DC 24 W 24-380V	AB410A		Coil Aperture,height: Φ16×38 Applicable Power And Voltage: AC 28VA 24-380V DC 18 W 12-220V
PU Series Coil		Coil Aperture,height: Φ14.5×42 Applicable Power And Voltage: AC 15VA 24-380V DC 12.5 W 12-110V	VX Series Coil		Coil aperture,Height: Φ11×35 Applicable power and Voltage AC 13VA 12V-380V DC 8W 6V-380V

Solenoid Valve Accessories

Model	Product	Specification	Model	Product	Specification
PU220 Series Diaphragm		PU220-03A PU220-04A PU220-06A PU220-08A	PU225 Series Diaphragm		PU225-03A PU225-04A PU225-06A PU225-08A
2W Series Diaphragm		2W-160-15 2W-200-20 2W-250-25 2W-350-35 2W-400-40 2W-500-50	2L(US) Series Piston		2L-170-10/15/20 2L-200-25 2L-350-35/40 2L-500-50

Explosion-proof Coil & Timer

Model	Product	Specification	Model	Specification
Product No. XC280 Product Type 0980,0981				Normal Voltage AC220V,AC110V,AV24V,DC24V,DV12 Other Voltage can be customized Normal Power AC5.5VA,DC5W Other Power can be customized Explosion-proof level Exm I / II T4 Connection Type Connector Type Applicability EX-proof Solenoid Valve
Product No. XC281 Product Type 1380,1381		 Supply voltage		Normal Voltage AC220V,AC110V,AV24V,DC24V,DV12V Other Voltage can be customized Normal Power AC5.5VA,DC5W Other Power can be customized Explosion-proof level Exm I / II T4 Connection Type Connector Type Cable Applicability EX-proof Solenoid Valve
Valve Timer-1				Supply voltage 24..240V AC/DC-50Hz/60Hz for"CE"marked Absorption current Timer Operating current 4 mA max temperature -10℃ +50℃ Class protection IP65-EN60529 Switch holding voltage 400V Max Switch capacity 1A Inrush current 10A for 10ms Duty cycle 100% ED Switch Life 3x10 ⁸ Time ON From 0.5 to 10s. Time OFF From 0.5 to 45s. Indicators Yellow LED Manual override Test Termination DIN43650A

Pneumatic Accessories

Users usually overlook these accessories, but they are most necessary element in pneumatic system. XCPC knows the importance of these small parts, we never give up the high quality standard. The pneumatic accessories we can offer is plastic fittings, brass fittings, quick connectors, pipe fittings, quick couplers, air pipe(PU/PE/PA) and air guns etc.

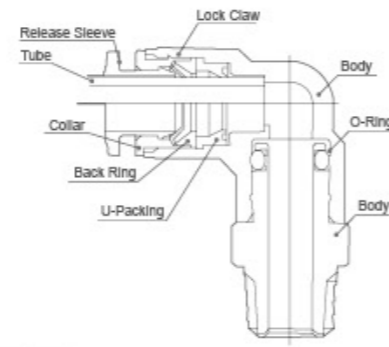


Pneumatic Tube Fittings

Feature

- One-Touch push-to-connect configuration allows an instant tubing connection.
- Smooth-Edge release sleeve design facilitates a quick tubing disconnection.
- Aesthetically pleasing nickel-plated metallic optional feature ensures anti-corrosion and anti-contamination properties of an extended product life.
- Pre-applied sealant on all external threads eliminates the additional sealing requirement.
- Internal and/of external flat-to-flat hexagonal configurations for both metric and inch specifications allow a proper tightening or directional orientation upon installation by using L key or allen wrench for the applicable model types.

Construction



Specification

Fluid Type	Air, Vacuum
Operating Pressure	0~10.2Kgf/cm ² (0~1.0Mpa)
Negative Pressure	-750mm Hg(10Torr)
Operating Temperature Range	0~60℃
Tube Material	Nylon and Polyurethane

(1) Model Type

(2) Tube Outer Diameter(ΦD)

Metric Tube					Inch Tube						
Code	04	06	08	10	12	14	16	1/4"	5/16"	3/8"	<input type="checkbox"/>
ΦD	4mm	6mm	8mm	10mm	12mm	14mm	16mm	1/4"	5/16"	3/8"	<input type="checkbox"/>

(3) Thread Type & Size

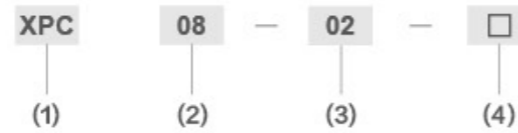
Metric Size

Metric Size			
Code	M5	M6	M8
Size	M5x0.8	M6x1	M8x1

(4) Body Color Code

- NO Code: Black Color
- GC: Grey Color

Ordering Code



Taper Pipe Thread

R(PT)Thread				
Code	01	02	03	04
Size	R1/8"	R1/4"	R3/8"	R1/2"

Inch Thread

G(PP)Thread				
Code	G01	G02	G03	G04
Size	G1/8"	G1/4"	G3/8"	G1/2"

NPT Thread

NPT Thread				
Code	N1	N2	N3	N4
Size	NPT1/8"	NPT1/4"	NPT3/8"	NPT1/2"

XPC

ΦD



T

MODEL(ΦD-T)

Tube(Metric)-Thread(R)		Tube(Inch)-Thread(R)		Tube(Inch)-Thread(NPT)			
XPC 04-M5	XPC 06-04	XPC 12-02	XPC 1/4-01	XPC 3/8-04	XPC 5/32-U	XPC 1/4-N2	XPC 1/2-N2
XPC 04-M6	XPC 08-01	XPC 12-03	XPC 1/4-02	XPC 1/2-02	XPC 5/32-N1	XPC 1/4-N3	XPC 1/2-N3
XPC 04-01	XPC 08-02	XPC 12-04	XPC 1/4-03	XPC 1/2-03	XPC 5/32-N2	XPC 5/16-N1	XPC 1/2-N4
XPC 04-02	XPC 08-03	XPC 14-03	XPC 5/16-01	XPC 1/2-04	XPC 3/16-U	XPC 5/16-N2	
XPC 06-M5	XPC 08-04	XPC 14-04	XPC 5/16-02		XPC 3/16-N1	XPC 5/16-N3	
XPC 06-M6	XPC 10-01	XPC 16-03	XPC 5/16-03		XPC 3/16-N2	XPC 3/8-N1	
XPC 06-01	XPC 10-02	XPC 16-04	XPC 3/8-01		XPC 3/16-N3	XPC 3/8-N2	
XPC 06-02	XPC 10-03		XPC 3/8-02		XPC 1/4-U	XPC 3/8-N3	
XPC 06-03	XPC 10-04		XPC 3/8-03		XPC 1/4-N1	XPC 3/8-N4	

XPOC

ΦD



T

MODEL(ΦD-T)

Tube(Metric)-Thread(R)		Tube(Inch)-Thread(R)		Tube(Inch)-Thread(NPT)		
XPOC 04-M5	XPOC 06-03	XPOC 10-04	XPOC 1/4-01	XPOC 5/32-U	XPOC 3/8-N2	
XPOC 04-M6	XPOC 08-01	XPOC 12-02	XPOC 1/4-02	XPOC 5/32-N1	XPOC 3/8-N3	
XPOC 04-01	XPOC 08-02	XPOC 12-03	XPOC 5/16-01	XPOC 1/4-U	XPOC 3/8-N4	
XPOC 04-02	XPOC 08-03	XPOC 12-04	XPOC 5/16-02	XPOC 1/4-N1	XPOC 1/2-N2	
XPOC 06-M5	XPOC 08-04	XPOC 14-03	XPOC 5/16-03	XPOC 1/4-N2	XPOC 1/2-N3	
XPOC 06-M6	XPOC 10-01	XPOC 14-04	XPOC 3/8-02	XPOC 5/16-N1	XPOC 1/2-N4	
XPOC 06-01	XPOC 10-02	XPOC 16-03	XPOC 3/8-03	XPOC 5/16-N2		
XPOC 06-02	XPOC 10-03	XPOC 16-04	XPOC 3/8-04	XPOC 5/16-N3		

Pneumatic Tube Fittings

XPL



T

ΦD

MODEL(ΦD-T)

Tube(Metric)-Thread(R)			Tube(Inch)-Thread(R)		Tube(Inch)-Thread(NPT)		
XPL 04-M5	XPL 06-04	XPL 12-02	XPL 1/4-01	XPL 3/8-04	XPL 5/32-U	XPL 1/4-N2	XPL 1/2-N2
XPL 04-M6	XPL 08-01	XPL 12-03	XPL 1/4-02	XPL 1/2-02	XPL 5/32-N1	XPL 1/4-N3	XPL 1/2-N3
XPL 04-01	XPL 08-02	XPL 12-04	XPL 1/4-03	XPL 1/2-03	XPL 5/32-N2	XPL 5/16-N1	XPL 1/2-N4
XPL 04-02	XPL 08-03	XPL 14-03	XPL 5/16-01	XPL 1/2-04	XPL 3/16-U	XPL 5/16-N2	
XPL 06-M5	XPL 08-04	XPL 14-04	XPL 5/16-02		XPL 3/16-N1	XPL 5/16-N3	
XPL 06-M6	XPL 10-01	XPL 16-03	XPL 5/16-03		XPL 3/16-N2	XPL 3/8-N1	
XPL 06-01	XPL 10-02	XPL 16-04	XPL 3/8-01		XPL 3/16-N3	XPL 3/8-N2	
XPL 06-02	XPL 10-03		XPL 3/8-02		XPL 1/4-U	XPL 3/8-N3	
XPL 06-03	XPL 10-04		XPL 3/8-03		XPL 1/4-N1	XPL 3/8-N4	

XPLL



T

ΦD

MODEL(ΦD-T)

Tube(Metric)-Thread(R)			Tube(Inch)-Thread(R)		Tube(Inch)-Thread(NPT)		
XPLL 04-M5	XPLL 06-04	XPLL 12-02	XPLL 1/4-01		XPLL 5/32-U	XPLL 5/16-N2	
XPLL 04-M6	XPLL 08-01	XPLL 12-03	XPLL 1/4-02		XPLL 5/32-N1	XPLL 5/16-N3	
XPLL 04-01	XPLL 08-02	XPLL 12-04	XPLL 5/16-02		XPLL 3/16-N1	XPLL 3/8-N2	
XPLL 04-02	XPLL 08-03	XPLL 14-03	XPLL 3/8-02		XPLL 3/16-N2	XPLL 3/8-N3	
XPLL 06-M5	XPLL 08-04	XPLL 14-04	XPLL 3/8-03		XPLL 3/16-N3	XPLL 3/8-N4	
XPLL 06-M6	XPLL 10-01	XPLL 16-03			XPLL 1/4-N1	XPLL 1/2-N2	
XPLL 06-01	XPLL 10-02	XPLL 16-04			XPLL 1/4-N2	XPLL 1/2-N3	
XPLL 06-02	XPLL 10-03				XPLL 1/4-N3	XPLL 1/2-N4	
XPLL 06-03	XPLL 10-04				XPLL 5/16-N1		

XPLF



T

ΦD

MODEL(ΦD-T)

Tube(Metric)-Thread(R)			Tube(Inch)-Thread(R)		
XPLF 04-M5	XPLF 08-01	XPLF 12-03	XPLF 5/32-N1	XPLF 3/8-N3	
XPLF 04-M6	XPLF 08-02	XPLF 12-04	XPLF 3/16-N1	XPLF 1/2-N3	
XPLF 04-01	XPLF 08-03	XPLF 14-03	XPLF 3/16-N2	XPLF 1/2-N4	
XPLF 04-02	XPLF 08-04	XPLF 14-04	XPLF 1/4-N1		
XPLF 06-M5	XPLF 10-01	XPLF 16-03	XPLF 1/4-N2		
XPLF 06-M6	XPLF 10-02	XPLF 16-04	XPLF 5/16-N1		
XPLF 06-01	XPLF 10-03		XPLF 5/16-N2		
XPLF 06-02	XPLF 10-04		XPLF 5/16-N3		
XPLF 06-03	XPLF 12-02		XPLF 3/8-N2		

XPCF

ΦD



T

MODEL(ΦD-T)

Tube(Metric)-Thread(R)		Tube(Inch)-Thread(R)		Tube(Inch)-Thread(NPT)	
XPCF 04-01	XPCF 10-01	XPCF 1/4-01		XPCF 5/32-N1	XPCF 3/8-N2
XPCF 04-02	XPCF 10-02	XPCF 1/4-02		XPCF 5/32-N2	XPCF 3/8-N3
XPCF 06-01	XPCF 10-03	XPCF 5/16-01		XPCF 3/16-N1	XPCF 1/2-N2
XPCF 06-02	XPCF 10-04	XPCF 5/16-02		XPCF 3/16-N2	XPCF 1/2-N3
XPCF 06-03	XPCF 12-02	XPCF 3/8-02		XPCF 1/4-N1	
XPCF 08-01	XPCF 12-03	XPCF 3/8-03		XPCF 1/4-N2	
XPCF 08-02	XPCF 12-04			XPCF 5/16-N1	
XPCF 08-03	XPCF 16-03			XPCF 5/16-N2	
XPCF 08-04	XPCF 16-04			XPCF 5/16-N3	

XPB




T


ΦD



MODEL(ΦD-T)


Tube(Metric)-Thread(R)			Tube(Inch)-Thread(R)		Tube(Inch)-Thread(NPT)		
XPB 04-M5	XPB 06-04	XPB 12-02	XPB 1/4-01	XPB 3/8-04	XPB 5/32-U	XPB 1/4-N2	XPB 1/2-N2
XPB 04-M6	XPB 08-01	XPB 12-03	XPB 1/4-02	XPB 1/2-02	XPB 5/32-N1	XPB 1/4-N3	XPB 1/2-N3
XPB 04-01	XPB 08-02	XPB 12-04	XPB 1/4-03	XPB 1/2-03	XPB 5/32-N2	XPB 5/16-N1	XPB 1/2-N4
XPB 04-02	XPB 08-03	XPB 14-03	XPB 5/16-01	XPB 1/2-04	XPB 3/16-U	XPB 5/16-N2	
XPB 06-M5	XPB 08-04	XPB 14-04	XPB 5/16-02		XPB 3/16-N1	XPB 5/16-N3	
XPB 06-M6	XPB 10-01	XPB 16-03	XPB 5/16-03		XPB 3/16-N2	XPB 3/8-N1	
XPB 06-01	XPB 10-02	XPB 16-04	XPB 3/8-01		XPB 3/16-N3	XPB 3/8-N2	
XPB 06-02	XPB 10-03		XPB 3/8-02		XPB 1/4-U	XPB 3/8-N3	
XPB 06-03	XPB 10-04		XPB 3/8-03		XPB 1/4-N1	XPB 3/8-N4	


Pneumatic Tube Fittings

XPD	MODEL(ΦD-T)							
	Tube(Metric)-Thread(R)			Tube(Inch)-Thread(R)		Tube(Inch)-Thread(NPT)		
	XPD 04-M5	XPD 06-04	XPD 12-02	XPD 1/4-01	XPD 3/8-04	XPD 5/32-U	XPD 1/4-N2	XPD 1/2-N2
	XPD 04-M6	XPD 08-01	XPD 12-03	XPD 1/4-02	XPD 1/2-02	XPD 5/32-N1	XPD 1/4-N3	XPD 1/2-N3
	XPD 04-01	XPD 08-02	XPD 12-04	XPD 1/4-03	XPD 1/2-03	XPD 5/32-N2	XPD 5/16-N1	XPD 1/2-N4
	XPD 04-02	XPD 08-03	XPD 14-03	XPD 5/16-01	XPD 1/2-04	XPD 3/16-U	XPD 5/16-N2	
	XPD 06-M5	XPD 08-04	XPD 14-04	XPD 5/16-02		XPD 3/16-N1	XPD 5/16-N3	
	XPD 06-M6	XPD 10-01	XPD 16-03	XPD 5/16-03		XPD 3/16-N2	XPD 3/8-N1	
	XPD 06-01	XPD 10-02	XPD 16-04	XPD 3/8-01		XPD 3/16-N3	XPD 3/8-N2	
	XPD 06-02	XPD 10-03		XPD 3/8-02		XPD 1/4-U	XPD 3/8-N3	
	XPD 06-03	XPD 10-04		XPD 3/8-03		XPD 1/4-N1	XPD 3/8-N4	


XPX	MODEL(ΦD-T)							
	Tube(Metric)-Thread(R)			Tube(Inch)-Thread(R)		Tube(Inch)-Thread(NPT)		
	XPX 04-M5	XPX 06-04	XPX 12-02	XPX 1/4-01	XPX 3/8-04	XPX 5/32-U	XPX 1/4-N2	XPX 1/2-N2
	XPX 04-M6	XPX 08-01	XPX 12-03	XPX 1/4-02	XPX 1/2-02	XPX 5/32-N1	XPX 1/4-N3	XPX 1/2-N3
	XPX 04-01	XPX 08-02	XPX 12-04	XPX 1/4-03	XPX 1/2-03	XPX 5/32-N2	XPX 5/16-N1	XPX 1/2-N4
	XPX 04-02	XPX 08-03		XPX 5/16-01	XPX 1/2-04	XPX 3/16-U	XPX 5/16-N2	
	XPX 06-M5	XPX 08-04		XPX 5/16-02		XPX 3/16-N1	XPX 5/16-N3	
	XPX 06-M6	XPX 10-01		XPX 5/16-03		XPX 3/16-N2	XPX 3/8-N1	
	XPX 06-01	XPX 10-02		XPX 3/8-01		XPX 3/16-N3	XPX 3/8-N2	
	XPX 06-02	XPX 10-03		XPX 3/8-02		XPX 1/4-U	XPX 3/8-N3	
	XPX 06-03	XPX 10-04		XPX 3/8-03		XPX 1/4-N1	XPX 3/8-N4	


XPKB	MODEL(ΦD-T)		XPKD	MODEL(ΦD-T)	
	Tube(Inch)-Thread(R)			Tube(Inch)-Thread(R)	
	XPKB 04-01			XPKD 06-04-01	
	XPKB 04-02			XPKD 3/16-5/32-N1	
	XPKB 06-01			XPKD 08-04-02	
	XPKB 06-02			XPKD 1/4-5/32-N1	
	XPKB 06-03			XPKD 08-06-02	
	XPKB 08-01			XPKD 5/16-5/32-N2	
	XPKB 08-02			XPKD 10-08-03	
	XPKB 08-03			XPKD 5/16-1/4-N2	
				XPKD 3/8-5/16-N3	


XPH	MODEL(ΦD-T)					
	Tube(Metric)-Thread(R)		Tube(Inch)-Thread(R)		Tube(Inch)-Thread(NPT)	
	XPH 04-M5	XPH 08-01	XPH 12-04	XPH 1/4-05	XPH 5/32-U	XPH 5/16-N3
	XPH 04-M6	XPH 08-02		XPH 1/4-01	XPH 5/32-N1	XPH 3/8-N2
	XPH 04-01	XPH 08-03		XPH 1/4-02	XPH 3/16-U	XPH 3/8-N3
	XPH 04-02	XPH 08-04		XPH 5/16-01	XPH 3/16-N1	XPH 1/2-N3
	XPH 06-M5	XPH 10-02		XPH 5/16-02	XPH 3/16-N2	XPH 1/2-N4
	XPH 06-M6	XPH 10-03		XPH 5/16-03	XPH 1/4-N1	
	XPH 06-01	XPH 10-04		XPH 3/8-02	XPH 1/4-N2	
	XPH 06-02	XPH 12-02		XPH 3/8-03	XPH 5/16-N1	
	XPH 06-03	XPH 12-03			XPH 5/16-N2	



XPHF	MODEL(ΦD-T)					
	Tube(Metric)-Thread(R)		Tube(Inch)-Thread(R)		Tube(Inch)-Thread(NPT)	
	XPHF 04-M5	XPHF 08-01	XPHF 12-04	XPHF 1/4-M5	XPHF 5/32-U	XPHF 5/16-N3
	XPHF 04-M6	XPHF 08-02		XPHF 1/4-01	XPHF 5/32-N1	XPHF 3/8-N2
	XPHF 04-01	XPHF 08-03		XPHF 1/4-02	XPHF 3/16-U	XPHF 3/8-N3
	XPHF 04-02	XPHF 08-04		XPHF 5/16-01	XPHF 3/16-N1	XPHF 1/2-N3
	XPHF 06-M5	XPHF 10-02		XPHF 5/16-02	XPHF 3/16-N2	XPHF 1/2-N4
	XPHF 06-M6	XPHF 10-03		XPHF 5/16-03	XPHF 1/4-N1	
	XPHF 06-01	XPHF 10-04		XPHF 3/8-02	XPHF 1/4-N2	
	XPHF 06-02	XPHF 12-02		XPHF 3/8-03	XPHF 5/16-N1	
	XPHF 06-03	XPHF 12-03			XPHF 5/16-N2	



Pneumatic Tube Fittings

XPMF	MODEL(ΦD-T)			
	Tube(Metric)-Thread(RC)		Tube(Inch)-Thread(NPT)	
	XPMF 04-01	XPMF 10-01	XPMF 5/32-N1	XPMF 3/8-N3
	XPMF 04-02	XPMF 10-02	XPMF 3/16-N1	XPMF 1/2-N3
	XPMF 06-01	XPMF 10-03	XPMF 3/16-N2	XPMF 1/2-N4
	XPMF 06-02	XPMF 10-04	XPMF 1/4-N1	
	XPMF 06-03	XPMF 12-02	XPMF 1/4-N2	
	XPMF 08-01	XPMF 12-03	XPMF 5/16-N1	
	XPMF 08-02	XPMF 12-04	XPMF 5/16-N2	
	XPMF 08-03	XPMF 14-04	XPMF 5/16-N3	
	XPMF 08-04	XPMF 16-04	XPMF 3/8-N2	



XPGJ	MODEL(ΦD1-ΦD2)		
	Tube(Metric)-Thread(R)	Tube(Inch)-Thread(R)	Tube(Inch)-Thread(NPT)
	XPGJ 06-04	XPGJ 08-1/4	XPGJ 1/4-5/32
	XPGJ 08-04	XPGJ 10-1/4	XPGJ 5/16-5/32
	XPGJ 08-06	XPGJ 10-5/16	XPGJ 5/16-1/4
	XPGJ 10-06	XPGJ 12-1/4	XPGJ 3/8-1/4
	XPGJ 10-08	XPGJ 12-5/16	XPGJ 3/8-5/16
	XPGJ 12-06		XPGJ 1/2-1/4
	XPGJ 12-08		XPGJ 1/2-5/16
	XPGJ 12-10		XPGJ 1/2-3/8

XPLJ	MODEL(ΦD)		XPLGJ	MODEL(ΦD1-ΦD2)	
	Tube(Metric)	Tube(Inch)		Tube(Metric)	Tube(Inch)
	XPLJ 04	XPLJ 5/32		XPLGJ 06-04	XPLGJ 3/16-5/32
	XPLJ 06	XPLJ 3/16		XPLGJ 08-06	XPLGJ 1/4-5/32
	XPLJ 08	XPLJ 1/4		XPLGJ 10-08	XPLGJ 1/4-3/16
	XPLJ 10	XPLJ 5/16		XPLGJ 12-10	XPLGJ 5/16-1/4
	XPLJ 12	XPLJ 3/8			XPLGJ 3/8-5/16
		XPLJ 1/2			XPLGJ 1/2-3/8



XPYJ	MODEL(ΦD)		XPWJ	MODEL(ΦD1-ΦD2)	
	Tube(Metric)	Tube(Inch)		Tube(Metric)	Tube(Inch)
	XPYJ 04	XPYJ 5/32		XPWJ 06-04	XPWJ 1/4-5/32
	XPYJ 06	XPYJ 3/16		XPWJ 08-06	XPWJ 5/16-1/4
	XPYJ 08	XPYJ 1/4		XPWJ 10-08	XPWJ 3/8-5/16
	XPYJ 10	XPYJ 5/16		XPWJ 12-10	XPWJ 1/2-3/8
	XPYJ 12	XPYJ 3/8			
		XPYJ 1/2			



XPIJ	MODEL(ΦD)		XPKJ	MODEL(ΦD1-ΦD2)	
	Tube(Metric)	Tube(Inch)		Tube(Metric)	Tube(Inch)
	XPIJ 04	XPIJ 5/32		XPKJ 06-04	XPKJ 3/16-5/32
	XPIJ 06	XPIJ 3/16		XPKJ 08-04	XPKJ 1/4-5/32
	XPIJ 08	XPIJ 1/4		XPKJ 08-06	XPKJ 5/16-5/32
	XPIJ 10	XPIJ 5/16		XPKJ 10-06	XPKJ 5/16-3/16
	XPIJ 12	XPIJ 3/8		XPKJ 10-08	XPKJ 5/16-1/4
	XPIJ 16	XPIJ 1/2			XPKJ 3/8-1/4
					XPKJ 3/8-5/16

Pneumatic Tube Fittings

XPDJ	MODEL(ΦD)		XPSJ	MODEL(ΦD1-ΦD2)	
	Tube(Metric)	Tube(Inch)		Tube(Metric)	Tube(Inch)
	XPDJ 04	XPDJ 08-06		XPSJ 06-04	XPSJ 1/4-5/32
	XPDJ 06	XPDJ 10-08		XPSJ 08-06	XPSJ 5-16-1/4
	XPDJ 08	XPDJ 12-10		XPSJ 10-08	XPSJ 3/8-5-16
	XPDJ 10			XPSJ 12-10	XPSJ 1-2-3/8
	XPDJ 12				
	XPDJ 06-04				



XPTJ	MODEL(ΦD1-ΦD2)		XPP	MODEL(ΦD)	
	Tube(Metric)	Tube(Inch)		Tube(Metric)	Tube(Inch)
	XPTJ 06-04	XPTJ 1/4-5/32		XPP 04	XPP 5/32
	XPTJ 08-06	XPTJ 5/16-1/4		XPP 06	XPP 3/16
	XPTJ 10-08	XPTJ 3/8-5/16		XPP 08	XPP 1/4
	XPTJ 12-10	XPTJ 1/2-3/8		XPP 10	XPP 5/16
		XPP 12		XPP 3/8	
		XPP 16		XPP 1/2	



XPIG	MODEL(ΦD1-ΦD2)		XPM	MODEL(ΦD)	
	Tube(Metric)	Tube(Inch)		Tube(Metric)	Tube(Inch)
	XPIG 06-04	XPIG 3/16-5/32		XPM 04	XPM 5/32
	XPIG 08-06	XPIG 1/4-5/32		XPM 06	XPM 3/16
	XPIG 10-08	XPIG 1/4-3/16		XPM 08	XPM 1/4
	XPIG 12-10	XPIG 5/16-1/4		XPM 10	XPM 5/16
	XPIG 16-12	XPIG 3/8-5/16		XPM 12	XPM 3/8
		XPIG 1/2-3/8		XPM 14	XPM 1/2
		XPM 16			



XPZA	MODEL(ΦD)		XPKG	MODEL(ΦD1-ΦD2)	
	Tube(Metric)	Tube(Inch)		Tube(Metric)	Tube(Inch)
	XPZA 04	XPZA 5/32		XPKG 06-04	XPKG 3/16-5/32
	XPZA 06	XPZA 3/16		XPKG 08-04	XPKG 1/4-5/32
	XPZA 08	XPZA 1/4		XPKG 08-06	XPKG 5/16-5/32
	XPZA 10	XPZA 5/16		XPKG 10-06	XPKG 3/16-3/16
	XPZA 12	XPZA 3/8		XPKG 10-08	XPKG 5/16-1/4
		XPZA 1/2			XPKG 3/8-1/4
			XPKG 3/8-5/16		



XPK	MODEL(ΦD)		XPLM	MODEL(ΦD)	
	Tube(Metric)	Tube(Inch)		Tube(Metric)	Tube(Inch)
	XPK 04	XPK 5/32		XPLM 04	
	XPK 06	XPK 3/16		XPLM 06	
	XPK 08	XPK 1/4		XPLM 08	
		XPK 5/16		XPLM 10	
		XPLM 12			



Pneumatic Tube Fittings

XPHT(2)	MODEL(ΦD-T)		XPLGJ	MODEL(ΦD-T)	
	Tube(Metric)-Thread(R)	Tube(Metric)-Thread(R)		Tube(Metric)-Thread(R)	Tube(Metric)-Thread(R)
	XPHT04 -01(2)	XPHT08 -04(2)		XPHT04 -01(3)	XPHT08 -04(3)
	XPHT04 -02(2)	XPHT10 -01(2)		XPHT04 -02(3)	XPHT10 -01(3)
	XPHT06 -01(2)	XPHT10 -02(2)		XPHT06 -01(3)	XPHT10 -02(3)
	XPHT06 -02(2)	XPHT10 -03(2)		XPHT06 -02(3)	XPHT10 -03(3)
	XPHT06 -03(2)	XPHT10 -04(2)		XPHT06 -03(3)	XPHT10 -04(3)
	XPHT08 -01(2)	XPHT12 -02(2)		XPHT08 -01(3)	XPHT12 -02(3)
	XPHT08 -02(2)	XPHT12 -03(2)		XPHT08 -02(3)	XPHT12 -03(3)
	XPHT08 -03(2)	XPHT12 -04(2)		XPHT08 -03(3)	XPHT12 -04(3)



XPPF	MODEL(ΦD)		XPU	MODEL(ΦD)	
	Tube(Metric)	Tube(Inch)		Tube(Metric)	Tube(Inch)
	XPPF04			XPU 04	XPU 5/32
	XPPF06			XPU 06	XPU 3/16
	XPPF07			XPU 08	XPU 1/4
	XPPF08			XPU 10	XPU 5/16
	XPPF10			XPU 12	XPU 3/8
	XPPF12			XPU 14	XPU 1/2
		XPU 16			



XPV	MODEL(ΦD)		XPE	MODEL(ΦD)	
	Tube(Metric)	Tube(Inch)		Tube(Metric)	Tube(Inch)
	XPV 04	XPV 5/32		XPE 04	XPE 5/32
	XPV 06	XPV 3/16		XPE 06	XPE 3/16
	XPV 08	XPV 1/4		XPE 08	XPE 1/4
	XPV 10	XPV 5/16		XPE 10	XPE 5/16
	XPV 12	XPV 3/8		XPE 12	XPE 3/8
	XPV 14	XPV 1/2		XPE 14	XPE 1/2
	XPV 16			XPE 16	

XPY	MODEL(ΦD-T)		XPG	MODEL(ΦD1-ΦD2)	
	Tube(Metric)	Tube(Inch)		Tube(Metric)	Tube(Inch)
	XPY 04	XPY 5/32		XPG 06-04	XPG 3/16-5/32
	XPY 06	XPY 3/16		XPG 08-04	XPG 1/4-5/32
	XPY 08	XPY 1/4		XPG 08-06	XPG 1/4-3/16
	XPY 10	XPY 5/16		XPG 10-06	XPG 5/16-1/4
	XPY 12	XPY 3/8		XPG 10-08	XPG 3/8-5/16
		XPY 1/2		XPG 12-10	XPG 1/2-3/8
		XPG 16-12			
		XPG 16-14			

XPGE	MODEL(ΦD1-ΦD2)		XPEG	MODEL(ΦD1-ΦD2)	
	Tube(Metric)	Tube(Inch)		Tube(Metric)	Tube(Inch)
	XPGE 06-04	XPGE 1/4-5/32		XPEG 06-04	XPEG 1/4-5/32
	XPGE 08-06	XPGE 5/16-1/4		XPEG 08-06	XPEG 5/16-1/4
	XPGE 10-08	XPGE 3/8-5/16		XPEG 10-08	XPEG 3/8-5/16
	XPGE 12-10	XPGE 1/2-3/8		XPEG 12-10	XPEG 1/2-3/8
	XPGE 16-12			XPEG 16-12	



Pneumatic Tube Fittings

XPW	MODEL(Φ D)		XPXJ	MODEL(Φ D1- Φ D2)	
	Tube(Metric)	Tube(Inch)		Tube(Metric)	
	XPW 06-04	XPW 3/16-5/32		XPXJ08-06	
	XPW 08-06	XPW 1/4-5/32			
	XPW 10-08	XPW 1/4-3/16			
	XPW 12-10	XPW 5/16-1/4			
		XPW 3/8-5/16			
		XPW 1/2-3/8			

XPXG	MODEL(Φ D1- Φ D2)		XPXT	MODEL(Φ D-T)	
	Tube(Metric)-Thread(R)			Tube(Metric)-Thread(R)	
	XPXG 08-06			XPXT06-01	
				XPXT06-02	



Pneumatic Tube Fittings With G Thread(o-ring)



XPC-G	MODEL(Φ D-T)			XPL-G	MODEL(Φ D-T)		
	Tube(Metric)-Thread(G)				Tube(Metric)-Thread(G)		
	XPC04-G01	XPC08-G02	XPC12-G02		XPL04-G01	XPL08-G02	XPL12-G02
	XPC04-G02	XPC08-G03	XPC12-G03		XPL04-G02	XPL08-G03	XPL12-G03
	XPC06-G01	XPC08-G04	XPC12-G04		XPL06-G01	XPL08-G04	XPL12-G04
	XPC06-G02	XPC10-G01	XPC14-G03		XPL06-G02	XPL10-G01	XPL14-G03
	XPC06-G03	XPC10-G02	XPC14-G04		XPL06-G03	XPL10-G02	XPL14-G04
	XPC06-G04	XPC10-G03	XPC16-G03		XPL06-G04	XPL10-G03	XPL16-G03
	XPC08-G01	XPC10-G04	XPC16-G04		XPL08-G01	XPL10-G04	XPL16-G04

XPB-G	MODEL(Φ D-T)			XPD-G	MODEL(Φ D-T)		
	Tube(Metric)-Thread(G)				Tube(Metric)-Thread(G)		
	XPB04-G01	XPB08-G02	XPB12-G02		XPD04-G01	XPD08-G02	XPD12-G02
	XPB04-G02	XPB08-G03	XPB12-G03		XPD04-G02	XPD08-G03	XPD12-G03
	XPB06-G01	XPB08-G04	XPB12-G04		XPD06-G01	XPD08-G04	XPD12-G04
	XPB06-G02	XPB10-G01	XPB14-G03		XPD06-G02	XPD10-G01	XPD14-G03
	XPB06-G03	XPB10-G02	XPB14-G04		XPD06-G03	XPD10-G02	XPD14-G04
	XPB06-G04	XPB10-G03	XPB16-G03		XPD06-G04	XPD10-G03	XPD16-G03
	XPB08-G01	XPB10-G04	XPB16-G04		XPD08-G01	XPD10-G04	XPD16-G04



XPLH-G	MODEL(Φ D-T)		XPLL-G	MODEL(Φ D-T)	
	Tube(Metric)-Thread(G)			Tube(Metric)-Thread(G)	
	XPLH 04-G01	XPLH 10-G01		XPLL 04-G01	XPLL 10-G01
	XPLH 04-G02	XPLH 10-G02		XPLL 04-G02	XPLL 10-G02
	XPLH 06-G01	XPLH 10-G03		XPLL 06-G01	XPLL 10-G03
	XPLH 06-G02	XPLH 10-G04		XPLL 06-G02	XPLL 10-G04
	XPLH 06-G03	XPLH 12-G02		XPLL 06-G03	XPLL 12-G02
	XPLH 06-G04	XPLH 12-G03		XPLL 06-G04	XPLL 12-G03
	XPLH 08-G01	XPLH 12-G04		XPLL 08-G01	XPLL 12-G04
	XPLH 08-G02			XPLL 08-G02	XPLL 14-G04
	XPLH 08-G03			XPLL 08-G03	XPLL 16-G03
	XPLH 08-G04			XPLL 08-G04	XPLL 16-G04

Pneumatic Tube Fittings With G Thread(o-ring)

XPX-G	MODEL(Φ D-T)		XPKD-G	MODEL(Φ D1- Φ D2-T)	
	Tube(Metric)-Thread(G)			Tube(Metric)-Thread(G)	
	XPX 04-G01	XPX 08-G04		XPKD 06-04-G01	
	XPX 04-G02	XPX 10-G01		XPKD 08-04-G02	
	XPX 06-G01	XPX 10-G02		XPKD 08-06-G02	
	XPX 06-G02	XPX 10-G03		XPKD 10-08-G03	
	XPX 06-G03	XPX 10-G04			
	XPX 06-G04	XPX 12-G02			
	XPX 08-G01	XPX 12-G03			
	XPX 08-G02	XPX 12-G04			
	XPX 08-G03				

XPH-G	MODEL(Φ D-T)		XPHF-G	MODEL(Φ D-T)	
	Tube(Metric)-Thread(G)			Tube(Metric)-Thread(G)	
	XPH 04-G01	XPH 10-G02		XPHF 04-G01	XPHF 10-G02
	XPH 06-G01	XPH 10-G03		XPHF 06-G01	XPHF 10-G03
	XPH 06-G02	XPH 12-G03		XPHF 06-G02	XPHF 12-G03
	XPH 08-G01	XPH 12-G04		XPHF 08-G01	XPHF 12-G04
	XPH 08-G02			XPHF 08-G02	
	XPH 08-G03			XPHF 08-G03	

XPCF-G	MODEL(Φ D-T)		XPLF-G	MODEL(Φ D-T)	
	Tube(Metric)	Tube(Inch)		Tube(Metric)	Tube(Inch)
	XPCF 04-G01	XPCF 10-G02		XPLF 04-G01	XPLF 10-G02
	XPCF 04-G02	XPCF 10-G03		XPLF 04-G02	XPLF 10-G03
	XPCF 06-G01	XPCF 10-G04		XPLF 06-G01	XPLF 10-G04
	XPCF 06-G02	XPCF 12-G02		XPLF 06-G02	XPLF 12-G02
	XPCF 06-G03	XPCF 12-G03		XPLF 06-G03	XPLF 12-G03
	XPCF 08-G01	XPCF 12-G04		XPLF 08-G01	XPLF 12-G04
	XPCF 08-G02	XPCF 14-G03		XPLF 08-G02	XPLF 14-G03
	XPCF 08-G03	XPCF 14-G04		XPLF 08-G03	XPLF 14-G04
	XPCF 08-G04	XPCF 16-G03		XPLF 08-G04	XPLF 16-G03
	XPCF 10-G01	XPCF 16-G04		XPLF 10-G01	XPLF 16-G04

XPOC-G	MODEL(Φ D-T)		XPXT-G	MODEL(Φ D-T)	
	Tube(Metric)			Tube(Metric)-Thread(G)	
	XPOC 04-G01	XPOC 10-G01		XPXT 06-G01	
	XPOC 04-G02	XPOC 10-G02		XPXT 06-G02	
	XPOC 06-G01	XPOC 10-G03			
	XPOC 06-G02	XPOC 10-G04			
	XPOC 06-G03	XPOC 12-G02			
	XPOC 06-G04	XPOC 12-G03			
	XPOC 08-G01	XPOC 12-G04			
	XPOC 08-G02	XPOC 14-G04			
	XPOC 08-G03	XPOC 16-G03			
	XPOC 08-G04	XPOC 16-G04			

Speed Controls

Feature

- Accurate regulation of an optimal airflow rate for precise motion control.
- Compact and space-saving configuration provides a functionally wide range of airflow rates.
- Available in control method type for metering of unidirectional airflow either entering into or exhausting out of a driving device.

Specification

Fluid Type	Air, Vacuum
Operating Pressure	0~10.2Kg/cm ² (0~1.0Mpa)
Negative Pressure	-750mm Hg(10Torr)
Operating Temperature Range	0~60°C
Tube Material	Nylon and Polyurethane

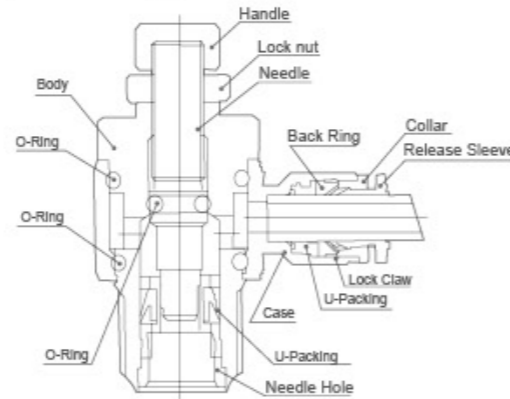
Ordering Code

XJSC	08	02
(1)	(2)	(3)

(1) Model Type
(2) Tube Outer Diameter(ΦD)

Metric Tube							
Code	04	06	08	10	12	14	16
ΦD	4mm	6mm	8mm	10mm	12mm	14mm	16mm

Construction



(3) Thread Type & Size

Metric Size		R(PT)Thread				
Code	M5	M6	01	02	03	04
ΦD	M5×0.8	M6×1	R1/8"	R1/4"	R3/8"	R1/2"

G(PF)Thread				
Code	G01	G02	G03	G04
Size	G1/8"	G1/4"	G3/8"	G1/2"

XJSC



MODEL(ΦD-T)	Tube(Metric)-Thread(R)			Tube(Inch)-Thread(R)		Tube(Inch)-Thread(NPT)		
		XJSC 04-M5	XJSC 06-04	XJSC 10-03	XJSC 1/4-M5	XJSC 5/16-02	XJSC 5/32-U	XJSC 1/4-N1
	XJSC 04-01	XJSC 08-01	XJSC 10-04	XJSC 1/4-01	XJSC 5/16-03	XJSC 5/32-N1	XJSC 1/4-N2	XJSC 3/8-N3
	XJSC 04-02	XJSC 08-02	XJSC 12-02	XJSC 1/4-02	XJSC 3/8-02	XJSC 3/16-U	XJSC 1/4-N3	XJSC 3/8-N4
	XJSC 06-M5	XJSC 08-03	XJSC 12-03	XJSC 5/16-01	XJSC 3/8-03	XJSC 3/16-N1	XJSC 5/16-N1	XJSC 1/2-N3
	XJSC 06-01	XJSC 08-04	XJSC 12-04			XJSC 3/16-N2	XJSC 5/16-N2	XJSC 1/2-N4
	XJSC 06-02	XJSC 10-01				XJSC 3/16-N3	XJSC 5/16-N3	
	XJSC 06-03	XJSC 10-02		XJSC 1/4-U	XJSC 5/16-N4			

XJSC-G



MODEL(ΦD-T)	Tube(Metric)-Thread(G)		
	XJSC04-G01	XJSC08-G02	XJSC12-G02
	XJSC04-G02	XJSC08-G03	XJSC12-G03
	XJSC06-G01	XJSC08-G04	XJSC12-G04
	XJSC06-G02	XJSC10-G01	
	XJSC06-G03	XJSC10-G02	
	XJSC06-G04	XJSC10-G03	
	XJSC08-G01	XJSC10-G04	

XPA



MODEL(Φ)	Tube(Metric)-Tube(Inch)	
	XPA 04	XPA 5/32
	XPA 06	XPA 3/16
	XPA 08	XPA 1/4
	XPA 10	XPA 5/16
	XPA 12	XPA 3/8
		XPA 1/2

XSS



MODEL(ΦD-T)	Tube(Metric)-Tube(Inch)	
	XSS04-01	XSS1/4-N01
	XSS04-02	XSS1/4-N02
	XSS06-01	XSS5/16-N01
	XSS06-02	XSS5/16-N02
	XSS08-01	XSS3/8-N02
	XSS08-02	XSS3/8-N03
	XSS10-02	XSS1/2-N02
	XSS10-03	XSS1/2-N03
	XSS12-03	

XSS-G



MODEL(ΦD-T)	Tube(Metric)-Thread(G)	
	XSS04-G01	
	XSS04-G02	
	XSS06-G01	
	XSS06-G02	
	XSS08-G01	
	XSS08-G02	
	XSS10-G02	
	XSS10-G03	
	XSS12-G02	
	XSS12-G03	

Mini Fittings

Feature

- Ideal for pneumatic connections specifically for small and compact equipments.
- Aesthetically pleasing nickel-plated metallic standardized feature for all applicable compact fittings.

Specification

Fluid Type	Air, Vacuum
Operating Pressure	0~10.2Kg/cm ² (0~1.0Mpa)
Negative Pressure	-750mm Hg(10Torr)
Operating Temperature Range	0~60°C
Tube Material	Nylon and Polyurethane

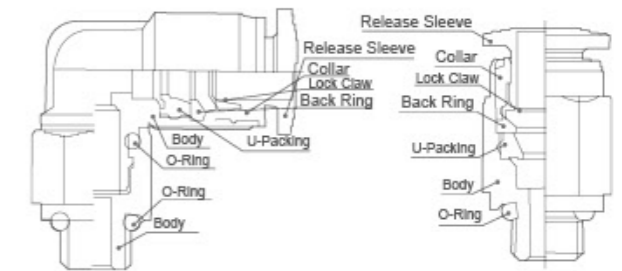
Ordering Code

XPC	08	02	C
(1)	(2)	(3)	(4)

(1) Model Type
(2) Tube Outer Diameter(ΦD)

Metric Tube			
Code	03	04	06
ΦD	3mm	4mm	6mm

Construction



(3) Thread Type & Size

Metric Size			
Code	M3	M5	M6
ΦD	M3×0.5	M5×0.8	M6×1

R(PT)Thread		
Code	01	G01
Size	R1/8"	G1/4"

(4) Compact Type

XPC-C



MODEL(ΦD-T)

Tube(Metric)	
XPC03-M3C	XPC04-01C
XPC03-M5C	XPC06-M5C
XPC03-M6C	XPC06-M6C
XPC04-M3C	XPC06-01C
XPC04-M5C	
XPC04-M6C	

XPB-C



MODEL(ΦD1-T)

Tube(Metric)	
XPB03-M3C	XPB04-01C
XPB03-M5C	XPB06-M5C
XPB03-M6C	XPB06-M6C
XPB04-M3C	XPB06-01C
XPB04-M5C	
XPB04-M6C	

XPCF-C



MODEL(ΦD-T)

Tube(Metric)	
XPCF03-M3C	XPCF04-01C
XPCF03-M5C	XPCF06-M5C
XPCF03-M6C	XPCF06-M6C
XPCF04-M3C	XPCF06-01C
XPCF04-M5C	
XPCF04-M6C	

XPD-C



MODEL(ΦD-T)

Tube(Metric)	
XPD03-M3C	XPD04-01C
XPD03-M5C	XPD06-M5C
XPD03-M6C	XPD06-M6C
XPD04-M3C	XPD06-01C
XPD04-M5C	
XPD04-M6C	

XPOC-C



MODEL(ΦD-T)

Tube(Metric)	
XPOC03-M3C	XPOC04-01C
XPOC03-M5C	XPOC06-M5C
XPOC03-M6C	XPOC06-M6C
XPOC04-M3C	XPOC06-01C
XPOC04-M5C	
XPOC04-M6C	

XPLL-C



MODEL(ΦD-T)

Tube(Metric)	
XPLL03-M3C	XPLL04-01C
XPLL03-M5C	XPLL06-M5C
XPLL03-M6C	XPLL06-M6C
XPLL04-M3C	XPLL06-01C
XPLL04-M5C	
XPLL04-M6C	

Mini Fittings

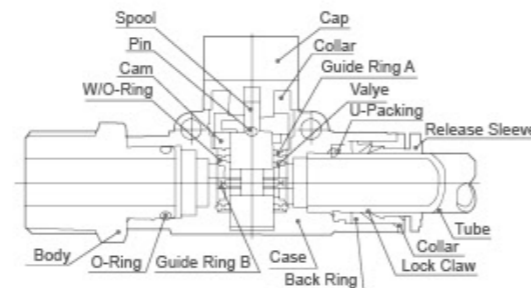
XPL-C 	MODEL(ΦD-T) Tube(Metric) XPL03-M3C XPL04-01C XPL03-M5C XPL06-M5C XPL03-M6C XPL06-M6C XPL04-M3C XPL06-01C XPL04-M5C XPL04-M6C	XPE-C 	MODEL(ΦD) Tube(Metric) PE 03C PE 04C PE 06C	XPU-C 	MODEL(ΦD) Tube(Metric) XPU03C XPU04C XPU06C
XPY-C 	MODEL(ΦD) Tube(Metric) XPY 03C XPY 04C XPY 06C	XPUL-C 	MODEL(ΦD) Tube(Metric) XPUL 03C XPUL 04C XPUL 06C	XPC-G-C 	MODEL(ΦD-T) Tube(Metric) PC 04-G01C PC 04-G01C
XPG-C 	MODEL(ΦD1-ΦD2) Tube(Metric) XPG 04-03C XPG 06-03C XPG 06-04C	XPL-G-C 	MODEL(ΦD-T) Tube(Metric) PL 04-G01C PL 04-G01C	XPW-C 	MODEL(ΦD1-ΦD2) Tube(Metric) XPW 04-03C XPW 06-03C XPW 06-04C

Hand Valve

Feature

- The source of pressure can completely shut off by simply turning the knob.
- Three-way directional control configuration releases the residual internal pressure on the output side when manually Closed.
- Idea for inspecting or repairing any devices without compromising the safety.
- Directionality of airflow may be selected from the tubing or threaded input side to the tubing or threaded output side.

Construction



Specification

Fluid Type	Air, Vacuum
Operating Pressure	0~10.2Kgf/cm ² (0~1.0Mpa)
Negative Pressure	-750mm Hg(1.0Torr)
Operating Temperature Range	0~60°C
Tube Material	Nylon and Polyurethane

Ordering Code

XHVFF	08	02
(1)	(2)	(3)

(1)Model Type
(2)Tube Outer Diameter(ΦD)

Metric Tube							
Code	04	06	08	10	12	14	16
ΦD	4mm	6mm	8mm	10mm	12mm	14mm	16mm

(3)Thread Type & Size



Metric Size



Metric Size			
Code	M5	M6	M8
ΦD	M5×0.8	M6×1	M8×1



Taper Pipe Thread


R(PT)Thread				G(PF)Thread				
Code	01	02	03	04	G01	G02	G03	G04
Size	R1/8"	R1/4"	R3/8"	R1/2"	G1/8"	G1/4"	G3/8"	G1/2"

Hand Valve/Ball Valve

XHVFF 	MODEL(ΦD1-ΦD2) Tube(Metric) XHVFF 06-06 XHVFF 08-06 XHVFF 08-08 XHVFF 10-08 XHVFF 10-10 XHVFF 12-10 XHVFF 12-12	XHVSS 	MODEL(T1-T2) Thread(R)-Thread(R) XHVSS 01-01 XHVSS 02-01 XHVSS 02-02 XHVSS 03-02 XHVSS 03-03 XHVSS 04-03 XHVSS 04-04
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XHVSF 	MODEL(ΦD-T) Tube(Metric)-Thread(R) XHVSF 06-01 XHVSF 10-03 XHVSF 06-02 XHVSF 10-04 XHVSF 06-03 XHVSF 12-02 XHVSF 08-01 XHVSF 12-03 XHVSF 08-02 XHVSF 12-04 XHVSF 08-03 XHVSF 10-02	XHVFS 	MODEL(ΦD-T) Tube(Metric)-Thread(R) XHVFS 06-01 XHVFS 10-02 XHVFS 06-02 XHVFS 10-03 XHVFS 06-03 XHVFS 10-04 XHVFS 08-01 XHVFS 12-02 XHVFS 08-02 XHVFS 12-03 XHVFS 08-03 XHVFS 12-04
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XHVFS-G 	MODEL(ΦD-T) Tube(Metric) Thread(G) XHVFS 06-G01 XHVFS 12-G02 XHVFS 06-G02 XHVFS 12-G03 XHVFS 06-G03 XHVFS 12-G04 XHVFS 08-G01 XHVFS 08-G02 XHVFS 08-G03 XHVFS 10-G02 XHVFS 10-G03 XHVFS 10-G04	XPLF-G 	MODEL(ΦD-T) Tube(Metric) Thread(G) XHVFS 06-G01 XHVFS 12-G02 XHVFS 06-G02 XHVFS 12-G03 XHVFS 06-G03 XHVFS 12-G04 XHVFS 08-G01 XHVFS 08-G02 XHVFS 08-G03 XHVFS 10-G02 XHVFS 10-G03 XHVFS 10-G04
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XHVSS-G 	MODEL(T1-T2) Tube(Metric)-Thread(G) XHVSS 01-G01(B) XHVSS 02-G01(B) XHVSS 02-G02(B) XHVSS 03-G02(B) XHVSS 03-G03(B) XHVSS 04-G03(B) XHVSS 04-G04(B)
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Stop Fittings


Feature

- Flow of air is completely stopped upon disconnecting the tube and reinstated upon reconnecting the tube.
- Dual-passage mechanism allows the pressure source to be originated from either side of the pneumatic connection.
- Ideal for pneumatic applications where tubing connections are frequently re-arranged.
- Suitable for experimenting, testing, demonstration, and educating various pneumatic applications.

Specification

Fluid Type	Air, Vacuum
Operating Pressure	0~10.2Kg/cm ² (0~1.0Mpa)
Negative Pressure	-750mm Hg(10Torr)
Operating Temperature Range	0~60℃
Tube Material	Nylon and Polyurethane

XSPC	MODEL(ΦD-T)		XSPU	MODEL(ΦD)	
	Tube(Metric)			Tube(Metric)	
	XSPC 04-01	XSPC 10-03		XSPU 04	
	XSPC 06-01	XSPC 10-04		XSPU 06	
	XSPC 06-02	XSPC 12-02		XSPU 08	
	XSPC 08-02	XSPC 12-03		XSPU 10	
	XSPC 08-03	XSPC 12-04		XSPU 12	
	XSPC 10-02				

XSPC-G	MODEL(ΦD-T)	
	Tube(Metric)	
	XSPC 04-G01	XSPC 10-G03
	XSPC 06-G01	XSPC 10-G04
	XSPC 06-G02	XSPC 12-G02
	XSPC 08-G02	XSPC 12-G03
	XSPC 08-G03	XSPC 12-G04



Check Valves



Feature

- Anti-directionality of airflow is maintained while the flow of air in the opposite direction is completely prevented.
- Constant input and output air pressure is achieved due to the controlled directionality of airflow.
- Suitable for the pneumatic applications under low operational pressure conditions.

Specification

Fluid Type	Air, Vacuum
Operating Pressure	0~10.2Kg/cm ² (0~1.0Mpa)
Negative Pressure	-750mm Hg(10Torr)
Operating Temperature Range	0~60℃
Tube Material	Nylon and Polyurethane

XCVPC	MODEL(ΦD-T)		XCVPU	MODEL(ΦD)	
	Tube(Metric)			Tube(Metric)	
	XCVPC 04-M5	XCVPC 08-02		XCVPU 04	
	XCVPC 04-M6	XCVPC 10-02		XCVPU 06	
	XCVPC 04-01	XCVPC 10-03		XCVPU 08	
	XCVPC 06-01	XCVPC 10-04		XCVPU 10	
	XCVPC 06-02	XCVPC 12-03		XCVPU 12	
	XCVPC 08-01	XCVPC 12-04			

XCVPF	MODEL(T1-T2)		XCVPC-G	MODEL(ΦD-T)	
	Tube(Metric)			Tube(Metric)	
	XCVPF 01-01			XCVPV 04-G01	XCVPV 10-G04
	XCVPF 02-02			XCVPV 06-G01	XCVPV 12-G03
	XCVPF 03-03			XCVPV 06-G02	XCVPV 12-G04
	XCVPF 04-04			XCVPV 08-G01	
				XCVPV 08-G02	
		XCVPV 10-G03			

Metal Push-In Fittings

XMPC



Male Stud

MODEL(ΦD-T)

Tube(Metric)-Thread(R)	Tube(Inch)-Thread(R)	Tube(Inch)-Thread(NPT)
XMPC03-M3 XMPC06-01 XMPC10-04	XMPC1/8-01 XMPC1/4-03 XMPC1/2-02	XMPC1/8-U10 XMPC3/16-N03 XMPC3/8-N01
XMPC03-M5 XMPC06-02 XMPC12-02	XMPC1/8-02 XMPC5/16-01 XMPC1/2-03	XMPC1/8-N01 XMPC1/4-U10 XMPC3/8-N02
XMPC04-M5 XMPC08-01 XMPC12-03	XMPC5/32-01 XMPC5/16-02 XMPC1/2-04	XMPC1/8-N02 XMPC1/4-N01 XMPC3/8-N03
XMPC04-01 XMPC08-02 XMPC12-04	XMPC5/32-02 XMPC5/16-03	XMPC5/32-U10 XMPC1/4-N02 XMPC3/8-N04
XMPC04-02 XMPC08-03 XMPC14-03	XMPC3/16-01 XMPC5/16-04	XMPC5/32-N01 XMPC1/4-N03 XMPC1/2-N02
XMPC05-M5 XMPC08-04 XMPC14-04	XMPC3/16-02 XMPC3/8-01	XMPC5/32-N02 XMPC5/16-N01 XMPC1/2-N03
XMPC05-01 XMPC10-01 XMPC16-03	XMPC3/16-03 XMPC3/8-02	XMPC3/16-U10 XMPC5/16-N02 XMPC1/2-N04
XMPC05-02 XMPC10-02 XMPC16-04	XMPC1/4-01 XMPC3/8-03	XMPC3/16-N01 XMPC5/16-N03
XMPC06-M5 XMPC10-03	XMPC1/4-02 XMPC3/8-04	XMPC3/16-N02 XMPC5/16-N04

XMPOC



Round Male Stud

MODEL(ΦD-T)

Tube(Metric)-Thread(R)	Tube(Inch)-Thread(R)	Tube(Inch)-Thread(NPT)
XMPOC03-M3 XMPOC06-01 XMPOC10-04	XMPOC1/8-01 XMPOC1/4-03 XMPOC1/2-02	XMPOC1/8-U10 XMPOC3/16-N03 XMPOC3/8-N01
XMPOC03-M5 XMPOC06-02 XMPOC12-02	XMPOC1/8-02 XMPOC5/16-01 XMPOC1/2-03	XMPOC1/8-N01 XMPOC1/4-U10 XMPOC3/8-N02
XMPOC04-M5 XMPOC08-01 XMPOC12-03	XMPOC5/32-01 XMPOC5/16-02 XMPOC1/2-04	XMPOC1/8-N02 XMPOC1/4-N01 XMPOC3/8-N03
XMPOC04-01 XMPOC08-02 XMPOC12-04	XMPOC5/32-02 XMPOC5/16-03	XMPOC5/32-U10 XMPOC1/4-N02 XMPOC3/8-N04
XMPOC04-02 XMPOC08-03 XMPOC14-03	XMPOC3/16-01 XMPOC5/16-04	XMPOC5/32-N01 XMPOC1/4-N03 XMPOC1/2-N02
XMPOC05-M5 XMPOC08-04 XMPOC14-04	XMPOC3/16-02 XMPOC3/8-01	XMPOC5/32-N02 XMPOC5/16-N01 XMPOC1/2-N03
XMPOC05-01 XMPOC10-01 XMPOC16-03	XMPOC3/16-03 XMPOC3/8-02	XMPOC3/16-U10 XMPOC5/16-N02 XMPOC1/2-N04
XMPOC05-02 XMPOC10-02 XMPOC16-04	XMPOC1/4-01 XMPOC3/8-03	XMPOC3/16-N01 XMPOC5/16-N03
XMPOC06-M5 XMPOC10-03	XMPOC1/4-02 XMPOC3/8-04	XMPOC3/16-N02 XMPOC5/16-N04

XMPCF



Female Stud

MODEL(ΦD-T)

Tube(Metric)-Thread(R)	Tube(Inch)-Thread(R)	Tube(Inch)-Thread(NPT)
XMPCF04-01 XMPCF08-04 XMPCF14-03	XMPCF1/8-01 XMPCF1/4-03 XMPCF1/2-02	XMPCF1/8-N01 XMPCF1/4-N03 XMPCF3/8-N04
XMPCF04-01 XMPCF10-01 XMPCF14-04	XMPCF1/8-02 XMPCF5/16-01 XMPCF1/2-03	XMPCF1/8-N02 XMPCF1/4-U10 XMPCF1/2-N02
XMPCF04-01 XMPCF10-02 XMPCF16-03	XMPCF5/32-01 XMPCF5/16-02 XMPCF1/2-04	XMPCF5/32-N01 XMPCF5/16-N02 XMPCF1/2-N03
XMPCF04-01 XMPCF10-03 XMPCF16-04	XMPCF5/32-02 XMPCF5/16-03	XMPCF5/32-N02 XMPCF5/16-N02 XMPCF1/2-N04
XMPCF04-01 XMPCF10-04	XMPCF3/16-01 XMPCF5/16-04	XMPCF3/16-N01 XMPCF5/16-N03
XMPCF04-01 XMPCF12-01	XMPCF3/16-02 XMPCF3/8-01	XMPCF3/16-N02 XMPCF5/16-N04
XMPCF04-01 XMPCF12-02	XMPCF3/16-03 XMPCF3/8-02	XMPCF3/16-N03 XMPCF3/8-N01
XMPCF04-01 XMPCF12-03	XMPCF1/4-01 XMPCF3/8-03	XMPCF1/4-N01 XMPCF3/8-N02
XMPCF04-01 XMPCF12-04	XMPCF1/4-02 XMPCF3/8-04	XMPCF1/4-N02 XMPCF3/8-N03

XMPL



Male Stud Swive Elbow

MODEL(ΦD-T)

Tube(Metric)-Thread(R)	Tube(Inch)-Thread(R)	Tube(Inch)-Thread(NPT)
XMPL03-M3 XMPL06-01 XMPL10-04	XMPL1/8-01 XMPL1/4-03 XMPL1/2-02	XMPL1/8-U10 XMPL3/16-N03 XMPL3/8-N01
XMPL03-M5 XMPL06-02 XMPL12-02	XMPL1/8-02 XMPL5/16-01 XMPL1/2-03	XMPL1/8-N01 XMPL1/4-U10 XMPL3/8-N02
XMPL04-M5 XMPL08-01 XMPL12-03	XMPL5/32-01 XMPL5/16-02 XMPL1/2-04	XMPL1/8-N02 XMPL1/4-N01 XMPL3/8-N03
XMPL04-01 XMPL08-02 XMPL12-04	XMPL5/32-02 XMPL5/16-03	XMPL5/32-U10 XMPL1/4-N02 XMPL3/8-N04
XMPL04-02 XMPL08-03 XMPL14-03	XMPL3/16-01 XMPL5/16-04	XMPL5/32-N01 XMPL1/4-N03 XMPL1/2-N02
XMPL05-M5 XMPL08-04 XMPL14-04	XMPL3/16-02 XMPL3/8-01	XMPL5/32-N02 XMPL5/16-N01 XMPL1/2-N03
XMPL05-01 XMPL10-01 XMPL16-03	XMPL3/16-03 XMPL3/8-02	XMPL3/16-U10 XMPL5/16-N02 XMPL1/2-N04
XMPL05-02 XMPL10-02 XMPL16-04	XMPL1/4-01 XMPL3/8-03	XMPL3/16-N01 XMPL5/16-N03
XMPL06-M5 XMPL10-03	XMPL1/4-02 XMPL3/8-04	XMPL3/16-N02 XMPL5/16-N04

XMPLN



Male Stud Elbow

MODEL(ΦD-T)

Tube(Metric)-Thread(R)	Tube(Inch)-Thread(R)	Tube(Inch)-Thread(NPT)
XMPLN03-M3 XMPLN06-01 XMPLN10-04	XMPLN1/8-01 XMPLN1/4-03 XMPLN1/2-02	XMPLN1/8-U10 XMPLN3/16-N03 XMPLN3/8-N01
XMPLN03-M5 XMPLN06-02 XMPLN12-02	XMPLN1/8-02 XMPLN5/16-01 XMPLN1/2-03	XMPLN1/8-N01 XMPLN1/4-U10 XMPLN3/8-N02
XMPLN04-M5 XMPLN08-01 XMPLN12-03	XMPLN5/32-01 XMPLN5/16-02 XMPLN1/2-04	XMPLN1/8-N02 XMPLN1/4-N01 XMPLN3/8-N03
XMPLN04-01 XMPLN08-02 XMPLN12-04	XMPLN5/32-02 XMPLN5/16-03	XMPLN5/32-U10 XMPLN1/4-N02 XMPLN3/8-N04
XMPLN04-02 XMPLN08-03 XMPLN14-03	XMPLN3/16-01 XMPLN5/16-04	XMPLN5/32-N01 XMPLN1/4-N03 XMPLN1/2-N02
XMPLN05-M5 XMPLN08-04 XMPLN14-04	XMPLN3/16-02 XMPLN3/8-01	XMPLN5/32-N02 XMPLN5/16-N01 XMPLN1/2-N03
XMPLN05-01 XMPLN10-01 XMPLN16-03	XMPLN3/16-03 XMPLN3/8-02	XMPLN3/16-U10 XMPLN5/16-N02 XMPLN1/2-N04
XMPLN05-02 XMPLN10-02 XMPLN16-04	XMPLN1/4-01 XMPLN3/8-03	XMPLN3/16-N01 XMPLN5/16-N03
XMPLN06-M5 XMPLN10-03	XMPLN1/4-02 XMPLN3/8-04	XMPLN3/16-N02 XMPLN5/16-N04

Metal Push-In Fittings

XMPLL



Extended Male Elbow

MODEL(ΦD-T)

Tube(Metric)-Thread(R)			Tube(Inch)-Thread(R)			Tube(Inch)-Thread(NPT)		
MPLL04-M5	XMPLL08-01	XMPLL12-02	XMPLL1/8-01	XMPLL1/4-03	XMPLL1/2-02	XMPLL1/8-U10	XMPLL3/16-N03	XMPLL3/8-N01
MPLL04-01	XMPLL08-02	XMPLL12-03	XMPLL1/8-02	XMPLL5/16-01	XMPLL1/2-03	XMPLL1/8-N01	XMPLL1/4-U10	XMPLL3/8-N02
MPLL04-02	XMPLL08-03	XMPLL12-04	XMPLL5/32-01	XMPLL5/16-02	XMPLL1/2-04	XMPLL1/8-N02	XMPLL1/4-N01	XMPLL3/8-N03
MPLL05-M5	XMPLL08-04	XMPLL14-03	XMPLL5/32-02	XMPLL5/16-03		XMPLL5/32-U10	XMPLL1/4-N02	XMPLL3/8-N04
MPLL05-01	XMPLL10-01	XMPLL14-04	XMPLL3/16-01	XMPLL5/16-04		XMPLL5/32-N01	XMPLL1/4-N03	XMPLL1/2-N02
MPLL05-02	XMPLL10-02	XMPLL16-03	XMPLL3/16-02	XMPLL3/8-01		XMPLL5/32-N02	XMPLL5/16-N01	XMPLL1/2-N03
MPLL06-M5	XMPLL10-03	XMPLL16-04	XMPLL3/16-03	XMPLL3/8-02		XMPLL3/16-U10	XMPLL5/16-N02	XMPLL1/2-N04
MPLL06-01	XMPLL10-04		XMPLL1/4-01	XMPLL3/8-03		XMPLL3/16-N01	XMPLL5/16-N03	
MPLL06-02	XMPLL12-01		XMPLL1/4-02	XMPLL3/8-04		XMPLL3/16-N02	XMPLL5/16-N04	

XMPLF



Female Stud Elbow

MODEL(ΦD-T)

Tube(Metric)-Thread(R)			Tube(Inch)-Thread(R)			Tube(Inch)-Thread(NPT)		
XMPLF04-01	XMPLF08-04	XMPLF14-03	XMPLF1/8-01	XMPLF1/4-03	XMPLF1/2-02	XMPLF1/8-N01	XMPLF1/4-N03	XMPLF3/8-N04
XMPLF04-02	XMPLF10-01	XMPLF14-04	XMPLF1/8-02	XMPLF5/16-01	XMPLF1/2-03	XMPLF1/8-N02	XMPLF1/4-U10	XMPLF1/2-N02
XMPLF05-01	XMPLF10-02	XMPLF16-03	XMPLF5/32-01	XMPLF5/16-02	XMPLF1/2-04	XMPLF5/32-N01	XMPLF5/16-N01	XMPLF1/2-N03
XMPLF05-02	XMPLF10-03	XMPLF16-04	XMPLF5/32-02	XMPLF5/16-03		XMPLF5/32-N02	XMPLF5/16-N02	XMPLF1/2-N04
XMPLF06-01	XMPLF10-04		XMPLF3/16-01	XMPLF5/16-04		XMPLF3/16-N01	XMPLF5/16-N03	
XMPLF06-02	XMPLF12-01		XMPLF3/16-02	XMPLF3/8-01		XMPLF3/16-N02	XMPLF5/16-N04	
XMPLF08-01	XMPLF12-02		XMPLF3/16-03	XMPLF3/8-02		XMPLF3/16-N03	XMPLF3/8-N01	
XMPLF08-02	XMPLF12-03		XMPLF1/4-01	XMPLF3/8-03		XMPLF1/4-N01	XMPLF3/8-N02	
XMPLF08-03	XMPLF12-04		XMPLF1/4-02	XMPLF3/8-04		XMPLF1/4-N02	XMPLF3/8-N03	

XMPT



Male Stud Branch Tee

MODEL(ΦD-T)

Tube(Metric)-Thread(R)			Tube(Inch)-Thread(R)			Tube(Inch)-Thread(NPT)		
XMPT04-M5	XMPT08-01	XMPT12-02	XMPT1/8-01	XMPT1/4-03	XMPT1/2-02	XMPT1/8-U10	XMPT3/16-N03	XMPT3/8-N01
XMPT04-01	XMPT08-02	XMPT12-03	XMPT1/8-02	XMPT5/16-01	XMPT1/2-03	XMPT1/8-N01	XMPT1/4-U10	XMPT3/8-N02
XMPT04-02	XMPT08-03	XMPT12-04	XMPT5/32-01	XMPT5/16-02	XMPT1/2-04	XMPT1/8-N02	XMPT1/4-N01	XMPT3/8-N03
XMPT05-M5	XMPT08-04	XMPT14-03	XMPT5/32-02	XMPT5/16-03		XMPT5/32-U10	XMPT1/4-N02	XMPT3/8-N04
XMPT05-01	XMPT10-01	XMPT14-04	XMPT3/16-01	XMPT5/16-04		XMPT5/32-N01	XMPT1/4-N03	XMPT1/2-N02
XMPT05-02	XMPT10-02	XMPT16-03	XMPT3/16-02	XMPT3/8-01		XMPT5/32-N02	XMPT5/16-N01	XMPT1/2-N03
XMPT06-M5	XMPT10-03	XMPT16-04	XMPT3/16-03	XMPT3/8-02		XMPT3/16-U10	XMPT5/16-N02	XMPT1/2-N04
XMPT06-01	XMPT10-04		XMPT1/4-01	XMPT3/8-03		XMPT3/16-N01	XMPT5/16-N03	
XMPT06-02	XMPT12-01		XMPT1/4-02	XMPT3/8-04		XMPT3/16-N02	XMPT5/16-N04	

XMPD



Male Run Tee

MODEL(ΦD-T)

Tube(Metric)-Thread(R)			Tube(Inch)-Thread(R)			Tube(Inch)-Thread(NPT)		
XMPD04-M5	XMPD08-01	XMPD12-02	XMPD1/8-01	XMPD1/4-03	XMPD1/2-02	XMPD1/8-U10	XMPD3/16-N03	XMPD3/8-N01
XMPD04-01	XMPD08-02	XMPD12-03	XMPD1/8-02	XMPD5/16-01	XMPD1/2-03	XMPD1/8-N01	XMPD1/4-U10	XMPD3/8-N02
XMPD04-02	XMPD08-03	XMPD12-04	XMPD5/32-01	XMPD5/16-02	XMPD1/2-04	XMPD1/8-N02	XMPD1/4-N01	XMPD3/8-N03
XMPD05-M5	XMPD08-04	XMPD14-03	XMPD5/32-02	XMPD5/16-03		MPD5/32-U10	XMPD1/4-N02	XMPD3/8-N04
XMPD05-01	XMPD10-01	XMPD14-04	MPD5/32-01	XMPD5/16-04		MPD5/32-N01	XMPD1/4-N03	XMPD1/2-N02
XMPD05-02	XMPD10-02	XMPD16-03	MPD5/32-02	XMPD5/16-04		MPD5/32-N02	XMPD5/16-N01	XMPD1/2-N03
XMPD06-M5	XMPD10-03	XMPD16-04	MPD3/16-01	XMPD3/8-01		MPD3/16-U10	XMPD5/16-N02	XMPD1/2-N04
XMPD06-01	XMPD10-04		MPD3/16-02	XMPD3/8-02		MPD3/16-N01	XMPD5/16-N03	
XMPD06-02	XMPD12-01		MPD3/16-03	XMPD3/8-03		MPD3/16-N02	XMPD5/16-N04	

XMPX



Male Y

MODEL(ΦD-T)

Tube(Metric)-Thread(R)			Tube(Inch)-Thread(R)			Tube(Inch)-Thread(NPT)		
XMPX04-M5	XMPX08-01	XMPX12-02	XMPX1/8-01	XMPX1/4-03	XMPX1/2-02	MPX1/8-U10	XMPX3/16-N03	XMPX3/8-N01
XMPX04-01	XMPX08-02	XMPX12-03	XMPX1/8-02	XMPX5/16-01	XMPX1/2-03	MPX1/8-N01	XMPX1/4-U10	XMPX3/8-N02
XMPX04-02	XMPX08-03	XMPX12-04	XMPX5/32-01	XMPX5/16-02	XMPX1/2-04	MPX1/8-N02	XMPX1/4-N01	XMPX3/8-N03
XMPX05-M5	XMPX08-04	XMPX14-03	XMPX5/32-02	XMPX5/16-03		XMPX5/32-U10	XMPX1/4-N02	XMPX3/8-N04
XMPX05-01	XMPX10-01	XMPX14-04	XMPX3/16-01	XMPX5/16-04		XMPX5/32-N01	XMPX1/4-N03	XMPX1/2-N02
XMPX05-02	XMPX10-02	XMPX16-03	XMPX3/16-02	XMPX3/8-01		XMPX5/32-N02	XMPX5/16-N01	XMPX1/2-N03
XMPX06-M5	XMPX10-03	XMPX16-04	XMPX3/16-03	XMPX3/8-02		XMPX3/16-U10	XMPX5/16-N02	XMPX1/2-N04
XMPX06-01	XMPX10-04		XMPX1/4-01	XMPX3/8-03		XMPX3/16-N01	XMPX5/16-N03	
XMPX06-02	XMPX12-01		XMPX1/4-02	XMPX3/8-04		XMPX3/16-N02	XMPX5/16-N04	

Metal Push-In Fittings

XMPMF



Bulkhead Straight

MODEL(ΦD-T)

Tube(Metric)-Thread(R)			Tube(Inch)-Thread(R)			Tube(Inch)-Thread(NPT)		
XMPMF04-01	XMPMF08-04	XMPMF14-03	XMPMF1/8-01	XMPMF1/4-03	XMPMF1/2-02	XMPMF1/8-N01	XMPMF1/4-N03	XMPMF3/8-N04
XMPMF04-02	XMPMF10-01	XMPMF14-04	XMPMF1/8-02	XMPMF5/16-01	XMPMF1/2-03	XMPMF1/8-N02	XMPMF1/4-U10	XMPMF1/2-N02
XMPMF05-01	XMPMF10-02	XMPMF16-03	XMPMF5/32-01	XMPMF5/16-02	XMPMF1/2-04	XMPMF5/32-N01	XMPMF5/16-N01	XMPMF1/2-N03
XMPMF05-02	XMPMF10-03	XMPMF16-04	XMPMF5/32-02	XMPMF5/16-03		XMPMF5/32-N02	XMPMF5/16-N02	XMPMF1/2-N04
XMPMF06-01	XMPMF10-04		XMPMF3/16-01	XMPMF5/16-04		XMPMF3/16-N01	XMPMF5/16-N03	
XMPMF06-02	XMPMF12-01		XMPMF3/16-02	XMPMF3/8-01		XMPMF3/16-N02	XMPMF5/16-N04	
XMPMF08-01	XMPMF12-02		XMPMF3/16-03	XMPMF3/8-02		XMPMF3/16-N03	XMPMF3/8-N01	
XMPMF08-02	XMPMF12-03		XMPMF1/4-01	XMPMF3/8-03		XMPMF1/4-N01	XMPMF3/8-N02	
XMPMF08-03	XMPMF12-04		XMPMF1/4-02	XMPMF3/8-04		XMPMF1/4-N02	XMPMF3/8-N03	

XMPCJ



Male Standpipe

MODEL(ΦD-T)

Tube(Metric)-Thread(R)			Tube(Inch)-Thread(R)			Tube(Inch)-Thread(NPT)		
XMPCJ04-M5	XMPCJ08-01	XMPCJ12-02	XMPCJ1/8-01	XMPCJ1/4-03	XMPCJ1/2-02	XMPCJ1/8-U10	XMPCJ3/16-N03	XMPCJ3/8-N01
XMPCJ04-01	XMPCJ08-02	XMPCJ12-03	XMPCJ1/8-02	XMPCJ5/16-01	XMPCJ1/2-03	XMPCJ1/8-N01	XMPCJ1/4-U10	XMPCJ3/8-N02
XMPCJ04-02	XMPCJ08-03	XMPCJ12-04	XMPCJ5/32-01	XMPCJ5/16-02	XMPCJ1/2-04	XMPCJ1/8-N02	XMPCJ1/4-N01	XMPCJ3/8-N03
XMPCJ05-M5	XMPCJ08-04	XMPCJ14-03	XMPCJ5/32-02	XMPCJ5/16-03		XMPCJ5/32-U10	XMPCJ1/4-N02	XMPCJ3/8-N04
XMPCJ05-01	XMPCJ10-01	XMPCJ14-04	XMPCJ3/16-01	XMPCJ5/16-04		XMPCJ5/32-N01	XMPCJ1/4-N03	XMPCJ1/2-N02
XMPCJ05-02	XMPCJ10-02	XMPCJ16-03	XMPCJ3/16-02	XMPCJ3/8-01		XMPCJ5/32-N02	XMPCJ5/16-N01	XMPCJ1/2-N03
XMPCJ06-M5	XMPCJ10-03	XMPCJ16-04	XMPCJ3/16-03	XMPCJ3/8-02		XMPCJ3/16-U10	XMPCJ5/16-N02	XMPCJ1/2-N04
XMPCJ06-01	XMPCJ10-04		XMPCJ1/4-01	XMPCJ3/8-03		XMPCJ3/16-N01	XMPCJ5/16-N03	
XMPCJ06-02	XMPCJ12-01		XMPCJ1/4-02	XMPCJ3/8-04		XMPCJ3/16-N02	XMPCJ5/16-N04	

XMPCFJ



Female Standpipe

MODEL(ΦD-T)

Tube(Metric)-Thread(R)			Tube(Inch)-Thread(R)			Tube(Inch)-Thread(NPT)		
XMPCFJ04-01	XMPCFJ08-04	XMPCFJ14-03	XMPCFJ1/8-01	XMPCFJ1/4-03	XMPCFJ1/2-02	XMPCFJ1/8-N01	XMPCFJ1/4-N03	XMPCFJ3/8-N04
XMPCFJ04-02	XMPCFJ10-01	XMPCFJ14-04	XMPCFJ1/8-02	XMPCF5/16-01	XMPCFJ1/2-03	XMPCFJ1/8-N02	XMPCFJ1/4-U10	XMPCFJ1/2-N02
XMPCFJ05-01	XMPCFJ10-02	XMPCFJ16-03	XMPCF5/32-01	XMPCF5/16-02	XMPCFJ1/2-04	XMPCF5/32-N01	XMPCF5/16-N01	XMPCFJ1/2-N03
XMPCFJ05-02	XMPCFJ10-03	XMPCFJ16-04	XMPCF5/32-02	XMPCF5/16-03		XMPCF5/32-N02	XMPCF5/16-N02	XMPCFJ1/2-N04
XMPCFJ06-01	XMPCFJ10-04		XMPCF3/16-01	XMPCF5/16-04		XMPCF3/16-N01	XMPCF5/16-N03	
XMPCFJ06-02	XMPCFJ12-01		XMPCF3/16-02	XMPCF3/8-01		XMPCF3/16-N02	XMPCF5/16-N04	
XMPCFJ08-01	XMPCFJ12-02		XMPCF3/16-03	XMPCF3/8-02		XMPCF3/16-N03	XMPCF3/8-N01	
XMPCFJ08-02	XMPCFJ12-03		XMPCF1/4-01	XMPCF3/8-03		XMPCF1/4-N01	XMPCF3/8-N02	
XMPCFJ08-03	XMPCFJ12-04		XMPCF1/4-02	XMPCF3/8-04		XMPCF1/4-N02	XMPCF3/8-N03	

XMPH



Single Male Banjo

MODEL(ΦD-T)

Tube(Metric)-Thread(R)			Tube(Inch)-Thread(R)			Tube(Inch)-Thread(NPT)		
XMPH04-M5	XMPH08-01	XMPH12-02	XMPH1/8-01	XMPH1/4-03	XMPH1/2-02	XMPH1/8-U10	XMPH3/16-N03	XMPH3/8-N01
XMPH04-01	XMPH08-02	XMPH12-03	XMPH1/8-02	XMPH5/16-01	XMPH1/2-03	XMPH1/8-N01	XMPH1/4-U10	XMPH3/8-N02
XMPH04-02	XMPH08-03	XMPH12-04	XMPH5/32-01	XMPH5/16-02	XMPH1/2-04	XMPH1/8-N02	XMPH1/4-N01	XMPH3/8-N03
XMPH05-M5	XMPH08-04	XMPH14-03	XMPH5/32-02	XMPH5/16-03		XMPH5/32-U10	XMPH1/4-N02	XMPH3/8-N04
XMPH05-01	XMPH10-01	XMPH14-04	XMPH3/16-01	XMPH5/16-04		XMPH5/32-N01	XMPH1/4-N03	XMPH1/2-N02
XMPH05-02	XMPH10-02	XMPH16-03	XMPH3/16-02	XMPH3/8-01		XMPH5/32-N02	XMPH5/16-N01	XMPH1/2-N03
XMPH06-M5	XMPH10-03	XMPH16-04	XMPH3/16-03	XMPH3/8-02		XMPH3/16-U10	XMPH5/16-N02	XMPH1/2-N04
XMPH06-01	XMPH10-04		XMPH1/4-01	XMPH3/8-03		XMPH3/16-N01	XMPH5/16-N03	
XMPH06-02	XMPH12-01		XMPH1/4-02	XMPH3/8-04		XMPH3/16-N02	XMPH5/16-N04	

XMDPH

Metal Push-In Fittings

XMTPH



Tripe Male Banjo

MODEL(ΦD-T)

Tube(Metric)-Thread(R)	Tube(Inch)-Thread(R)	Tube(Inch)-Thread(NPT)
XMTPH04-M5 XMTPH08-01 XMTPH12-02	XMTPH1/8-01 XMTPH1/4-03 XMTPH1/2-02	XMTPH1/8-U10 XMTPH3/16-N03 XMTPH3/8-N01
XMTPH04-01 XMTPH08-02 XMTPH12-03	XMTPH1/8-02 XMTPH5/16-01 XMTPH1/2-03	XMTPH1/8-N01 XMTPH1/4-U10 XMTPH3/8-N02
XMTPH04-02 XMTPH08-03 XMTPH12-04	XMTPH5/32-01 XMTPH5/16-02 XMTPH1/2-04	XMTPH1/8-N02 XMTPH1/4-N01 XMTPH3/8-N03
XMTPH05-M5 XMTPH08-04 XMTPH14-03	XMTPH5/32-02 XMTPH5/16-03	XMTPH5/32-U10 XMTPH1/4-N02 XMTPH3/8-N04
XMTPH05-01 XMTPH10-01 XMTPH14-04	XMTPH3/16-01 XMTPH5/16-04	XMTPH5/32-N01 XMTPH1/4-N03 XMTPH1/2-N02
XMTPH05-02 XMTPH10-02 XMTPH16-03	XMTPH3/16-02 XMTPH3/8-01	XMTPH5/32-N02 XMTPH5/16-N01 XMTPH1/2-N03
XMTPH06-M5 XMTPH10-03 XMTPH16-04	XMTPH3/16-03 XMTPH3/8-02	XMTPH3/16-U10 XMTPH5/16-N02 XMTPH1/2-N04
XMTPH06-01 XMTPH10-04	XMTPH1/4-01 XMTPH3/8-03	XMTPH3/16-N01 XMTPH5/16-N03
XMTPH06-02 XMTPH12-01	XMTPH1/4-02 XMTPH3/8-04	XMTPH3/16-N02 XMTPH5/16-N04

XMPHF



Female Banjo

MODEL(ΦD-T)

Tube(Metric)-Thread(R)	Tube(Inch)-Thread(R)	Tube(Inch)-Thread(NPT)
MPHF04-01 XMPHF08-04 XMPHF14-03	XMPHF1/8-01 XMPHF1/4-03 XMPHF1/2-02	XMPHF1/8-N01 XMPHF1/4-N03 XMPHF3/8-N04
XMPHF04-02 XMPHF10-01 XMPHF14-04	XMPHF1/8-02 XMPHF5/16-01 XMPHF1/2-03	XMPHF1/8-N02 XMPHF1/4-U10 XMPHF1/2-N02
XMPHF05-01 XMPHF10-02 XMPHF16-03	XMPHF5/32-01 XMPHF5/16-02 XMPHF1/2-04	XMPHF5/32-N01 XMPHF5/16-N01 XMPHF1/2-N03
XMPHF05-02 XMPHF10-03 XMPHF16-04	XMPHF5/32-02 XMPHF5/16-03	XMPHF5/32-N02 XMPHF5/16-N02 XMPHF1/2-N04
XMPHF06-01 XMPHF10-04	XMPHF3/16-01 XMPHF5/16-04	XMPHF3/16-N01 XMPHF5/16-N03
XMPHF06-02 XMPHF12-01	XMPHF3/16-02 XMPHF3/8-01	XMPHF3/16-N02 XMPHF5/16-N04
XMPHF08-01 XMPHF12-02	XMPHF3/16-03 XMPHF3/8-02	XMPHF3/16-N03 XMPHF3/8-N01
XMPHF08-02 XMPHF12-03	XMPHF1/4-01 XMPHF3/8-03	XMPHF1/4-N01 XMPHF3/8-N02
XMPHF08-03 XMPHF12-04	XMPHF1/4-02 XMPHF3/8-04	XMPHF1/4-N02 XMPHF3/8-N03

XMPK



Single Male double Banjo

MODEL(ΦD-T)

Tube(Metric)-Thread(R)	Tube(Inch)-Thread(R)	Tube(Inch)-Thread(NPT)
XMPK04-M5 XMPK08-01 XMPK12-02	XMPK1/8-01 XMPK1/4-03 XMPK1/2-02	XMPK1/8-U10 XMPK3/16-N03 XMPK3/8-N01
XMPK04-01 XMPK08-02 XMPK12-03	XMPK1/8-02 XMPK5/16-01 XMPK1/2-03	XMPK1/8-N01 XMPK1/4-U10 XMPK3/8-N02
XMPK04-02 XMPK08-03 XMPK12-04	XMPK5/32-01 XMPK5/16-02 XMPK1/2-04	XMPK1/8-N02 XMPK1/4-N01 XMPK3/8-N03
XMPK05-M5 XMPK08-04 XMPK14-03	XMPK5/32-02 XMPK5/16-03	XMPK5/32-U10 XMPK1/4-N02 XMPK3/8-N04
XMPK05-01 XMPK10-01 XMPK14-04	XMPK3/16-01 XMPK5/16-04	XMPK5/32-N01 XMPK1/4-N03 XMPK1/2-N02
XMPK05-02 XMPK10-02 XMPK16-03	XMPK3/16-02 XMPK3/8-01	XMPK5/32-N02 XMPK5/16-N01 XMPK1/2-N03
XMPK06-M5 XMPK10-03 XMPK16-04	XMPK3/16-03 XMPK3/8-02	XMPK3/16-U10 XMPK5/16-N02 XMPK1/2-N04
XMPK06-01 XMPK10-04	XMPK1/4-01 XMPK3/8-03	XMPK3/16-N01 XMPK5/16-N03
XMPK06-02 XMPK12-01	XMPK1/4-02 XMPK3/8-04	XMPK3/16-N02 XMPK5/16-N04

XMDPK



Double Male double Banjo

MODEL(ΦD-T)

Tube(Metric)-Thread(R)	Tube(Inch)-Thread(R)	Tube(Inch)-Thread(NPT)
XMDPK04-M5 XMDPK08-01 XMDPK12-02	XMDPK1/8-01 XMDPK1/4-03 XMDPK1/2-02	XMDPK1/8-U10 XMDPK3/8-N01
XMDPK04-01 XMDPK08-02 XMDPK12-03	XMDPK1/8-02 XMDPK5/16-01 XMDPK1/2-03	XMDPK1/8-N01 XMDPK3/8-N02
XMDPK04-02 XMDPK08-03 XMDPK12-04	XMDPK5/32-01 XMDPK5/16-02 XMDPK1/2-04	XMDPK1/8-N02 XMDPK3/8-N03
XMDPK05-M5 XMDPK08-04 XMDPK14-03	XMDPK5/32-02 XMDPK5/16-03	XMDPK5/32-U10 XMDPK3/8-N04
XMDPK05-01 XMDPK10-01 XMDPK14-04	XMDPK3/16-01 XMDPK5/16-04	XMDPK5/32-N01 XMDPK1/2-N02
XMDPK05-02 XMDPK10-02 XMDPK16-03	XMDPK3/16-02 XMDPK3/8-01	XMDPK5/32-N02 XMDPK5/16-N01 XMDPK1/2-N03
XMDPK06-M5 XMDPK10-03 XMDPK16-04	XMDPK3/16-03 XMDPK3/8-02	XMDPK3/16-U10 XMDPK5/16-N02 XMDPK1/2-N04
XMDPK06-01 XMDPK10-04	XMDPK1/4-01 XMDPK3/8-03	XMDPK3/16-N01 XMDPK5/16-N03
XMDPK06-02 XMDPK12-01	XMDPK1/4-02 XMDPK3/8-04	XMDPK3/16-N02

XMPX



Tripe Male double Banjo

MODEL(ΦD-T)

Tube(Metric)-Thread(R)	Tube(Inch)-Thread(R)	Tube(Inch)-Thread(NPT)
XMPX04-M5 XMPX08-01 XMPX12-02	XMPX1/8-01 XMPX1/4-03 XMPX1/2-02	XMPX1/8-U10 XMPX3/16-N03 XMPX3/8-N01
XMPX04-01 XMPX08-02 XMPX12-03	XMPX1/8-02 XMPX5/16-01 XMPX1/2-03	XMPX1/8-N01 XMPX1/4-U10 XMPX3/8-N02
XMPX04-02 XMPX08-03 XMPX12-04	XMPX5/32-01 XMPX5/16-02 XMPX1/2-04	XMPX1/8-N02 XMPX1/4-N01 XMPX3/8-N03
XMPX05-M5 XMPX08-04 XMPX14-03	XMPX5/32-02 XMPX5/16-03	XMPX5/32-U10 XMPX1/4-N02 XMPX3/8-N04
XMPX05-01 XMPX10-01 XMPX14-04	XMPX3/16-01 XMPX5/16-04	XMPX5/32-N01 XMPX1/4-N03 XMPX1/2-N02
XMPX05-02 XMPX10-02 XMPX16-03	XMPX3/16-02 XMPX3/8-01	XMPX5/32-N02 XMPX5/16-N01 XMPX1/2-N03
XMPX06-M5 XMPX10-03 XMPX16-04	XMPX3/16-03 XMPX3/8-02	XMPX3/16-U10 XMPX5/16-N02 XMPX1/2-N04
XMPX06-01 XMPX10-04	XMPX1/4-01 XMPX3/8-03	XMPX3/16-N01 XMPX5/16-N03
XMPX06-02 XMPX12-01	XMPX1/4-02 XMPX3/8-04	XMPX3/16-N02 XMPX5/16-N04

Metal Push-In Fittings

XMPUC



Union Straight

MODEL(ΦD)

Tube(Metric)	Tube(Inch)
XMPUC 03	XMPUC 1/8
XMPUC 04	XMPUC 5/32
XMPUC 05	XMPUC 3/16
XMPUC 06	XMPUC 1/4
XMPUC 08	XMPUC 5/16
XMPUC 10	XMPUC 3/8
XMPUC 12	XMPUC 1/2
XMPUC 14	
XMPUC 16	

XMPUL



Union Elbow

MODEL(ΦD)

Tube(Metric)	Tube(Inch)
XMPUL 03	XMPUL 1/8
XMPUL 04	XMPUL 5/32
XMPUL 05	XMPUL 3/16
XMPUL 06	XMPUL 1/4
XMPUL 08	XMPUL 5/16
XMPUL 10	XMPUL 3/8
XMPUL 12	XMPUL 1/2
XMPUL 14	
XMPUL 16	

XMPUT



Union Tee

MODEL(ΦD)

Tube(Metric)	Tube(Inch)
XMPUT 03	XMPUT 1/8
XMPUT 04	XMPUT 5/32
XMPUT 05	XMPUT 3/16
XMPUT 06	XMPUT 1/4
XMPUT 08	XMPUT 5/16
XMPUT 10	XMPUT 3/8
XMPUT 12	XMPUT 1/2
XMPUT 14	
XMPUT 16	

XMPY



Union Y

MODEL(ΦD)

Tube(Metric)	Tube(Inch)
XMPY 03	XMPY 1/8
XMPY 04	XMPY 5/32
XMPY 05	XMPY 3/16
XMPY 06	XMPY 1/4
XMPY 08	XMPY 5/16
XMPY 10	XMPY 3/8
XMPY 12	XMPY 1/2
XMPY 14	
XMPY 16	

XMPM



Bulkhead Union

MODEL(ΦD)

Tube(Metric)	Tube(Inch)
XMPM 03	XMPM 1/8
XMPM 04	XMPM 5/32
XMPM 05	XMPM 3/16
XMPM 06	XMPM 1/4
XMPM 08	XMPM 5/16
XMPM 10	XMPM 3/8
XMPM 12	XMPM 1/2
XMPM 14	
XMPM 16	

XMPZA



Union Cross

MODEL(ΦD)

Tube(Metric)	Tube(Inch)
XMPZA 03	XMPZA 1/8
XMPZA 04	XMPZA 5/32
XMPZA 05	XMPZA 3/16
XMPZA 06	XMPZA 1/4
XMPZA 08	XMPZA 5/16
XMPZA 10	XMPZA 3/8
XMPZA 12	XMPZA 1/2
XMPZA 14	
XMPZA 16	

XMPPF



Cap

MODEL(ΦD)

Tube(Metric)	Tube(Inch)
XMPPF 03	XMPPF 1/8
XMPPF 04	XMPPF 5/32
XMPPF 05	XMPPF 3/16
XMPPF 06	XMPPF 1/4
XMPPF 08	XMPPF 5/16
XMPPF 10	XMPPF 3/8
XMPPF 12	XMPPF 1/2
XMPPF 14	
XMPPF 16	

XMPPL



Plug

MODEL(ΦD)

Tube(Metric)	Tube(Inch)
XMPPL 03	XMPPL 1/8
XMPPL 04	XMPPL 5/32
XMPPL 05	XMPPL 3/16
XMPPL 06	XMPPL 1/4
XMPPL 08	XMPPL 5/16
XMPPL 10	XMPPL 3/8
XMPPL 12	XMPPL 1/2
XMPPL 14	
XMPPL 16	

XMPG



Union Reducer

MODEL(ΦD1-ΦD2)

Tube(Metric)	Tube(Inch)
XMPG 06-04	XMPG 1/4-5/32
XMPG 08-04	XMPG 1/4-1/8
XMPG 08-06	XMPG 3/16-5/32
XMPG 10-06	XMPG 5/16-1/4
XMPG 10-08	XMPG 3/8-1/4
XMPG 12-08	XMPG 3/8-5/16
XMPG 12-10	XMPG 1/2-3/8
XMPG 14-10	
XMPG 14-12	
XMPG 16-12	

XMPTG





Union Tee Reducer



MODEL(ΦD1-ΦD2)



Tube(Metric)	Tube(Inch)
XMPTG 06-04	XMPTG 1/4-5/32
XMPTG 08-04	XMPTG 1/4-1/8
XMPTG 08-06	XMPTG 3/16-5/32
XMPTG 10-06	XMPTG 5/16-1/4
XMPTG 10-08	XMPTG 3/8-1/4
XMPTG 12-08	XMPTG 3/8-5/16
XMPTG 12-10	XMPTG 1/2-3/8
XMPTG 14-10	
XMPTG 14-12	
XMPTG 16-12	



Metal Push-In Fittings

XMPGJ 	MODEL(ΦD1-ΦD2)		XMPLJ 	MODEL(ΦD)	
	Tube(Metric)	Tube(Inch)		Tube(Metric)	Tube(Inch)
ΦD1 Plug-In Reducer	XMPGJ 06-04	XMPGJ 1/4-5/32	ΦD Plug-In Elbow	XMPLJ 04	XMPLJ 1/8
	XMPGJ 08-04	XMPGJ 5/16-5/32		XMPLJ 05	XMPLJ 5/32
	XMPGJ 08-06	XMPGJ 5/16-1/4		XMPLJ 06	XMPLJ 3/16
	XMPGJ 10-06	XMPGJ 3/8-1/4		XMPLJ 08	XMPLJ 1/4
	XMPGJ 10-08	XMPGJ 3/8-5/16		XMPLJ 10	XMPLJ 5/16
	XMPGJ 12-06	XMPGJ 1/2-1/4		XMPLJ 12	XMPLJ 3/8
	XMPGJ 12-08			XMPLJ 14	XMPLJ 1/2
	XMPGJ 12-10			XMPLJ 16	


XMPLGJ 	MODEL(ΦD1-ΦD2)		XMPTJ 	MODEL(ΦD)	
	Tube(Metric)	Tube(Inch)		Tube(Metric)	Tube(Inch)
ΦD1 Plug-In Reducer Elbow	XMPLGJ 06-04	XMPLGJ 1/4-5/32	ΦD Plug-In Tee	XMPTJ 04	XMPTJ 1/8
	XMPLGJ 08-04	XMPLGJ 5/16-5/32		XMPTJ 05	XMPTJ 5/32
	XMPLGJ 08-06	XMPLGJ 5/16-1/4		XMPTJ 06	XMPTJ 3/16
	XMPLGJ 10-06	XMPLGJ 3/8-1/4		XMPTJ 08	XMPTJ 1/4
	XMPLGJ 10-08	XMPLGJ 3/8-5/16		XMPTJ 10	XMPTJ 5/16
	XMPLGJ 12-06	XMPLGJ 1/2-1/4		XMPTJ 12	XMPTJ 3/8
	XMPLGJ 12-08			XMPTJ 14	XMPTJ 1/2
	XMPLGJ 12-10			XMPTJ 16	

XMPTGJ 	MODEL(ΦD1-ΦD2)		XMPDJ 	MODEL(ΦD)	
	Tube(Metric)	Tube(Inch)		Tube(Metric)	Tube(Inch)
ΦD1 Plug-in Reducer Tee	XMPTGJ 06-04	XMPTGJ 1/4-5/32	ΦD Plug-in Reducer Tee	XMPDJ 04	XMPDJ 1/8
	XMPTGJ 08-04	XMPTGJ 5/16-5/32		XMPDJ 05	XMPDJ 5/32
	XMPTGJ 08-06	XMPTGJ 5/16-1/4		XMPDJ 06	XMPDJ 3/16
	XMPTGJ 10-06	XMPTGJ 3/8-1/4		XMPDJ 08	XMPDJ 1/4
	XMPTGJ 10-08	XMPTGJ 3/8-5/16		XMPDJ 10	XMPDJ 5/16
	XMPTGJ 12-06	XMPTGJ 1/2-1/4		XMPDJ 12	XMPDJ 3/8
	XMPTGJ 12-08			XMPDJ 14	XMPDJ 1/2
	XMPTGJ 12-10			XMPDJ 16	



XMPDGJ 	MODEL(ΦD1-ΦD2)		XMPXJ 	MODEL(ΦD)	
	Tube(Metric)	Tube(Inch)		Tube(Metric)	Tube(Inch)
ΦD1 Plug-In Reducer Run Tee	XMPDGJ 06-04	XMPDGJ 1/4-5/32	ΦD Plug-In Y	XMPXJ 04	XMPXJ 1/8
	XMPDGJ 08-04	XMPDGJ 5/16-5/32		XMPXJ 05	XMPXJ 5/32
	XMPDGJ 08-06	XMPDGJ 5/16-1/4		XMPXJ 06	XMPXJ 3/16
	XMPDGJ 10-06	XMPDGJ 3/8-1/4		XMPXJ 08	XMPXJ 1/4
	XMPDGJ 10-08	XMPDGJ 3/8-5/16		XMPXJ 10	XMPXJ 5/16
	XMPDGJ 12-06	XMPDGJ 1/2-1/4		XMPXJ 12	XMPXJ 3/8
	XMPDGJ 12-08			XMPXJ 14	XMPXJ 1/2
	XMPDGJ 12-10			XMPXJ 16	



XMPXGJ 	MODEL(ΦD1-ΦD2)		XMBJ 	MODEL(ΦD1-ΦD2)	
	Tube(Metric)	Tube(Inch)		Tube(Metric)	Tube(Inch)
ΦD1 Plug-In Reducer Y	XMPXGJ 06-04	XMPXGJ 1/4-5/32	ΦD1 Plug-In Barb	XMBJ 07-04	XMBJ 7-5/32
	XMPXGJ 08-04	XMPXGJ 5/16-5/32		XMBJ 08-04	XMBJ 8-5/32
	XMPXGJ 08-06	XMPXGJ 5/16-1/4		XMBJ 08-06	XMBJ 8-1/4
	XMPXGJ 10-06	XMPXGJ 3/8-1/4		XMBJ 10-06	XMBJ 10-1/4
	XMPXGJ 10-08	XMPXGJ 3/8-5/16		XMBJ 10-08	XMBJ 10-5/16
	XMPXGJ 12-06	XMPXGJ 1/2-1/4		XMBJ 12-06	XMBJ 12-1/4
	XMPXGJ 12-08			XMBJ 12-08	XMBJ 12-5/16
	XMPXGJ 12-10			XMBJ 12-10	XMBJ 12-3/8



Metal Push-In Fittings

XMJ 	MODEL(ΦD)	
	Tube(Metric)	Tube(Inch)
ΦD Plug-In	XMJ 03	XMJ 1/8
	XMJ 04	XMJ 5/32
	XMJ 05	XMJ 3/16
	XMJ 06	XMJ 1/4
	XMJ 08	XMJ 5/16
	XMJ 10	XMJ 3/8
	XMJ 12	XMJ 1/2
	XMJ 14	
	XMJ 16	

Metal Push-In Fittings With G Thread (O-Ring)

XMPC-G 	MODEL(ΦD-T)		XMPOC-G 	MODEL(ΦD-T)	
	Tube(Metric)-Thread(G)	Tube(Metric)-Thread(G)		Tube(Metric)-Thread(G)	Tube(Metric)-Thread(G)
ΦD Male Stud	XMPC03-G01	XMPC10-G02	T Round Male Stud	XMPOC03-G01	XMPOC10-G02
	XMPC04-G01	XMPC10-G03		XMPOC04-G01	XMPOC10-G03
	XMPC04-G02	XMPC10-G04		XMPOC04-G02	XMPOC10-G04
	XMPC05-G01	XMPC12-G01		XMPOC05-G01	XMPOC12-G01
	XMPC05-G02	XMPC12-G02		XMPOC05-G02	XMPOC12-G02
	XMPC06-G01	XMPC12-G03		XMPOC06-G01	XMPOC12-G03
	XMPC06-G02	XMPC12-G04		XMPOC06-G02	XMPOC12-G04
	XMPC08-G01	XMPC14-G03		XMPOC08-G01	XMPOC14-G03
	XMPC08-G02	XMPC14-G04		XMPOC08-G02	XMPOC14-G04
	XMPC08-G03	XMPC16-G03		XMPOC08-G03	XMPOC16-G03
XMPC08-G04	XMPC16-G04	XMPOC08-G04	XMPOC16-G04		
XMPC10-G01		XMPOC10-G01			

XMPL-G 	MODEL(ΦD-T)		XMPLL-G 	MODEL(ΦD-T)	
	Tube(Metric)-Thread(G)	Tube(Metric)-Thread(G)		Tube(Metric)-Thread(G)	Tube(Metric)-Thread(G)
T Male Stud Elbow	XMPL03-G01	XMPL10-G02	T Extended Male Elbow	XMPLL04-G01	XMPLL10-G02
	XMPL04-G01	XMPL10-G03		XMPLL04-G02	XMPLL10-G03
	XMPL04-G02	XMPL10-G04		XMPLL05-G01	XMPLL10-G04
	XMPL05-G01	XMPL12-G01		XMPLL05-G02	XMPLL12-G01
	XMPL05-G02	XMPL12-G02		XMPLL06-G01	XMPLL12-G02
	XMPL06-G01	XMPL12-G03		XMPLL06-G02	XMPLL12-G03
	XMPL06-G02	XMPL12-G04		XMPLL08-G01	XMPLL12-G04
	XMPL08-G01	XMPL14-G03		XMPLL08-G02	XMPLL14-G03
	XMPL08-G02	XMPL14-G04		XMPLL08-G03	XMPLL14-G04
	XMPL08-G03	XMPL16-G03		XMPLL08-G04	XMPLL16-G03
XMPL08-G04	XMPL16-G04	XMPLL10-G01	XMPLL16-G04		
XMPL10-G01					

XMPT-G 	MODEL(ΦD-T)		XMPD-G 	MODEL(ΦD-T)	
	Tube(Metric)-Thread(G)	Tube(Metric)-Thread(G)		Tube(Metric)-Thread(G)	Tube(Metric)-Thread(G)
T Male Stud Branch Tee	XMPT04-G01	XMPT10-G02	T Male Run Tee	XMPD04-G01	XMPD10-G02
	XMPT04-G02	XMPT10-G03		XMPD04-G02	XMPD10-G03
	XMPT05-G01	XMPT10-G04		XMPD05-G01	XMPD10-G04
	XMPT05-G02	XMPT12-G01		XMPD05-G02	XMPD12-G01
	XMPT06-G01	XMPT12-G02		XMPD06-G01	XMPD12-G02
	XMPT06-G02	XMPT12-G03		XMPD06-G02	XMPD12-G03
	XMPT08-G01	XMPT12-G04		XMPD08-G01	XMPD12-G04
	XMPT08-G02	XMPT14-G03		XMPD08-G02	XMPD14-G03
	XMPT08-G03	XMPT14-G04		XMPD08-G03	XMPD14-G04
	XMPT08-G04	XMPT16-G03		XMPD08-G04	XMPD16-G03
XMPT10-G01	XMPT16-G04	XMPD10-G01	XMPD16-G04		

Matel Push-In Fittings With G Thread(O-Ring)

XMPX-G



Male Y

MODEL(ΦD-T)

Tube(Metric)-Thread(G)	
XMPX04-G01	XMPX10-G03
XMPX04-G02	XMPX10-G04
XMPX05-G01	XMPX12-G01
XMPX05-G02	XMPX12-G02
XMPX06-G01	XMPX12-G03
XMPX06-G02	XMPX12-G04
XMPX08-G01	XMPX14-G03
XMPX08-G02	XMPX14-G04
XMPX08-G03	XMPX16-G03
XMPX08-G04	XMPX16-G04
XMPX10-G01	
XMPX10-G02	

XMPCJ-G



Male Sandpipe

MODEL(ΦD-T)

Tube(Metric)-Thread(G)	
XMPCJ04-G01	XMPCJ10-G03
XMPCJ04-G02	XMPCJ10-G04
XMPCJ05-G01	XMPCJ12-G01
XMPCJ05-G02	XMPCJ12-G02
XMPCJ06-G01	XMPCJ12-G03
XMPCJ06-G02	XMPCJ12-G04
XMPCJ08-G01	XMPCJ14-G03
XMPCJ08-G02	XMPCJ14-G04
XMPCJ08-G03	XMPCJ16-G03
XMPCJ08-G04	XMPCJ16-G04
XMPCJ10-G01	
XMPCJ10-G02	

XMPH-G



Single Male Banjo

MODEL(ΦD-T)

Tube(Metric)-Thread(G)	
XMPH04-G01	XMPH10-G03
XMPH04-G02	XMPH10-G04
XMPH05-G01	XMPH12-G01
XMPH05-G02	XMPH12-G02
XMPH06-G01	XMPH12-G03
XMPH06-G02	XMPH12-G04
XMPH08-G01	XMPH14-G03
XMPH08-G02	XMPH14-G04
XMPH08-G03	XMPH16-G03
XMPH08-G04	XMPH16-G04
XMPH10-G01	
XMPH10-G02	

XMDPH-G



Double Male Banjo

MODEL(ΦD-T)

Tube(Metric)-Thread(G)	
XMDPH04-G01	XMDPH10-G03
XMDPH04-G02	XMDPH10-G04
XMDPH05-G01	XMDPH12-G01
XMDPH05-G02	XMDPH12-G02
XMDPH06-G01	XMDPH12-G03
XMDPH06-G02	XMDPH12-G04
XMDPH08-G01	XMDPH14-G03
XMDPH08-G02	XMDPH14-G04
XMDPH08-G03	XMDPH16-G03
XMDPH08-G04	XMDPH16-G04
XMDPH10-G01	
XMDPH10-G02	

XMTPH-G



Tripe Male Banjo

MODEL(ΦD-T)

Tube(Metric)-Thread(G)	
XMTPH04-G01	XMTPH10-G03
XMTPH04-G02	XMTPH10-G04
XMTPH05-G01	XMTPH12-G01
XMTPH05-G02	XMTPH12-G02
XMTPH06-G01	XMTPH12-G03
XMTPH06-G02	XMTPH12-G04
XMTPH08-G01	XMTPH14-G03
XMTPH08-G02	XMTPH14-G04
XMTPH08-G03	XMTPH16-G03
XMTPH08-G04	XMTPH16-G04
XMTPH10-G01	
XMTPH10-G02	

XPHF-G



Male Run Tee

MODEL(ΦD-T)

Tube(Metric)-Thread(G)	
XPHF04-G01	XPHF10-G03
XPHF04-G02	XPHF10-G04
XPHF05-G01	XPHF12-G01
XPHF05-G02	XPHF12-G02
XPHF06-G01	XPHF12-G03
XPHF06-G02	XPHF12-G04
XPHF08-G01	XPHF14-G03
XPHF08-G02	XPHF14-G04
XPHF08-G03	XPHF16-G03
XPHF08-G04	XPHF16-G04
XPHF10-G01	
XPHF10-G02	

XMPK-G



Single Male double Banjo

MODEL(ΦD-T)

Tube(Metric)-Thread(G)	
XMPK04-G01	XMPK10-G02
XMPK04-G02	XMPK10-G03
XMPK05-G01	XMPK10-G04
XMPK05-G02	XMPK12-G01
XMPK06-G01	XMPK12-G02
XMPK06-G02	XMPK12-G03
XMPK08-G01	XMPK12-G04
XMPK08-G02	XMPK14-G03
XMPK08-G03	XMPK14-G04
XMPK08-G04	XMPK16-G03
XMPK10-G01	XMPK16-G04

XMDPK-G



Double Male double Banjo

MODEL(ΦD-T)

Tube(Metric)-Thread(G)	
XMDPK04-G01	XMDPK10-G02
XMDPK04-G02	XMDPK10-G03
XMDPK05-G01	XMDPK10-G04
XMDPK05-G02	XMDPK12-G01
XMDPK06-G01	XMDPK12-G02
XMDPK06-G02	XMDPK12-G03
XMDPK08-G01	XMDPK12-G04
XMDPK08-G02	XMDPK14-G03
XMDPK08-G03	XMDPK14-G04
XMDPK08-G04	XMDPK16-G03
XMDPK10-G01	XMDPK16-G04

Matel Push-In Fittings With G Thread(O-Ring)

XMTPK-G



Tripe Male double Banjo

MODEL(ΦD-T)

Tube(Metric)-Thread(G)		
XMTPK04-G01	XMTPK08-G03	XMTPK12-G03
XMTPK04-G02	XMTPK08-G04	XMTPK12-G04
XMTPK05-G01	XMTPK10-G01	XMTPK14-G03
XMTPK05-G02	XMTPK10-G02	XMTPK14-G04
XMTPK06-G01	XMTPK10-G03	XMTPK16-G03
XMTPK06-G02	XMTPK10-G04	XMTPK16-G04
XMTPK08-G01	XMTPK12-G01	
XMTPK08-G02	XMTPK12-G02	

Stainless Steel Push-In Fittings

XMPCS



Male Stud

MODEL(ΦD-T)

Tube(Metric)-Thread(R)	Tube(Inch)-Thread(R)	Tube(Inch)-Thread(NPT)
XMPCS04-M5	XMPCS08-01	XMPCS10-03
XMPCS04-G01	XMPCS08-G03	XMPCS12-G02
XMPCS04-01	XMPCS08-02	XMPCS10-04
XMPCS04-G02	XMPCS08-G04	XMPCS12-G03
XMPCS04-02	XMPCS08-03	XMPCS12-02
XMPCS06-M5	XMPCS08-04	XMPCS12-03
XMPCS06-G01	XMPCS10-G01	XMPCS12-G04
XMPCS06-01	XMPCS10-01	XMPCS12-04
XMPCS06-G02	XMPCS10-G02	
XMPCS08-01	XMPCS12-04	XMPCS08-G01
XMPCS08-02	XMPCS10-02	XMPCS08-G02
XMPCS10-03	XMPCS08-G03	XMPCS10-G03
XMPCS10-04	XMPCS08-G04	XMPCS10-G04
XMPCS12-02	XMPCS12-G02	XMPCS12-G02
XMPCS12-03	XMPCS12-G03	XMPCS12-G03
XMPCS12-04	XMPCS12-G04	XMPCS12-G04
XMPCS14-U10	XMPCS14-N01	XMPCS3/8-N02
XMPCS14-N01	XMPCS14-N02	XMPCS3/8-N03
XMPCS14-N02	XMPCS14-N03	XMPCS3/8-N04
XMPCS16-N01	XMPCS16-N02	XMPCS1/2-N02
XMPCS16-N02	XMPCS16-N03	XMPCS1/2-N03
XMPCS16-N03	XMPCS16-N04	XMPCS1/2-N04
XMPCS18-U10	XMPCS18-N01	XMPCS3/8-N02
XMPCS18-N01	XMPCS18-N02	XMPCS3/8-N03
XMPCS18-N02	XMPCS18-N03	XMPCS3/8-N04
XMPCS20-U10	XMPCS20-N01	XMPCS1/2-N02
XMPCS20-N01	XMPCS20-N02	XMPCS1/2-N03
XMPCS20-N02	XMPCS20-N03	XMPCS1/2-N04
XMPCS24-U10	XMPCS24-N01	XMPCS1/2-N02
XMPCS24-N01	XMPCS24-N02	XMPCS1/2-N03
XMPCS24-N02	XMPCS24-N03	XMPCS1/2-N04

XMPLS



Male Stud Swivel Elbow

MODEL(ΦD-T)

Tube(Metric)-Thread(R)	Tube(Inch)-Thread(R)	Tube(Inch)-Thread(NPT)
XMPLS04-M5	XMPLS08-01	XMPLS10-03
XMPLS04-G01	XMPLS08-G03	XMPLS12-G02
XMPLS04-01	XMPLS08-02	XMPLS10-04
XMPLS04-G02	XMPLS08-G04	XMPLS12-G03
XMPLS04-02	XMPLS08-03	XMPLS12-02
XMPLS06-M5	XMPLS08-04	XMPLS12-03
XMPLS06-G01	XMPLS10-G01	XMPLS12-G04
XMPLS06-01	XMPLS10-01	XMPLS12-04
XMPLS06-G02	XMPLS10-G02	
XMPLS08-01	XMPLS12-04	XMPLS08-G01
XMPLS08-02	XMPLS10-02	XMPLS08-G02
XMPLS10-03	XMPLS08-G03	XMPLS10-G03
XMPLS10-04	XMPLS08-G04	XMPLS10-G04
XMPLS12-02	XMPLS12-G02	XMPLS12-G02
XMPLS12-03	XMPLS12-G03	XMPLS12-G03
XMPLS12-04	XMPLS12-G04	XMPLS12-G04
XMPLS14-U10	XMPLS14-N01	XMPLS3/8-N02
XMPLS14-N01	XMPLS14-N02	XMPLS3/8-N03
XMPLS14-N02	XMPLS14-N03	XMPLS3/8-N04
XMPLS16-N01	XMPLS16-N02	XMPLS1/2-N02
XMPLS16-N02	XMPLS16-N03	XMPLS1/2-N03
XMPLS16-N03	XMPLS16-N04	XMPLS1/2-N04
XMPLS18-U10	XMPLS18-N01	XMPLS3/8-N02
XMPLS18-N01	XMPLS18-N02	XMPLS3/8-N03
XMPLS18-N02	XMPLS18-N03	XMPLS3/8-N04
XMPLS20-U10	XMPLS20-N01	XMPLS1/2-N02
XMPLS20-N01	XMPLS20-N02	XMPLS1/2-N03
XMPLS20-N02	XMPLS20-N03	XMPLS1/2-N04
XMPLS24-U10	XMPLS24-N01	XMPLS1/2-N02
XMPLS24-N01	XMPLS24-N02	XMPLS1/2-N03
XMPLS24-N02	XMPLS24-N03	XMPLS1/2-N04

XMPCFS



Single Male Banjo

MODEL(ΦD-T)

Tube(Metric)-Thread(R)	Tube(Inch)-Thread(R)	Tube(Inch)-Thread(NPT)
XMPCFS04-M5	XMPCFS10-01	XMPCFS04-G01
XMPCFS04-G01	XMPCFS10-G03	XMPCFS10-G03
XMPCFS04-01	XMPCFS10-02	XMPCFS04-G02
XMPCFS04-G02	XMPCFS10-G04	XMPCFS10-G04
XMPCFS04-02	XMPCFS10-03	XMPCFS06-G01
XMPCFS06-M5	XMPCFS10-04	XMPCFS06-G02
XMPCFS06-G01	XMPCFS12-03	XMPCFS12-G03
XMPCFS06-01	XMPCFS12-02	XMPCFS08-G01
XMPCFS08-01	XMPCFS12-04	XMPCFS12-G04
XMPCFS08-02	XMPCFS12-03	XMPCFS08-G02
XMPCFS08-03	XMPCFS12-04	XMPCFS08-G03
XMPCFS08-04	XMPCFS12-04	XMPCFS08-G04
XMPCFS10-01	XMPCFS12-04	XMPCFS08-G03
XMPCFS10-02	XMPCFS12-04	XMPCFS08-G04
XMPCFS10-03	XMPCFS10-G01	XMPCFS14-U10
XMPCFS10-04	XMPCFS10-G02	XMPCFS14-N01
XMPCFS10-G01	XMPCFS10-G03	XMPCFS14-N02
XMPCFS10-G02	XMPCFS10-G04	XMPCFS14-N03
XMPCFS10-G03	XMPCFS10-G04	XMPCFS16-N01
XMPCFS10-G04	XMPCFS10-G04	XMPCFS16-N02
XMPCFS12-G01	XMPCFS12-G01	XMPCFS16-N03
XMPCFS12-G02	XMPCFS12-G02	XMPCFS16-N04
XMPCFS12-G03	XMPCFS12-G03	XMPCFS18-N01
XMPCFS12-G04	XMPCFS12-G04	XMPCFS18-N02
XMPCFS14-U10	XMPCFS14-U10	XMPCFS18-N03
XMPCFS14-N01	XMPCFS14-N01	XMPCFS18-N04
XMPCFS14-N02	XMPCFS14-N02	XMPCFS20-N01
XMPCFS14-N03	XMPCFS14-N03	XMPCFS20-N02
XMPCFS16-N01	XMPCFS16-N01	XMPCFS20-N03
XMPCFS16-N02	XMPCFS16-N02	XMPCFS20-N04
XMPCFS16-N03	XMPCFS16-N03	XMPCFS24-N01
XMPCFS16-N04	XMPCFS16-N04	XMPCFS24-N02
XMPCFS18-N01	XMPCFS18-N01	XMPCFS24-N03
XMPCFS18-N02	XMPCFS18-N02	XMPCFS24-N04
XMPCFS18-N03	XMPCFS18-N03	
XMPCFS18-N04	XMPCFS18-N04	
XMPCFS20-N01	XMPCFS20-N01	
XMPCFS20-N02	XMPCFS20-N02	
XMPCFS20-N03	XMPCFS20-N03	
XMPCFS20-N04	XMPCFS20-N04	
XMPCFS24-N01	XMPCFS24-N01	
XMPCFS24-N02	XMPCFS24-N02	
XMPCFS24-N03	XMPCFS24-N03	
XMPCFS24-N04	XMPCFS24-N04	

XMPTS



Male Stud Branch Tee

MODEL(ΦD-T)

Tube(Metric)-Thread(R)	Tube(Inch)-Thread(R)	Tube(Inch)-Thread(NPT)
XMPTS04-M5	XMPTS10-01	XMPTS04-G01
XMPTS04-G01	XMPTS10-G03	XMPTS10-G03
XMPTS04-01	XMPTS10-02	XMPTS04-G02
XMPTS04-G02	XMPTS10-G04	XMPTS10-G04
XMPTS04-02	XMPTS10-03	XMPTS06-G01
XMPTS06-M5	XMPTS10-04	XMPTS06-G02
XMPTS06-G01	XMPTS12-03	XMPTS12-G03
XMPTS06-01	XMPTS12-02	XMPTS08-G01
XMPTS08-01	XMPTS12-04	XMPTS12-G04
XMPTS08-02	XMPTS12-03	XMPTS08-G02
XMPTS08-03	XMPTS12-04	XMPTS08-G03
XMPTS08-04	XMPTS12-04	XMPTS08-G04
XMPTS10-01	XMPTS12-04	XMPTS08-G03
XMPTS10-02	XMPTS12-04	XMPTS08-G04
XMPTS10-03	XMPTS10-G01	XMPTS14-U10
XMPTS10-04	XMPTS10-G02	XMPTS14-N01
XMPTS10-G01	XMPTS10-G03	XMPTS14-N02
XMPTS10-G02	XMPTS10-G04	XMPTS14-N03
XMPTS12-G01	XMPTS12-G01	XMPTS16-N01
XMPTS12-G02	XMPTS12-G02	XMPTS16-N02
XMPTS12-G03	XMPTS12-G03	XMPTS16-N03
XMPTS12-G04	XMPTS12-G04	XMPTS16-N04
XMPTS14-U10	XMPTS14-U10	XMPTS18-N01
XMPTS14-N01	XMPTS14-N01	XMPTS18-N02
XMPTS14-N02	XMPTS14-N02	XMPTS18-N03
XMPTS14-N03	XMPTS14-N03	XMPTS18-N04

Stainless Steel Push-In Fittings

XMPUCS



Union Straight

MODEL(ΦD)	
Tube(Metric)	Tube(Inch)
XMPUCS 04	XMPUCS 1/8
XMPUCS 06	XMPUCS 5/32
XMPUCS 08	XMPUCS 1/4
XMPUCS 10	XMPUCS 5/16
XMPUCS 12	XMPUCS 3/8
	XMPUCS 1/2

XMPULS



Union Elbow

MODEL(ΦD)	
Tube(Metric)	Tube(Inch)
XMPULS 04	XMPULS 1/8
XMPULS 06	XMPULS 5/32
XMPULS 08	XMPULS 1/4
XMPULS 10	XMPULS 5/16
XMPULS 12	XMPULS 3/8
	XMPULS 1/2

XMPUTS



Union Tee

MODEL(ΦD)	
Tube(Metric)	Tube(Inch)
XMPUTS 04	XMPUTS 1/8
XMPUTS 06	XMPUTS 5/32
XMPUTS 08	XMPUTS 1/4
XMPUTS 10	XMPUTS 5/16
XMPUTS 12	XMPUTS 3/8
	XMPUTS 1/2

XMPMS



Union Elbow

MODEL(ΦD)	
Tube(Metric)	Tube(Inch)
XMPMS 04	XMPMS 1/8
XMPMS 06	XMPMS 5/32
XMPMS 08	XMPMS 1/4
XMPMS 10	XMPMS 5/16
XMPMS 12	XMPMS 3/8
	XMPMS 1/2

Metal Speed Controls

Feature

- Accurate regulation of an optimal air flow rate for Precise motion control.
- The compact design provides the comparable rang of speed as the larger standard Speed continue roller do.

Specification

Material	Body and collet:Nickel-plated Brass O-ring:NBR(other material is available on request)
Threads	BSPT,BSPP,NPT,Metric threads
Pressure Tube to connect	0.8-16bar(see tube)PU,PE,Nylon 6-11-12
Fluid	Compressed air
Temperature	-1℃ ~60℃ (see data of used tubing)

When You order Control In Type,Pls Put BAAt The End of Model Type.For Example: XMNSE08-02B

XMNSE



Elbow

MODEL(ΦD-T)					
Tube(Metric)-Thread(R)		Tube(Inch)-Thread(R)		Tube(Inch)-Thread(NPT)	
XMNSE04-M5	XMNSE08-03	XMNSE1/8-01	XMNSE5/16-03	XMNSE1/8-U10	XMNSE1/4-N02
XMNSE04-M6	XMNSE08-04	XMNSE1/8-02	XMNSE5-16-04	XMNSE1/8-N01	XMNSE1/4-N03
XMNSE04-01	XMNSE10-01	XMNSE5/32-01	XMNSE3/8-01	XMNSE1/8-N02	XMNSE5/16-N01
XMNSE04-02	XMNSE10-02	XMNSE5/32-02	XMNSE3/8-02	XMNSE5/32-U10	XMNSE5/16-N02
XMNSE04-03	XMNSE10-03	XMNSE3/16-01	XMNSE3/8-03	XMNSE5/32-N01	XMNSE5/16-N03
XMNSE06-M5	XMNSE10-04	XMNSE3/16-02	XMNSE3/8-04	XMNSE5/32-N02	XMNSE3/8-N01
XMNSE06-M6	XMNSE12-01	XMNSE3/16-03	XMNSE1/2-02	XMNSE3/16-U10	XMNSE3/8-N02
XMNSE06-01	XMNSE12-02	XMNSE1/4-01	XMNSE1/2-03	XMNSE3/16-N01	XMNSE3/8-N03
XMNSE06-02	XMNSE12-03	XMNSE1/4-02	XMNSE1/2-04	XMNSE3/16-N02	XMNSE3/8-N04
XMNSE06-03	XMNSE12-04	XMNSE1/4-03		XMNSE3/16-N03	XMNSE1/2-N02
XMNSE08-01	XMNSE16-03	XMNSE1/4-U10		XMNSE1/4-U10	XMNSE1/2-N03
XMNSE08-02	XMNSE16-04	XMNSE5/16-02		XMNSE1/4-N01	XMNSE1/2-N04

Metal Speed Controls

XMNSE-G



Elbow(G thread)

MODEL(ΦD-T)	
Tube(Metric)-Thread(R)	
XMNSE04-G01	XMNSE10-G02
XMNSE04-G02	XMNSE10-G03
XMNSE05-G01	XMNSE10-G04
XMNSE05-G02	XMNSE12-G01
XMNSE06-G01	XMNSE12-G02
XMNSE06-G02	XMNSE12-G03
XMNSE08-G01	XMNSE12-G04
XMNSE08-G02	XMNSE14-G03
XMNSE08-G03	XMNSE14-G04
XMNSE08-G04	XMNSE16-G03
XMNSE10-G01	XMNSE16-G04

XMNSP-G



Screw Type G thread

MODEL(ΦD-T)	
Tube(Metric)-Thread(R)	
XMNSP04-G01	XMNSE10-G02
XMNSP04-G02	XMNSE10-G03
XMNSP05-G01	XMNSE10-G04
XMNSP05-G02	XMNSE12-G01
XMNSP06-G01	XMNSE12-G02
XMNSP06-G02	XMNSE12-G03
XMNSP08-G01	XMNSE12-G04
XMNSP08-G02	XMNSE14-G03
XMNSP08-G03	XMNSE14-G04
XMNSP08-G04	XMNSE16-G03
XMNSP10-G01	XMNSE16-G04

XMNSP



Screw type

MODEL(Φ-T)					
Tube(Metric)-Thread(R)		Tube(Inch)-Thread(R)		Tube(Inch)-Thread(NPT)	
XMNSP04-M5	XMNSP08-03	XMNSP1/8-01	XMNSP5/16-03	XMNSP1/8-U10	XMNSP1/4-N02
XMNSP04-M6	XMNSP08-04	XMNSP1/8-02	XMNSP5-16-04	XMNSP1/8-N01	XMNSP1/4-N03
XMNSP04-01	XMNSP10-01	XMNSP5/32-01	XMNSP3/8-01	XMNSP1/8-N02	XMNSP5/16-N01
XMNSP04-02	XMNSP10-02	XMNSP5/32-02	XMNSP3/8-02	XMNSP5/32-U10	XMNSP5/16-N02
XMNSP04-03	XMNSP10-03	XMNSP3/16-01	XMNSP3/8-03	XMNSP5/32-N01	XMNSP5/16-N03
XMNSP06-M5	XMNSP10-04	XMNSP3/16-02	XMNSP3/8-04	XMNSP5/32-N02	XMNSP3/8-N01
XMNSP06-M6	XMNSP12-01	XMNSP3/16-03	XMNSP1/2-02	XMNSP3/16-U10	XMNSP3/8-N02
XMNSP06-01	XMNSP12-02	XMNSP1/4-01	XMNSP1/2-03	XMNSP3/16-N01	XMNSP3/8-N03
XMNSP06-02	XMNSP12-03	XMNSP1/4-02	XMNSP1/2-04	XMNSP3/16-N02	XMNSP3/8-N04
XMNSP06-03	XMNSP12-04	XMNSP1/4-03		XMNSP3/16-N03	XMNSP1/2-N02
XMNSP08-01	XMNSP16-03	XMNSP5/16-01		XMNSP1/4-U10	XMNSP1/2-N03
XMNSP08-02	XMNSP16-04	XMNSP5/16-02		XMNSP1/4-N01	XMNSP1/2-N04

XMNSR



Rapid type

MODEL(ΦD-T)		MODEL(ΦD-T)	
Tube(Metric)-Thread(R)		Tube(Metric)-Thread(G)	
XMNSR-5/3-M5	XMNSR-8/6-03	XMNSR-5/3-G01	XMNSR-10/8-G04
XMNSR-5/3-M6	XMNSR-10/8-01	XMNSR-6/4-G01	XMNSR-12/10-G03
XMNSR-5/3-01	XMNSR-10/8-02	XMNSR-6/4-G02	XMNSR-12/10-G04
XMNSR-6/4-M5	XMNSR-10/8-03	XMNSR-6/4-G03	
XMNSR-6/4-M6	XMNSR-10/8-04	XMNSR-8/6-G01	
XMNSR-6/4-01	XMNSR-12/10-03	XMNSR-8/6-G02	
XMNSR-6/4-02	XMNSR-12/10-04	XMNSR-8/6-G03	
XMNSR-6/4-03		XMNSR-10/8-G01	
XMNSR-8/6-01		XMNSR-10/8-G02	
XMNSR-8/6-02		XMNSR-10/8-G03	

XMNSF



Union Straight

MODEL(ΦD)	
Tube(Metric)	Tube(Inch)
XMNSF04	XMNSF1/8
XMNSF06	XMNSF5/32
XMNSF08	XMNSF3/16
XMNSF10	XMNSF1/4
XMNSF12	XMNSF5/16
	XMNSF3/8
	XMNSF1/2

Rapid Fittings For The Plastic Tubings

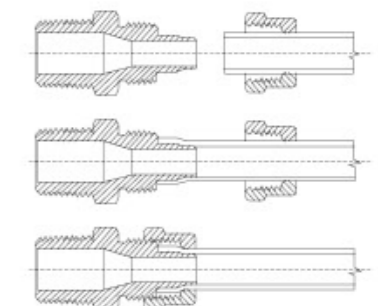
Feature

- The rapid fittings can be used with rigid nylon tubes.
- A locking nut is provided and can be tightened both manually and With a spanner.
- The special shape of the guiding cone ensures that the tube can not be accidentally cut.

Specification

Material	Body and collet:Nickel-plated Brass O-ring:NBR(other material is available on request)
Threads	BSPT,BSPP,NPT,Metric threads
Pressure	0.8-16bar(see tube)
Fluid	Compressed air
Temperature	-10℃ ~60℃ (see data of used tubing)

Construction



Rapid Fittings For The Plastic Tubings

XRPC



MODEL(ΦD-T)					
Tube(Metric)-Thread(R)			Tube(Metric)-Thread(G)		
XRPC-5/3-M5	XRPC-6/4-02	XRPC-10/8-02	XRPC-5/3-G01	XRPC-8/6-G02	XRPC-10/8-G04
XRPC-5/3-M6	XRPC-6/4-03	XRPC-10/8-03	XRPC-6/4-G01	XRPC-8/6-G03	XRPC-12/10-G03
XRPC-5/3-01	XRPC-8/6-01	XRPC-10/8-04	XRPC-6/4-G02	XRPC-10/8-G01	XRPC-12/10-G04
XRPC-6/4-M5	XRPC-8/6-02	XRPC-12/10-03	XRPC-6/4-G03	XRPC-10/8-G02	
XRPC-6/4-M6	XRPC-8/6-03	XRPC-12/10-04	XRPC-8/6-G01	XRPC-10/8-G03	
XRPC-6/4-01	XRPC-10/8-01				

XRSPC



MODEL(ΦD-T)					
Tube(Metric)-Thread(R)			Tube(Metric)-Thread(G)		
XRSPC-5/3-M5	XRSPC-6/4-02	XRSPC-10/8-02	XRSPC-5/3-G01	XRSPC-8/6-G01	XRSPC-10/8-G02
XRSPC-5/3-M6	XRSPC-6/4-03	XRSPC-10/8-03	XRSPC-6/4-G01	XRSPC-8/6-G02	XRSPC-10/8-G03
XRSPC-5/3-01	XRSPC-8/6-01	XRSPC-10/8-04	XRSPC-6/4-G02	XRSPC-8/6-G03	XRSPC-10/8-G04
XRSPC-6/4-M5	XRSPC-8/6-02	XRSPC-12/10-03	XRSPC-6/4-G03	XRSPC-10/8-G01	XRSPC-12/10-G03
XRSPC-6/4-M6	XRSPC-8/6-03	XRSPC-12/10-04			XRSPC-12/10-G04
XRSPC-6/4-01	XRSPC-10/8-01				

XRPCF



MODEL(ΦD-T)					
Tube(Metric)-Thread(R)			Tube(Metric)-Thread(G)		
XRPCF-5/3-M5	XRPCF-6/4-01	XRPCF-10/8-01	XRPCF-5/3-G01	XRPCF-8/6-G02	XRPCF-10/8-G04
XRPCF-5/3-M6	XRPCF-6/4-02	XRPCF-10/8-02	XRPCF-6/4-G01	XRPCF-8/6-G03	XRPCF-12/10-G03
XRPCF-5/3-01	XRPCF-6/4-03	XRPCF-10/8-03	XRPCF-6/4-G02	XRPCF-10/8-G01	XRPCF-12/10-G04
XRPCF-6/4-M5	XRPCF-8/6-01	XRPCF-10/8-04	XRPCF-6/4-G03	XRPCF-10/8-G02	
XRPCF-6/4-M6	XRPCF-8/6-02	XRPCF-12/10-03	XRPCF-8/6-G01	XRPCF-10/8-G03	
	XRPCF-8/6-03	XRPCF-12/10-04			

XRPL



MODEL(ΦD-T)					
Tube(Metric)-Thread(R)			Tube(Metric)-Thread(G)		
XRPL-5/3-M5	XRPL-6/4-02	XRPL-10/8-02	XRPL-5/3-G01	XRPL-8/6-G02	XRPL-10/8-G04
XRPL-5/3-M6	XRPL-6/4-03	XRPL-10/8-03	XRPL-6/4-G01	XRPL-8/6-G03	XRPL-12/10-G03
XRPL-5/3-01	XRPL-8/6-01	XRPL-10/8-04	XRPL-6/4-G02	XRPL-10/8-G01	XRPL-12/10-G04
XRPL-6/4-M5	XRPL-8/6-02	XRPL-12/10-03	XRPL-6/4-G03	XRPL-10/8-G02	
XRPL-6/4-M6	XRPL-8/6-03	XRPL-12/10-04	XRPL-8/6-G01	XRPL-10/8-G03	
XRPL-6/4-01	XRPL-10/8-01				

XRPLN



MODEL(ΦD-T)					
Tube(Metric)-Thread(R)			Tube(Metric)-Thread(G)		
XRPLN-5/3-M5	XRPLN-6/4-02	XRPLN-10/8-02	XRPLN-5/3-G01	XRPLN-8/6-G01	XRPLN-10/8-G03
XRPLN-5/3-M6	XRPLN-6/4-03	XRPLN-10/8-03	XRPLN-6/4-G01	XRPLN-8/6-G02	XRPLN-10/8-G04
XRPLN-5/3-01	XRPLN-8/6-01	XRPLN-10/8-04	XRPLN-6/4-G02	XRPLN-8/6-G03	XRPLN-12/10-G03
XRPLN-6/4-M5	XRPLN-8/6-02	XRPLN-12/10-03	XRPLN-6/4-G03	XRPLN-10/8-G01	XRPLN-12/10-G04
XRPLN-6/4-M6	XRPLN-8/6-03	XRPLN-12/10-04		XRPLN-10/8-G02	
XRPLN-6/4-01	XRPLN-10/8-01				

XRPLF



MODEL(ΦD-T)					
Tube(Metric)-Thread(R)			Tube(Metric)-Thread(G)		
XRPLF-5/3-M5	XRPLF-6/4-02	XRPLF-10/8-02	XRPLF-5/3-G01	XRPLF-8/6-G01	XRPLF-10/8-G03
XRPLF-5/3-M6	XRPLF-6/4-03	XRPLF-10/8-03	XRPLF-6/4-G01	XRPLF-8/6-G02	XRPLF-10/8-G04
XRPLF-5/3-01	XRPLF-8/6-01	XRPLF-10/8-04	XRPLF-6/4-G02	XRPLF-8/6-G03	XRPLF-12/10-G03
XRPLF-6/4-M5	XRPLF-8/6-02	XRPLF-12/10-03	XRPLF-6/4-G03	XRPLF-10/8-G01	XRPLF-12/10-G04
XRPLF-6/4-M6	XRPLF-8/6-03	XRPLF-12/10-04		XRPLF-10/8-G02	
XRPLF-6/4-01	XRPLF-10/8-01				

Rapid Fittings For The Plastic Tubings

XRPT



MODEL(ΦD-T)					
Tube(Metric)-Thread(R)			Tube(Metric)-Thread(G)		
XRPT-5/3-M5	XRPT-6/4-02	XRPT-10/8-02	XRPT-5/3-G01	XRPT-8/6-G02	XRPT-10/8-G04
XRPT-5/3-M6	XRPT-6/4-03	XRPT-10/8-03	XRPT-6/4-G01	XRPT-8/6-G03	XRPT-12/10-G03
XRPT-5/3-01	XRPT-8/6-01	XRPT-10/8-04	XRPT-6/4-G02	XRPT-10/8-G01	XRPT-12/10-G04
XRPT-6/4-M5	XRPT-8/6-02	XRPT-12/10-03	XRPT-6/4-G03	XRPT-10/8-G02	
XRPT-6/4-M6	XRPT-8/6-03	XRPT-12/10-04	XRPT-8/6-G01	XRPT-10/8-G03	
XRPT-6/4-01	XRPT-10/8-01				

XRPTN



MODEL(ΦD-T)					
Tube(Metric)-Thread(R)			Tube(Metric)-Thread(G)		
XRPTN-5/3-M5	XRPTN-6/4-02	XRPTN-10/8-02	XRPTN-5/3-G01	XRPTN-8/6-G02	XRPTN-10/8-G04
XRPTN-5/3-M6	XRPTN-6/4-03	XRPTN-10/8-03	XRPTN-6/4-G01	XRPTN-8/6-G03	XRPTN-12/10-G03
XRPTN-5/3-01	XRPTN-8/6-01	XRPTN-10/8-04	XRPTN-6/4-G02	XRPTN-10/8-G01	XRPTN-12/10-G04
XRPTN-6/4-M5	XRPTN-8/6-02	XRPTN-12/10-03	XRPTN-6/4-G03	XRPTN-10/8-G02	
XRPTN-6/4-M6	XRPTN-8/6-03	XRPTN-12/10-04	XRPTN-8/6-G01	XRPTN-10/8-G03	
XRPTN-6/4-01	XRPTN-10/8-01				

XRPD



MODEL(ΦD-T)					
Tube(Metric)-Thread(R)			Tube(Metric)-Thread(G)		
XRPD-5/3-M5	XRPD-6/4-02	XRPD-10/8-02	XRPD-5/3-G01	XRPD-8/6-G02	XRPD-10/8-G04
XRPD-5/3-M6	XRPD-6/4-03	XRPD-10/8-03	XRPD-6/4-G01	XRPD-8/6-G03	XRPD-12/10-G03
XRPD-5/3-01	XRPD-8/6-01	XRPD-10/8-04	XRPD-6/4-G02	XRPD-10/8-G01	XRPD-12/10-G04
XRPD-6/4-M5	XRPD-8/6-02	XRPD-12/10-03	XRPD-6/4-G03	XRPD-10/8-G02	
XRPD-6/4-M6	XRPD-8/6-03	XRPD-12/10-04	XRPD-8/6-G01	XRPD-10/8-G03	
XRPD-6/4-01	XRPD-10/8-01				

XRPDN



MODEL(ΦD-T)					
Tube(Metric)-Thread(R)			Tube(Metric)-Thread(G)		
XRPDN-5/3-M5	XRPDN-6/4-02	XRPDN-10/8-02	XRPDN-5/3-G01	XRPDN-8/6-G02	XRPDN-10/8-G04
XRPDN-5/3-M6	XRPDN-6/4-03	XRPDN-10/8-03	XRPDN-6/4-G01	XRPDN-8/6-G03	XRPDN-12/10-G03
XRPDN-5/3-01	XRPDN-8/6-01	XRPDN-10/8-04	XRPDN-6/4-G02	XRPDN-10/8-G01	XRPDN-12/10-G04
XRPDN-6/4-M5	XRPDN-8/6-02	XRPDN-12/10-03	XRPDN-6/4-G03	XRPDN-10/8-G02	
XRPDN-6/4-M6	XRPDN-8/6-03	XRPDN-12/10-04	XRPDN-8/6-G01	XRPDN-10/8-G03	
XRPDN-6/4-01	XRPDN-10/8-01				

XRPH





MODEL(ΦD-T)					
Tube(Metric)-Thread(R)			Tube(Metric)-Thread(G)		
XRPH-5/3-M5	XRPH-6/4-02	XRPH-10/8-02	XRPH-5/3-G01		XRPH-10/8-G04
XRPH-5/3-M6	XRPH-6/4-03	XRPH-10/8-03	XRPH-6/4-G01		XRPH-12/10-G03
XRPH-5/3-01	XRPH-8/6-01	XRPH-10/8-04	XRPH-6/4-G02		XRPH-12/10-G04
XRPH-6/4-M5	XRPH-8/6-02	XRPH-12/10-03	XRPH-6/4-G03		
XRPH-6/4-M6	XRPH-8/6-03	XRPH-12/10-04	XRPH-8/6-G01		
XRPH-6/4-01	XRPH-10/8-01				




XRPDH



MODEL(ΦD-T)					
Tube(Metric)-Thread(R)			Tube(Metric)-Thread(G)		
XRDPH-5/3-M5	XRDPH-6/4-02	XRDPH-10/8-02	XRDPH-5/3-G01	XRDPH-8/6-G02	XRDPH-10/8-G04
XRDPH-5/3-M6	XRDPH-6/4-03	XRDPH-10/8-03	XRDPH-6/4-G01	XRDPH-8/6-G03	XRDPH-12/10-G03
XRDPH-5/3-01	XRDPH-8/6-01	XRDPH-10/8-04	XRDPH-6/4-G02	XRDPH-10/8-G01	XRDPH-12/10-G04
XRDPH-6/4-M5	XRDPH-8/6-02	XRDPH-12/10-03	XRDPH-6/4-G03	XRDPH-10/8-G02	
XRDPH-6/4-M6	XRDPH-8/6-03	XRDPH-12/10-04	XRDPH-8/6-G01	XRDPH-10/8-G03	
XRDPH-6/4-01	XRDPH-10/8-01				



Rapid Fittings For The Plastic Tubings

XRTPH 	MODEL(ΦD-T)				XRPUC 	MODEL(ΦD)	
	Ube(Metric)-Thread(R)		Tube(Metric)-Thread(G)				Tube(Metric)
	XRTPH-5/3-M5	XRTPH-8/6-02	XRTPH-5/3-G01	XRTPH-10/8-G02		XRUC-5/3	
	XRTPH-5/3-M6	XRTPH-8/6-03	XRTPH-6/4-G01	XRTPH-10/8-G03		XRUC-6/4	
	XRTPH-5/3-01	XRTPH-10/8-01	XRTPH-6/4-G02	XRTPH-10/8-G04		XRUC-8/6	
	XRTPH-6/4-M5	XRTPH-10/8-02	XRTPH-6/4-G03	XRTPH-12/10-G03		XRUC-10/8	
	XRTPH-6/4-M6	XRTPH-10/8-03	XRTPH-8/6-G01	XRTPH-12/10-G04		XRUC-12/10	
	XRTPH-6/4-01	XRTPH-10/8-04	XRTPH-8/6-G02				
	XRTPH-6/4-02	XRTPH-12/10-03	XRTPH-8/6-G03				
	XRTPH-6/4-03	XRTPH-12/10-04	XRTPH-10/8-G01				
	XRTPH-8/6-01						

XRPUL 	MODEL(ΦD)	XRPUT 	MODEL(ΦD)	XRPZA 	MODEL(ΦD-T)
	Tube(Metric)		Tube(Metric)		Tube(Metric)
	XRPUL-5/3		XRPUT-5/3		XRPZA-5/3
	XRPUL-6/4		XRPUT-6/4		XRPZA-6/4
	XRPUL-8/6		XRPUT-8/6		XRPZA-8/6
	XRPUL-10/8		XRPUT-10/8		XRPZA-10/8
	XRPUL-12/10		XRPUT-12/10		XRPZA-12/10

XRPM 	MODEL(ΦD)	XRM 	MODEL(ΦD)	XRMS 	MODEL(ΦD)
	Tube(Metric)		Tube(Metric)		Tube(Metric)
	XRPM-5/3		XRM-5/3		XRMS-5/3
	XRPM-6/4		XRM-6/4		XRMS-6/4
	XRPM-8/6		XRM-8/6		XRMS-8/6
	XRPM-10/8		XRM-10/8		XRMS-10/8
	XRPM-12/10		XRM-12/10		XRMS-12/10

Compact Rapid Fittings For Tubings

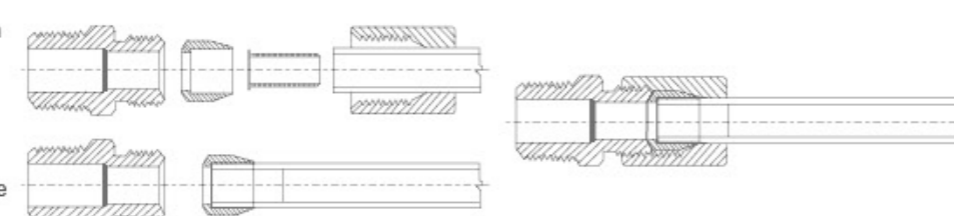
XRPPC 	MODEL(ΦD)	XRPPH 	MODEL(ΦD)
	Tube(Metric)-Thread(R)		Tube(Metric)-Thread(R)
	XRPPC4/2.5-M5		XRPPH4/2.5-M5
	XRPPC4/2.5-M6		XRPPH4/2.5-M6
	XRPPC6/4-M5		XRPPH6/4-M5
	XRPPC6/4-M6		XRPPH6/4-M6

Pipe Joint Fittings


Specification


- The Pipe joint fittings can be used with rigid nylon tubes.
- A locking nut is provided and Can be tightened both manually and with a spanner.
- The special shape of the guiding cone ensures that the tube can not be accidentally cut.


Construction





Pipe Joint Fittings




XQPC 	MODEL(ΦD-T)					
	Tube(Metric)-Thread(R)			Tube(Metric)-Thread(G)		
	XQPC 04-01	XQPC 08-02	XQPC 12-02	XQPC 04-G01	XQPC 08-G02	XQPC 12-G02
	XQPC 04-02	XQPC 08-03	XQPC 12-03	XQPC 04-G02	XQPC 08-G03	XQPC 12-G03
	XQPC 06-01	XQPC 10-02	XQPC 12-04	XQPC 06-G01	XQPC 10-G02	XQPC 12-G04
	XQPC 06-02	XQPC 10-03		XQPC 06-G02	XQPC 10-G03	
	XQPC 08-01	XQPC 10-04		XQPC 08-G01	XQPC 10-G04	

XQPL 	MODEL(ΦD-T)					
	Tube(Metric)-Thread(R)			Tube(Metric)-Thread(G)		
	XQPL 04-01	XQPL 08-02	XQPL 12-02	XQPL 04-G01	XQPL 08-G02	XQPL 12-G02
	XQPL 04-02	XQPL 08-03	XQPL 12-03	XQPL 04-G02	XQPL 08-G03	XQPL 12-G03
	XQPL 06-01	XQPL 10-02	XQPL 12-04	XQPL 06-G01	XQPL 10-G02	XQPL 12-G04
	XQPL 06-02	XQPL 10-03		XQPL 06-G02	XQPL 10-G03	
	XQPL 08-01	XQPL 10-04		XQPL 08-G01	XQPL 10-G04	




XQPCF 	MODEL(ΦD-T)					
	Tube(Metric)-Thread(R)			Tube(Metric)-Thread(G)		
	XQPCF 04-01	XQPCF 08-02	XQPCF 12-02	XQPCF 04-G01	XQPCF 08-G02	XQPCF 12-G02
	XQPCF 04-02	XQPCF 08-03	XQPCF 12-03	XQPCF 04-G02	XQPCF 08-G03	XQPCF 12-G03
	XQPCF 06-01	XQPCF 10-02	XQPCF 12-04	XQPCF 06-G01	XQPCF 10-G02	XQPCF 12-G04
	XQPCF 06-02	XQPCF 10-03		XQPCF 06-G02	XQPCF 10-G03	
	XQPCF 08-01	XQPCF 10-04		XQPCF 08-G01	XQPCF 10-G04	


XQPT 	MODEL(ΦD-T)					
	Tube(Metric)-Thread(R)			Tube(Metric)-Thread(G)		
	XQPT 04-01	XQPT 08-02	XQPT 12-02	XQPT 04-G01	XQPT 08-G02	XQPT 12-G02
	XQPT 04-02	XQPT 08-03	XQPT 12-03	XQPT 04-G02	XQPT 08-G03	XQPT 12-G03
	XQPT 06-01	XQPT 10-02	XQPT 12-04	XQPT 06-G01	XQPT 10-G02	XQPT 12-G04
	XQPT 06-02	XQPT 10-03		XQPT 06-G02	XQPT 10-G03	
	XQPT 08-01	XQPT 10-04		XQPT 08-G01	XQPT 10-G04	

XQPD 	MODEL(ΦD-T)					
	Tube(Metric)-Thread(R)			Tube(Metric)-Thread(G)		
	XQPD 04-01	XQPD 08-02	XQPD 12-02	XQPD 04-G01	XQPD 08-G02	XQPD 12-G02
	XQPD 04-02	XQPD 08-03	XQPD 12-03	XQPD 04-G02	XQPD 08-G03	XQPD 12-G03
	XQPD 06-01	XQPD 10-02	XQPD 12-04	XQPD 06-G01	XQPD 10-G02	XQPD 12-G04
	XQPD 06-02	XQPD 10-03		XQPD 06-G02	XQPD 10-G03	
	XQPD 08-01	XQPD 10-04		XQPD 08-G01	XQPD 10-G04	

XQPUC 	MODEL(ΦD)	XQPUL 	MODEL(ΦD)	XQPUL 	MODEL(ΦD)
	Tube(Metric)		Tube(Metric)		Tube(Metric)
	XQPUC 04		XQPUL 04		XQPUL 04
	XQPUC 06		XQPUL 06		XQPUL 06
	XQPUC 08		XQPUL 08		XQPUL 08
	XQPUC 10		XQPUL 10		XQPUL 10
	XQPUC 12		XQPUL 12		XQPUL 12


Pipe Joint Fittings


XQPZA	MODEL(ΦD) Tube(Metric)	XQPM	MODEL(ΦD) Tube(Metric)	XQS	MODEL(ΦD-T) Tube(Metric)
	XQPZA 04 XQPZA 06 XQPZA 08 XQPZA 10 XQPZA 12		XQPM 04 XQPM 06 XQPM 08 XQPM 10 XQPM 12		XQS 04 XQS 06 XQS 08 XQS 10 XQS 12
Union Cross		Bulkhead Union		Nut	

XQI	MODEL(ΦD) Tube(Metric)	XQC	MODEL(ΦD) Tube(Metric)
	XQI 04 XQI 06 XQI 08 XQI 10 XQI 12		XQC 02 XQC 04 XQC 06 XQC 08 XQC 10
		Support Bush	



Pipe Fittings


Feature	Specification										
When involved in factory maintenance or Plant installation, it's often difficult to be certain which size of fittings will be required, Our Pipe fittings provide a cost effective solution to solve this problem.	<table border="1"> <tr><td>Material</td><td>Nickel-plated Brass</td></tr> <tr><td>Threads</td><td>BSPT, BSPP, NPT, Metric threads</td></tr> <tr><td>Pressure</td><td>(See tube)</td></tr> <tr><td>Fluid</td><td>Compressed air</td></tr> <tr><td>Temperature</td><td>(See data of used tubing)</td></tr> </table>	Material	Nickel-plated Brass	Threads	BSPT, BSPP, NPT, Metric threads	Pressure	(See tube)	Fluid	Compressed air	Temperature	(See data of used tubing)
Material	Nickel-plated Brass										
Threads	BSPT, BSPP, NPT, Metric threads										
Pressure	(See tube)										
Fluid	Compressed air										
Temperature	(See data of used tubing)										



XPSM	MODEL(ΦT1-ΦT2)					
	Thread(R)T1-Thread(R)T2	Thread(NPT)T1-Thread(NPT)T2	Thread(G)T1-Thread(G)T2	Thread(NPT)T1-Thread(NPT)T2	Thread(G)T1-Thread(G)T2	Thread(NPT)T1-Thread(NPT)T2
	XPSM 01-01	XPSM 06-06	XPSM N01-N01	XPSM N06-N06	XPSM G01-G01	XPSM G06-G06
	XPSM 02-02	XPSM 06-04	XPSM N02-N02	XPSM N06-N04	XPSM G02-G02	XPSM G06-G04
	XPSM 02-01	XPSM 06-03	XPSM N02-N01	XPSM N06-N03	XPSM G02-G01	XPSM G06-G03
	XPSM 03-03	XPSM 06-02	XPSM N03-N03	XPSM N06-N02	XPSM G03-G03	XPSM G06-G02
	XPSM 03-02	XPSM 08-08	XPSM N03-N02	XPSM N08-N08	XPSM G03-G02	XPSM G08-G08
	XPSM 03-01	XPSM 08-06	XPSM N03-N01	XPSM N08-N06	XPSM G03-G01	XPSM G08-G06
	XPSM 04-04	XPSM 08-04	XPSM N04-N04	XPSM N08-N04	XPSM G04-G04	XPSM G08-G04
	XPSM 04-03	XPSM 08-03	XPSM N04-N03	XPSM N08-N03	XPSM G04-G03	XPSM G08-G03
	XPSM 04-02		XPSM N04-N02		XPSM G04-G02	
	XPSM 04-01		XPSM N04-N01		XPSM G04-G01	



XPSF	MODEL(ΦT1-ΦT1)					
	Thread(R)T1-Thread(R)T2	Thread(NPT)T1-Thread(NPT)T2	Thread(G)T1-Thread(G)T2	Thread(NPT)T1-Thread(NPT)T2	Thread(G)T1-Thread(G)T2	Thread(NPT)T1-Thread(NPT)T2
	XPSF 01-01	XPSF 04-01	XPSF N01-N01	XPSF N04-N01	XPSF G01-G01	XPSF G04-G01
	XPSF 02-02	XPSF 06-06	XPSF N02-N02	XPSF N06-N06	XPSF G02-G02	XPSF G06-G06
	XPSF 02-01	XPSF 06-04	XPSF N02-N01	XPSF N06-N04	XPSF G02-G01	XPSF G06-G04
	XPSF 03-03	XPSF 06-03	XPSF N03-N03	XPSF N06-N03	XPSF G03-G03	XPSF G06-G03
	XPSF 03-02	XPSF 06-02	XPSF N03-N02	XPSF N06-N02	XPSF G03-G02	XPSF G06-G02
	XPSF 03-01	XPSF 08-08	XPSF N03-N01	XPSF N08-N08	XPSF G03-G01	XPSF G08-G08
	XPSF 04-04	XPSF 08-06	XPSF N04-N04	XPSF N08-N06	XPSF G04-G04	XPSF G08-G06
	XPSF 04-03	XPSF 08-04	XPSF N04-N03	XPSF N08-N04	XPSF G04-G03	XPSF G08-G04
	XPSF 04-02	XPSF 08-03	XPSF N04-N02	XPSF N08-N03	XPSF G04-G02	XPSF G08-G03



Pipe Fittings

XPOF	MODEL(T)		XPEL	MODEL(ΦD-T)	
	Thread(R)	Thread(NPT)		Thread(R)	Thread(NPT)
	XPOF G01	XPOF N01		XPEL 01	XPEL 01N01
	XPOF G02	XPOF N02		XPEL 02	XPEL 02N02
	XPOF G03	XPOF N03		XPEL 03	XPEL 03N03
	XPOF G04	XPOF N04		XPEL 04	XPEL 04N04
	XPOF G06	XPOF N06		XPEL 06	XPEL 06N06
	XPOF G08	XPOF N08		XPEL 08	XPEL 08N08
Plug			Equal Male Stud Elbow		

XPSMF	MODEL(ΦT1-ΦT2)					
	Thread(R)T1-Thread(R)T2	Thread(NPT)T1-Thread(NPT)T2	Thread(G)T1-Thread(G)T2	Thread(NPT)T1-Thread(NPT)T2	Thread(G)T1-Thread(G)T2	Thread(NPT)T1-Thread(NPT)T2
	XPSMF 01-01	XPSMF 06-06	XPSMF N01-N01	XPSMF N06-N06	XPSMF G01-G01	XPSMF G06-G06
	XPSMF 02-02	XPSMF 06-04	XPSMF N02-N02	XPSMF N06-N04	XPSMF G02-G02	XPSMF G06-G04
	XPSMF 02-01	XPSMF 06-03	XPSMF N02-N01	XPSMF N06-N03	XPSMF G02-G01	XPSMF G06-G03
	XPSMF 03-03	XPSMF 06-02	XPSMF N03-N03	XPSMF N06-N02	XPSMF G03-G03	XPSMF G06-G02
	XPSMF 03-02	XPSMF 08-08	XPSMF N03-N02	XPSMF N08-N08	XPSMF G03-G02	XPSMF G08-G08
	XPSMF 03-01	XPSMF 08-06	XPSMF N03-N01	XPSMF N08-N06	XPSMF G03-G01	XPSMF G08-G06
	XPSMF 04-04	XPSMF 08-04	XPSMF N04-N04	XPSMF N08-N04	XPSMF G04-G04	XPSMF G08-G04
	XPSMF 04-03	XPSMF 08-03	XPSMF N04-N03	XPSMF N08-N03	XPSMF G04-G03	XPSMF G08-G03
	XPSMF 04-02		XPSMF N04-N02		XPSMF G04-G02	
	XPSMF 04-01		XPSMF N04-N01		XPSMF G04-G01	

XPFL	MODEL(T)		XPRMF	MODEL(ΦT1-ΦT2)		
	Thread(G)	Thread(NPT)		Thread(R)T1-T2	Thread(NPT)T1-T2	Thread(G)T1-T2
	XPFL 01	XPFL N01		XPRMF 02-01	XPRMF N02-N01	XPRMF G02-G01
	XPFL 02	XPFL N02		XPRMF 03-01	XPRMF N03-N01	XPRMF G03-G01
	XPFL 03	XPFL N03		XPRMF 03-02	XPRMF N03-N02	XPRMF G03-G02
	XPFL 04	XPFL N04		XPRMF 04-01	XPRMF N04-N01	XPRMF G04-G01
	XPFL 06	XPFL N06		XPRMF 04-02	XPRMF N04-N02	XPRMF G04-G02
	XPFL 08	XPFL N08		XPRMF 04-03	XPRMF N04-N03	XPRMF G04-G03
Equal Female Stud Elbow			Reduce Male to Female	XPRMF 06-02	XPRMF N06-N02	XPRMF G06-G02
				XPRMF 06-03	XPRMF N06-N03	XPRMF G06-G03
				XPRMF 06-04	XPRMF N06-N04	XPRMF G06-G04

XPEFL	MODEL(T)		XPO	MODEL(T)		
	Thread(R)	Thread(NPT)		Thread(R)	Thread(NPT)	Thread(G)
	XPEFL 01	XPEFL N01		XPO M5	XPO N01	XPO G01
	XPEFL 02	XPEFL N02		XPO 01	XPO N02	XPO G02
	XPEFL 03	XPEFL N03		XPO 02	XPO N03	XPO G03
	XPEFL 04	XPEFL N04		XPO 03	XPO N04	XPO G04
	XPEFL 06	XPEFL N06		XPO 04	XPO N06	XPO G06
	XPEFL 08	XPEFL N08		XPO 06	XPO N08	XPO G08
Equal Female Stud Elbow			PIUG	XPO 08		

XPOHH	MODEL(T)			XPOH	MODEL(T)		
	Thread(R)	Thread(NPT)	Thread(G)		Thread(R)	Thread(NPT)	Thread(G)
	XPOHH M5	XPOHH N01	XPOHH G01		XPOH M5	XPOH N01	XPOH G01
	XPOHH 01	XPOHH N02	XPOHH G02		XPOH 01	XPOH N02	XPOH G02
	XPOHH 02	XPOHH N03	XPOHH G03		XPOH 02	XPOH N03	XPOH G03
	XPOHH 03	XPOHH N04	XPOHH G04		XPOH 03	XPOH N04	XPOH G04
	XPOHH 04	XPOHH N06	XPOHH G06		XPOH 04	XPOH N06	XPOH G06
	XPOHH 06	XPOHH N08	XPOHH G08		XPOH 06	XPOH N08	XPOH G08
	XPOHH 08				XPOH 08		
PLUG				PIUG			

Pipe Fittings

XPZ



In&Out Thread

MODEL(ΦT1-ΦT2)

Thread(R)T1-(G)T2	Thread(NPT)T1-T2	Thread(G)T1-T2
XPZ 02-G01	XPZ N02-N01	XPZ G02-G01
XPZ 03-G01	XPZ N03-N01	XPZ G03-G01
XPZ 03-G02	XPZ N03-N02	XPZ G03-G02
XPZ 04-G01	XPZ N04-N01	XPZ G04-G01
XPZ 04-G02	XPZ N04-N02	XPZ G04-G02
XPZ 04-G03	XPZ N04-N03	XPZ G04-G03
XPZ 06-G02	XPZ N06-N02	XPZ G06-G02
XPZ 06-G03	XPZ N06-N03	XPZ G06-G03
XPZ 06-G04	XPZ N06-N04	XPZ G06-G04

XPMT



Male Stud Branch Tee

MODEL(T)

Thread(G)	Thread(NPT)
XPMT 01	XPMT N01
XPMT 02	XPMT N02
XPMT 03	XPMT N03
XPMT 04	XPMT N04
XPMT 06	XPMT N06
XPMT 08	XPMT N08

XPSMT



Male Tee

MODEL(T)

Thread(G)	Thread(NPT)
XPSMT 01	XPSMT N01
XPSMT 02	XPSMT N02
XPSMT 03	XPSMT N03
XPSMT 04	XPSMT N04
XPSMT 06	XPSMT N06
XPSMT 08	XPSMT N08

XPSFT



Male To Female Tee

MODEL(T)

Thread(G)	Thread(NPT)
XPSFT 01	XPSFT N01
XPSFT 02	XPSFT N02
XPSFT 03	XPSFT N03
XPSFT 04	XPSFT N04
XPSFT 06	XPSFT N06
XPSFT 08	XPSFT N08

XPFT



Equal Female Tee

MODEL(T)

Thread(G)	Thread(NPT)
XPFT 01	XPFT N01
XPFT 02	XPFT N02
XPFT 03	XPFT N03
XPFT 04	XPFT N04
XPFT 06	XPFT N06
XPFT 08	XPFT N08

XPMST



Male Run Tee

MODEL(T)

Thread(G)	Thread(NPT)
XPMST 01	XPMST N01
XPMST 02	XPMST N02
XPMST 03	XPMST N03
XPMST 04	XPMST N04
XPMST 06	XPMST N06
XPMST 08	XPMST N08

XPMMT



Double Male to Female

MODEL(T)

Thread(G)	Thread(NPT)
XPMMT 01	XPMMT N01
XPMMT 02	XPMMT N02
XPMMT 03	XPMMT N03
XPMMT 04	XPMMT N04
XPMMT 06	XPMMT N06
XPMMT 08	XPMMT N08

XPYF



Female Y

MODEL(T)

Thread(G)	Thread(NPT)
XPYF G01	XPYF N01
XPYF G02	XPYF N02
XPYF G03	XPYF N03
XPYF G04	XPYF N04

XPHTM



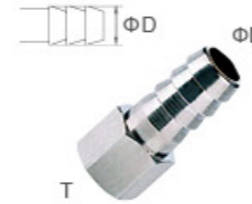
Male Barb

MODEL(ΦD-T)

Tube(Metric)-Thread(R)	Tube(Metric)-Thread(G)	Tube(Metric)-Thread(NPT)
XPHTM05-01	XPHTM10-02	XPHTM05-G01
XPHTM05-02	XPHTM10-03	XPHTM05-G02
XPHTM07-01	XPHTM12-02	XPHTM07-G01
XPHTM07-02	XPHTM12-03	XPHTM07-G02
XPHTM08-01	XPHTM12-04	XPHTM08-G01
XPHTM08-02	XPHTM17-03	XPHTM08-G02
XPHTM09-01	XPHTM17-04	XPHTM09-G01
XPHTM09-02	XPHTM18-03	XPHTM09-G02
XPHTM09-03	XPHTM18-04	XPHTM09-G03
XPHTM10-01	XPHTM18-04	XPHTM10-G04
XPHTM10-01	XPHTM10-G01	XPHTM10-N01

Pipe Fittings

XPHTF

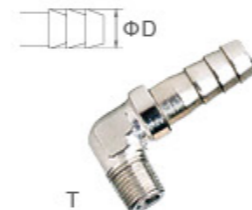


Female Barb

MODEL(ΦD-T)

Tube(Metric)-Thread(R)	Tube(Metric)-Thread(G)	Tube(Metric)-Thread(NPT)
XPHTF05-01	XPHTF10-02	XPHTF05-G01
XPHTF05-02	XPHTF10-03	XPHTF05-G02
XPHTF07-01	XPHTF12-02	XPHTF07-G01
XPHTF07-02	XPHTF12-03	XPHTF07-G02
XPHTF08-01	XPHTF12-04	XPHTF08-G01
XPHTF08-02	XPHTF17-03	XPHTF08-G02
XPHTF09-01	XPHTF17-04	XPHTF09-G01
XPHTF09-02	XPHTF18-03	XPHTF09-G02
XPHTF09-03	XPHTF18-04	XPHTF09-G03
XPHTF10-01	XPHTF10-G01	XPHTF10-N01

XPLB



Male Elbow Barb

MODEL(ΦD-T)

Tube(Metric)-Thread(R)	Tube(Metric)-Thread(G)	Tube(Metric)-Thread(NPT)
XPLB05-01	XPLB10-02	XPLB05-G01
XPLB05-02	XPLB10-03	XPLB05-G02
XPLB07-01	XPLB12-02	XPLB07-G01
XPLB07-02	XPLB12-03	XPLB07-G02
XPLB08-01	XPLB12-04	XPLB08-G01
XPLB08-02	XPLB17-03	XPLB08-G02
XPLB09-01	XPLB17-04	XPLB09-G01
XPLB09-02	XPLB18-03	XPLB09-G02
XPLB09-03	XPLB18-04	XPLB09-G03
XPLB10-01	XPLB10-G01	XPLB10-N01

XPYT



Female to Male Y

MODEL(ΦD-T)

Thread(G)	Thread(NPT)
XPYT 01	XPYT N01
XPYT 02	XPYT N02
XPYT 03	XPYT N03
XPYT 04	XPYT N04

XPMFM



Female Bulkhead

MODEL(ΦD-T)

Thread(G)	Thread(NPT)
XPMFM G01	XPMFM N01
XPMFM G02	XPMFM N02
XPMFM G03	XPMFM N03
XPMFM G04	XPMFM N04

XPFC



Equal Female Cross

MODEL(T)

Thread(G)	Thread(NPT)
XPFC G01	XPFC N01
XPFC G02	XPFC N02
XPFC G03	XPFC N03
XPFC G04	XPFC N04

XPBB



Barb Union

MODEL(ΦD)

Tube
PBB 05
PBB 07
PBB 08
PBB 09
PBB 10
PBB 12
PBB 17
PBB 18

XPFC T



Equal Female To Male Cross

MODEL(T)

Thread(G)	Thread(NPT)
XPFC T 01	XPFC T N01
XPFC T 02	XPFC T N02
XPFC T 03	XPFC T N03
XPFC T 04	XPFC T N04

XPTB



Barb T



MODEL(ΦD)

Tube
PTB 05
PTB 07
PTB 08
PTB 09
PTB 10
PTB 12
PTB 17
PTB 18




Quick coupler

SH			SF			SM		
Model	Size		Model	Size		Model	Size	
SH-20	5/16" Tube		SF-20	1/4 PT		SM-20	1/4 PT	
SH-30	3/8" Tube		SF-30	3/8 PT		SM-30	3/8 PT	
SH-40	1/2" Tube		SF-40	1/2 PT		SM-40	1/2 PT	

SP			PH			PF		
Model	Size		Model	Size		Model	Size	
SP-20	5/16" Tube		PH-20	5/16" Tube		PF-20	1/4 PT	
SP-30	3/8" Tube		PH-30	3/8" Tube		PF-30	3/8 PT	
SP-40	1/2" Tube		PH-40	1/2" Tube		PF-40	1/2 PT	




PM			PP		
Model	Size		Model	Size	
PM-20	1/4 PT		PP-20	5/16" Tube	
PM-30	3/8 PT		PP-30	3/8" Tube	
PM-40	1/2 PT		PP-40	1/2" Tube	

Multipass Quick Coupler




SML	SMT	SMM
		




SMX	SMV	SMY
		

Silencer

B Type Muffler	Code	Screw Thread (Size)	S (mm)	V Type Muffler	Code	Screw Thread (Size)	S (mm)	XB Type Exhaust Muffling Throttle Valve	Code	Screw Thread (Size)	S (mm)
	B-M5	M5	8		V-M5	M5	8		XB-6	1/8"	12
	B-6	1/8"	12		V-6	1/8"	12		XB-8	1/4"	14
	B-8	1/4"	15		V-8	1/4"	15		XB-10	3/8"	17
	B-10	3/8"	19		V-10	3/8"	19		XB-15	1/2"	24
	-B15	1/2"	22		V15	1/2"	22		XB-20	3/4"	27
	B-20	3/4"	27		V-20	3/4"	30		XB-25	1"	34
	B-25	1"	36		V-25	1"	36				

SC Type Muffler	Code	Screw Thread (Size)	S (mm)	SEB Type Muffler	Code	Screw Thread (Size)	S (mm)	SET Type Muffler Coppler Plating Feet	Code	Screw Thread (Size)	S (mm)
	SC-M5	M5	8		SEB-M5	M5	7		SET-6	1/8"	8
	SC-6	1/8"	12		SEB-6	1/8"	12		SET-8	1/4"	10
	SC-8	1/4"	15		SEB-8	1/4"	15		SET-10	3/8"	13
	SC-10	3/8"	19		SEB-10	3/8"	19		SET-15	1/2"	15
	SC-15	1/2"	22		SEB-15	1/2"	23		SET-20	3/4"	19
	SC-20	3/4"	27		SEB-20	3/4"	30		SET-25	1"	24
	SC-25	1"	35		SEB-25	1"	36				

SCQ Type Muffler	Code	Screw Thread (Size)	S (mm)	D Type Muffler	Code	Screw Thread (Size)	S (mm)	C Type Exhaust Muffling Throttle Valve	Code	Screw Thread (Size)	S (mm)
	SCQ-6	1/8"	7		D-6	1/8"	8		C-6	1/8"	13
	SCQ-8	1/4"	8		D-8	1/4"	10		C-8	1/4"	14
	SCQ-10	3/8"	10		D-10	3/8"	15		C-10	3/8"	17
	SCQ-15	1/2"	14		D-15	1/2"	19		C-15	1/2"	22
	SCQ-20	3/4"	17		D-20	3/4"	20		C-20	3/4"	27
	SCQ-25	1"	21		D-25	1"	27		C-25	1"	34

SDV Type Muffler	Code	Screw Thread (Size)	S (mm)	XA Type Exhaust Muffling Throttle Valve	Code	Screw Thread (Size)	S (mm)	SD Type Muffler	Code	Screw Thread (Size)	S (mm)
	SDV-6	1/8"	13		XA-6	1/8"	14		SD-6	1/8"	12
	SDV-8	1/4"	16		XA-8	1/4"	16		SD-8	1/4"	15
	SDV-10	3/8"	19		XA-10	3/8"	17		SD-10	3/8"	19
	SDV-15	1/2"	24		XA-15	1/2"	24		SD-15	1/2"	22
	SDV-20	3/4"	30		XA-20	3/4"	27		SD-20	3/4"	27
	SDV-25	1"	36		XA-25	1"	34		SD-25	1"	34

SEB-B-1 Pivoted And Plated The Nickel Wholly	Code	Screw Thread (Size)	S (mm)	SS-V Type Stainless Steel Muffler	Code	Screw Thread (Size)	S (mm)	SSDV Type Stainless Steel Muffler	Code	Screw Thread (Size)	S (mm)
	SEB-B-1-6	1/8"	12		SS-V-M5	M5	8		SSDV-6	1/8"	13
	SEB-B-1-8	1/4"	15		SS-V-6	1/8"	12		SSDV-8	1/4"	16
	SEB-B-1-10	3/8"	19		SS-V-8	1/4"	15		SSDV-10	3/8"	19
	SEB-B-1-15	1/2"	23		SS-V-10	3/8"	19		SSDV-15	1/2"	24
	SEB-B-1-20	3/4"	30		SS-V-15	1/2"	23		SSDV-20	3/4"	30
	SEB-B-1-25	1"	35		SS-V-20	3/4"	30		SSDV-25	1"	36
					SS-V-25	1"	36				

Silencer

SSM Type Muffler			SS-PDK Type Exhaust Muffling Throttle Valve			PTV Plastic Exhaust Muffling Throttle Valve		
Code	Screw Thread (Size)	S (mm)	Code	Screw Thread (Size)	S (mm)	Code	Screw Thread (Size)	S (mm)
SSM-M5	M5	8	SS-PDK-6	1/8"	13	PTV-6	1/8"	10
SSM-6	1/8"	12	SS-PDK-8	1/4"	14	PTV-8	1/4"	14
SSM-8	1/4"	15	SS-PDK-10	3/8"	17	PTV-10	3/8"	17
SSM-10	3/8"	19	SS-PDK-15	1/2"	22	PTV-15	1/2"	24
SSM-15	1/2"	23	SS-PDK-20	3/4"	27	PTV-20	3/4"	30
SSM-20	3/4"	30	SS-PDK-25	1"	34	PTV-25	1"	36
SSM-25	1"	36						

SB Type Muffler			LM Type Aluminum Muffler			AM Type Aluminum Muffler		
Code	Screw Thread (Size)	S (mm)	Code	Screw Thread (Size)	S (mm)	Code	Screw Thread (Size)	S (mm)
SB-6	1/8"	11	LM-1	1/8"	20.5	AM-6	1/8"	16
SB-8	1/4"	14	LM-2	1/4"	20.5	AM-8	1/4"	19
SB-10	3/8"	17	LM-3	3/8"	32	AM-10	3/8"	22
SB-15	1/2"	22	LM-4	1/2"	32	AM-15	1/2"	29
SB-20	3/4"	27	LM-6	3/4"	51	AM-20	3/4"	38
SB-25	1"	33	LM-8	1"	51			
SB-32	1-1/4"	43						
SB-40	1-1/2"	51						
SB-50	2"	60						

PSU Type Plastic Muffler			PSE Type Plastic Muffler			SU Type Plastic Muffler		
Code	Screw Thread (Size)	S (mm)	Code	Screw Thread (Size)	S (mm)	Code	Screw Thread (Size)	S (mm)
PSU-M5	M5	7	PSE-M5	M5	7	SU-6	1/8"	16
PSU-6	1/8"	13	PSE-6	1/8"	13	SU-8	1/4"	20
PSU-8	1/4"	17	PSE-8	1/4"	17	SU-10	3/8"	24
PSU-10	3/8"	25	PSE-10	3/8"	25	SU-15	1/2"	24
PSU-15	1/2"	25	PSE-15	1/2"	25	SU-20	3/4"	48
PSU-20	3/4"		PSE-20	3/4"	37	SU-25	1"	48
PSU-25	1"		PSE-25	1"	48			

Air Gun



Tube Cutter



Specification	
Available Tube	Polyurethane and Nylon
Cutting Outer Dia	3.0~14.0
Material	Polycetal, Stainless Steel

Polyurethane Tube



PU Tube

Ordering Code

PU × **8** × **5** - **B** - **100M**

Model code: PU Tube, Tube dia: OD, Tube dia: ID, Tube color: B, Tube length: 100m/roll (above 8mm)

Applications: Pneumatic system, air tools; Vacuum; Automation; Plant Instrumentation; Paint supply Lines; Construction applications; Motion control devices

Specification: Model: PU, Working Medium: Compressed air, Working-Pressure: 0~1.0MPa, Service temperature range: -20~80°C, Durometer: 95 or 98 A

Feature

The Polyurethane tube excels in water-resistant, resistance, weathering resistance and low temperature resistance. It is more flexibility and kink resistance, also the price is cheaper, more suitable to service piping with strict temperature requirements (compared with our Nylon series tube).

Specification

Model	O.D. (mm)	I.D. (mm)	Thickness (mm)	Length M/Roll	Min. bend radius at 20°C (mm)	Min. burst pressure bar at 20°C (bar)	Max. working pressure at 20°C (bar)
PU 4x2.5	4	2.5	0.75	200	10	30	10
PU 6x4	6	4	1.00	200	15	30	10
PU 8x5	8	5	1.50	100	20	30	10
PU 10x6.5	10	6.5	1.75	100	30	30	10
PU 12x8	12	8	2.00	100	35	30	10
PU 16x12	16	12	2.00	100	65	24	8

Above lists are just referred the most basic sizes or styles of our products to you. Note: 1/4", 5/16", 3/8", 1/2", 3/16" and other special sizes are also available.

Color

Color	Transparent	Black	Orange	Blue	Dark blue	Sky blue	Clear blue	Green	Red	Yellow	Grey	Milk white
Code	C	B	O	BU	DB	SB	CB	GN	RD	YW	GY	MW
Supplid	●	●	●	●	◆	◆	◆	◆	◆	◆	◆	◆

● means our standard colours of tubing normally have enough stocks.
◆ means the colours of tubing can be produced if ordered quantity meets our requested (contact us for details).

PUL Series Polyurethane Spiral Tube

PU Spiral Tube



Ordering Code

PUL × **8** × **5** - **7** - **O**

Model code: PUL Spiral Type, Outer dia.: 8, Inner dia.: 5, Length (m): 7, Tube Color: O

Feature: Coiling Tube is suitable for piping of air guns, air screwdrivers and other air tools. Piping of movable parts can be achieved within ed space without distorting the joints.

Length Spes

2	3	5	7	10	14	20
2m	3m	5m	7m	10m	14m	20m

Polyethylene Tube



PE Tube

Ordering Code

PE × **8** × **5** - **B** - **100M**
 Model code Tube dia Tube dia Tube color Tube length
 PE Tube OD ID 200m/roll:(4mm,6mm)
 100m/roll:(above 8mm)

Applications

- Pneumatic system,air tools
- Vacuum
- Automation
- Plant Instrumentation
- Paint supply Lines
- Construction applications
- Motion control devices

Specification

Model	PE
Working Medium	Compressed air
Working-Pressure	0~1.0MPa
Service temperature range	-20-60℃
Durometer	80-92 Shore A

Feature

The Polyethylene tube excels in water-resistant, resistance, weathering resistance and low temperature resistance. It is more flexibility and kink resistance, also the price is cheaper, more suitable to service piping with strict temperature requirements (compared with our Nylon series tube).

Specification

Model	O.D.(mm)	I.D.(mm)	Thickness(mm)	Length M/Roll	Min. burst pressure bar at 20℃ (bar)	Max. working pressure at 20℃ (bar)
PE 4x2.5	4	2.5	0.75	200	24	8
PE 6x4	6	4	1.00	200	24	8
PE 8x5	8	5	1.50	100	24	8
PE 10x7.5	10	7.5	1.25	100	24	8
PE 12x9	12	9	1.5	100	24	8
PE 1/4	6.35	4	1.175	200	24	8
PE 3/8	9.52	6.35	1.585	100	24	8
PE 1/2	12.7	8.46	2.12	100	24	8

■ Above lists are just referred the most basic sizes or styles of our products to you. Note: 1/4", 5/16", 3/8", 1/2", 3/16" and other special sizes are also available.

Color

Color	Transparent	Black	Orange	Blue	Dark blue	Sky blue	Clear blue	Green	Red	Yellow	Grey	Milk white
Code	C	B	O	BU	DB	SB	CB	GN	RD	YW	GY	MW
Supplid	●	●	●	●	◆	◆	◆	◆	◆	◆	◆	◆

● means our standard colours of tubing normally have enough stocks.

◆ means the colours of tubing can be produced if ordered quantity meets our requested (contact us for details).

Nylon Tube



NY Tube

Ordering Code

NY × **8** × **6** - **B** - **100M**
 Model code Tube dia Tube dia Tube color Tube length
 NY Tube OD ID 200m/roll:(4mm,6mm)
 100m/roll:(above 8mm)

Applications

- Pneumatic system,air tools
- Vacuum
- Automation
- Plant Instrumentation
- Paint supply Lines
- Construction applications
- Motion control devices

Specification

Model	NY
Working Medium	Compressed air
Working-Pressure	0~1.0MPa
Service temperature range	-40-90℃
Durometer	80-92 Shore A

Feature

This kind of nylon tube, which is available in many colors, shows best pressure resistance and can be used in high-pressure environments. Its excellent chemical, oil and heat resistance result in much wider range of application.

Specification

Model	O.D.(mm)	I.D.(mm)	Thickness(mm)	Length M/Roll	Min. bend radius at 20℃ (mm)	Min. burst pressure bar at 20℃ (bar)	Max. working pressure at 20℃ (bar)
NY 4x2.5	4	2.5	0.75	200	20	90	30
NY 6x4	6	4	1.00	200	30	90	30
NY 8x6	8	6	1.00	100	40	90	30
NY 10x7.5	10	7.5	1.25	100	50	90	30
NY 12x9	12	9	1.50	100	60	90	30
NY 10x8	10	6	1.00	100	60	60	20
NY 12x10	12	10	1.00	100	120	90	20
NY 1/4	6.35	4.2	1.075	200	35	90	30
NY 3/8	9.5	6.35	1.575	100	55	90	30
NY 1/2	12.7	9.6	1.55	100	120	90	30

■ Above lists are just referred the most basic sizes or styles of our products to you.

Note: 1/4", 5/16", 3/8", 1/2", 3/16" and other special sizes are also available.

Color

Color	Natural	Black	Yellow	Milk white	Blue	Clear blue	Red	Green
Code	NT	B	YW	MW	BU	CB	RD	GN
Supplid	●	●	◆	◆	◆	◆	◆	◆

● means our standard colours of tubing normally have enough stocks.

◆ means the colours of tubing can be produced if ordered quantity meets our requested (contact us for details).

HLP Series Pressure Controller

Descriptions

For use with fluorinated refrigerants as well as with a air and water.
 (Allowable Fluid Temp.: -10°C ~+110°C)
 Various contact functions available,
 With SPDT contact mechanism,
 Renovated micro-switch structure ensures the reliable switch function,
 Manual-controlled and no use of other instruments to have a function test,
 Flexible mounting plate suits various kinds of application.
 Our products can substitute for congeneric import products, such as
 JOHNSON、DANFOSS、SAGINOMIYA、3S、RANCO and so on

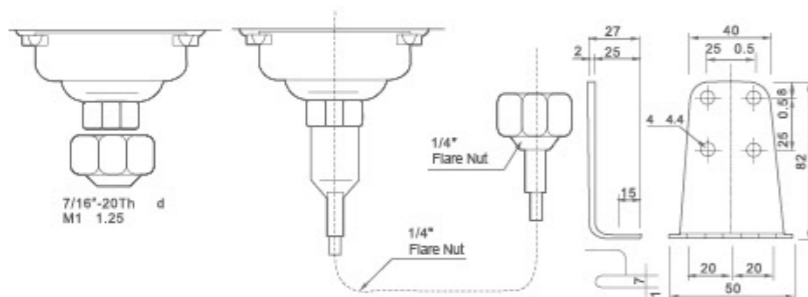


Specification

Model	Range(bar)		Differential(bar)		Factory Setting(bar)		Max. Bellows Press(bar)
	Min.	Max.	Min.	Max.	OFF	ON	
HLP503	-0.7	3	0.2	1.5	2	1	16.5
HLP506	-0.7	6	0.6	4	3	2	16.5
HLP506M	-0.7	6	Duplicate voltage disparity≤1		3	Manual Reset	16.5
HLP110	1	10	1	3	6	5	16.5
HLP516	5	16	1	4	10	8	35
HLP520	5	24	2	5	16	13	35
HLP530D	5	30	5	10	20	15	35
HLP530	8	30	Fixed3-5		20	15-17	35
HLP530M	8	30	Duplicate voltage disparity≤4		20	Manual Reset	35

Model	Press Side	Range(bar)		Differential(bar)		Factory Setting(bar)		Max. Bellows Press(bar)
		Min.	Max.	Min.	Max.	OFF	ON	
HLP830	Low Side	-0.7	6	0.6	4	3	2	16.5
	High Side	8	30	Fixed 3-5		2	15	35
HLP830HM	Low Side	-0.7	6	0.6	4	3	2	16.5
	High Side	8	30	Duplicate voltage disparity≤4		20	Manual Reset	35
HLP830HLM	Low Side	-0.7	6	Duplicate voltage disparity≤4		3	Manual Reset	16.5
	High Side	8	30	Duplicate voltage disparity≤4		20	Manual Reset	35

Way of Connection



Slight Moring Swith's Date

Specified Voltage(V)	Specified Electric Current(A)	
	A.C. 125	A.C. 125
Non-Inductive Current	48	12
Maximum Load	48	12
Twinking Electric Current	228	72

XGT Series Pneumatic Gear Vibrator

Feature

Product Features
 Vibration intensity can be adjusted based on air pressure,can immediately start,stop,fast,low-noise,vibration force,security.

Application
 Feed material conveyor,vibrating screening,vibrating hopper,to help fill packaging,foundry sand mold vibration.

Works
 Copper eccentric gear installed counterweight impact ai intake charge into the gear thrust gear rotates,the eccentric rotation of the centrifugal weight with vibration,the gear driven by a bearing,low noise.



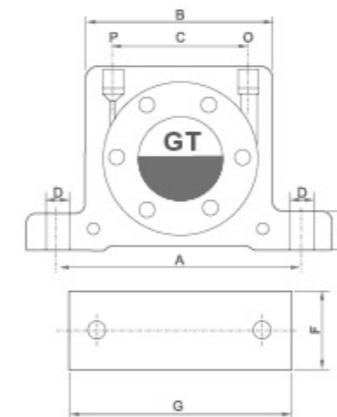
XGT-8

XGT-16

Specification

Model	Frequency(V.P.M)			Vibration power(N)			Air consumption(/min)		
	0.2Mpa	0.4Mpa	0.6Mpa	0.2Mpa	0.4Mpa	0.6Mpa	0.2Mpa	0.4Mpa	0.6Mpa
XGT-8	34.850	42.000	45.500	980	2.100	2.800	46	80	112
XGT-10	27.500	35.000	37.500	840	1.390	2.400	46	80	112
XGT-13	26.000	30.000	33.000	1.400	2.440	3.730	120	200	290
XGT-16	17.000	21.500	24.000	1.220	2.090	3.160	120	200	290
XGT-20	17.000	20.000	23.000	2.170	4.040	5.520	185	325	455
XGT-25	12.000	15.500	17.000	2.120	3.510	5.070	185	325	455
XGT-32	13.000	14.000	16.000	3.380	5.430	7.540	330	530	745
XGT-36	7.800	10.000	13.000	3.300	5.000	7.150	330	530	745
XGT-40	7.500	8.800	9.500	4.350	7.350	9.850	408	428	680
XGT-48	5.800	7.500	9.700	4.950	7.750	10.6007	408	428	680
XGT-60	4.758	6.530	8.515	5.700	9.800	11.150	505	600	920

Overall Dimensions



Dimension Sheet

Model	A	B	C	D	E	F	G	P/O
XGT-8	68	50	28	7	12	35	86	1/8
XGT-10	68	50	28	7	12	35	86	1/8
XGT-13	90	65	39	9	16	43	113	1/4
XGT-16	90	65	39	9	16	43	113	1/4
XGT-20	104	82	56	9	17	56	128	1/4
XGT-25	104	82	56	9	17	56	128	1/4
XGT-32	130	103	76	11	21	73	160	3/8
XGT-36	130	103	76	11	21	73	160	3/8
XGT-40	152	122	85	18	27	80	194	3/8
XGT-48	152	122	85	18	27	80	194	3/8
XGT-60	195	140	96	21	30	95	240	1/2

XK Series Pneumatic Ball Vibrator



XK-10

XK-16

Feature

Product Features

Vibration intensity according to the pressure regulator,affordable,long life,safe,an be used in damp,dust and explosion sites.

Application

Feed material conveyor,vibrating screening,vibrating hopper,to help fill packaging,foundry sand mold vibration.

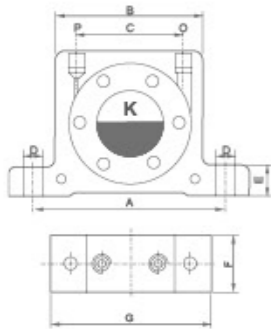
Works

Means of precision steel sleeve and the ball,the outer shell sealed by a special aluminum alloy,to promote the use of air charged into the rotary sleeve in the steel ball weigh ball and the distance between the center of the centrifugal force generated vibration.

Specification

Model	Frequency(V.P.M)			Vibration power(N)			Air consumption(/min)		
	0.2Mpa	0.4Mpa	0.6Mpa	0.2Mpa	0.4Mpa	0.6Mpa	0.2Mpa	0.4Mpa	0.6Mpa
XK-8	22.500	27.250	34.100	245	465	700	90	150	190
XK-10	22.500	27.250	34.100	245	465	700	90	150	190
XK-13	13.250	17.500	19.000	440	820	1.200	100	190	270
XK-16	13.250	17.500	19.000	440	820	1.200	100	190	270
XK-20	10.000	12.750	14.111	950	1.675	2.000	150	270	400
XK-25	10.000	12.750	14.111	950	1.675	2.000	150	270	400
XK-32	7.500	9.350	11.000	2000	3.150	4.000	270	460	680
XK-36	7.500	9.350	11.000	2000	3.150	4.000	270	460	680

Overall Dimensions



Dimension Sheet

Model	A	B	C	D	E	F	G	P/O
XK-8	68	50	28	7	12	22	86	1/4
XK-10	68	50	28	7	12	22	86	1/4
XK-13	90	65	39	9	16	27	113	1/4
XK-16	90	65	39	9	16	27	113	1/4
XK-20	104	82	57	9	17	38	128	1/4
XK-25	104	82	57	9	17	38	128	1/4
XK-32	130	103	76	11	21	50	160	3/8
XK-36	130	103	76	11	21	50	160	3/8

XR Series Roller Vibrator



XR-50

Feature

This small pneumatic vibrator design is simple,but still gives a strong centrifugal force.Body made from an extruded aluminum,refined steel roll in which the scrolling. This steel roller by the two special high-impact plastic cover positioning. The housing has two horizontal and two vertical holes,making installation easy.Air into two mutually perpendicular intake of an entry.The two air intakes for the standard pipe thread.Is not a block intake,supplied with a pipe plug.

Specification

Model	Frequency(V.P.M)			Vibration power(N)			Air consumption(/min)		
	0.2Mpa	0.4Mpa	0.6Mpa	0.2Mpa	0.4Mpa	0.6Mpa	0.2Mpa	0.4Mpa	0.6Mpa
XR-50	25.150	35.150	36.150	1.175	2.955	4.2550	1.550	1.450	1.950
XR-65	19.150	21.150	26.150	2.755	4.855	6.1550	2.150	3.100	4.150
XR-80	15.650	18.650	19.150	3.150	6.125	7.450	4.500	4.350	5.750
XR-100	11.050	14.150	15.150	3.765	6.750	8.955	5.600	5.550	7.350