PAMY

Pneumatic



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AC Series F.R.L combination

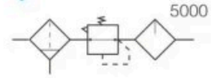


Order Code

AC 2000 – 02 □

Series	Body Size	Port Size	Drain Mode
	1000	M5 | M5	Nil | Semi–Automatic Type
	2000	02 | 1/4"	D | Automatic Type
	3000	03 | 3/8"	
	4000	04 | 1/2"	
	5000	06 | 3/4"	
		10 | 1"	

Symbol



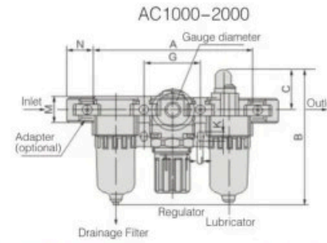
Technical Specification

Proof Pressure	1.5Mpa { 15bar , 217.5psi }
Max. operating pressure	1.0Mpa { 10bar,145psi }
Ambient Temperature	5~60℃(Not Frozen)
Filter Precision	40 μ m
Suggested Lubricating Oil	Turbine No. 1 Oil(ISO VG32)
Bowl Material	PC
Cup Cover	AC1000–2000(Without) AC3000–5000(with)
Range of Regulation	AC1000:0.05–0.7Mpa(7.25–101.5 psi) AC2000–5000:0.05–0.85Mpa(7.25–123 psi)

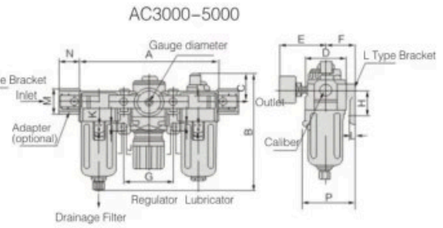
Model		Specifications					
		Combinations			Max. Flow (L/min)	Port Size Rp(PT)	Pressure Gauge SizeRp(PT)
Manual	Automatic	Filter	Regulator	Lubricator			
AC1000–M5	AC1000–M5D	AF1000	AR1000	AL1000	90	M5x0.8	1/16
AC2000–02	AC2000–02D	AF2000	AR2000	AL2000	500	1/4	1/8
AC3000–02	AC3000–02D	AF3000	AR3000	AL3000	2000	1/4	1/8
AC3000–03	AC3000–03D	AF3000	AR3000	AL3000	2000	3/8	1/8
AC4000–03	AC4000–03D	AF4000	AR4000	AL4000	4000	3/8	1/4
AC4000–04	AC4000–04D	AF4000	AR4000	AL4000	4000	1/2	1/4
AC4000–06	AC4000–06D	AF4000	AR4000	AL4000	4500	3/4	1/4
AC5000–06	AC5000–06D	AF5000	AR5000	AL5000	5000	3/4	1/4
AC5000–10	AC5000–10D	AF5000	AR5000	AL5000	5000	1	1/4

Dimension(mm)

AC1000–2000



AC3000–5000



Model	Port Size	A	B	C	D	E	F	G	H	J	K	L	M	N	P	With Auto Drain B
AC1000–M5	M5x0.8	89	87	25	25	33.5	25.5	31	20	4.5	7	3	18	16	41	106
AC2000–01/02	1/8 • 1/4	140	124.5	39	40	53	30	50	24	5.5	8.5	5	22	23	50	146
AC3000–02/03	1/4 • 3/8	182	158	37	53	54.5	41	64	35	6	10	7	34	26	70	197
AC4000–03/04	3/8 • 1/2	238	195	43	70	60	49	84	40	9	13	7	42	33	86	213
AC4000–06	3/4	253	197	43	70	66	51	89	40	9	13	8	48	36	88	215
AC5000–06/10	3/4 • 1	300	272	47	90	70	68	105	50	12	16	10	55	40	–	290

AC Series FR.L combination



Order Code

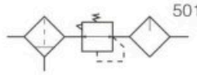
AC	2000	–	02	□
Series	Body Size		Port Size	Drain Mode

Body Size
1010
2010
3010
4010
5010

Port Size	
M5	M5
02	1/4"
03	3/8"
04	1/2"
06	3/4"
10	1"

Drain Mode	
Nil	Semi–Automatic Type
D	Automatic Type

Symbol



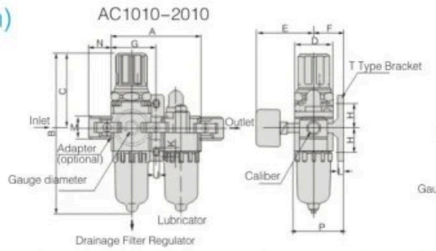
Technical Specification

Proof Pressure	1.5Mpa { 15bar , 217.5psi }
Max. operating pressure	1.0Mpa { 10bar,145psi }
Ambient Temperature	5~60℃(Not Frozen)
Filter Precision	40 μ m
Suggested Lubricating Oil	Turbine No. 1 Oil(ISO VG32)
Bowl Material	PC
Cup Cover	AC1000–2000(Without) AC3000–5000(with)
Range of Regulation	AC1010:0.05–0.7Mpa (7.25–101.5 psi) AC2010–5010:0.05–0.85Mpa (7.25–123 psi)

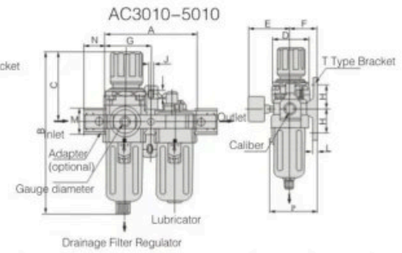
Model		Specifications				
		Combinations		Max. Flow (L/min)	Port Size Rp(PT)	Pressure Gauge SizeRp(PT)
Manual	Automatic	Filter	Lubricator			
AC1010–M5	AC1010–M5D	AW1000	AL1000	90	M5x0.8	1/16
AC2010–02	AC2010–02D	AW2000	AL2000	500	1/4	1/8
AC3010–02	AC3010–02D	AW3000	AL3000	1700	1/4	1/8
AC3010–03	AC3010–03D	AW3000	AL3000	1700	3/8	1/8
AC4010–03	AC4010–03D	AW4000	AL4000	3000	3/8	1/8
AC4010–04	AC4010–04D	AW4000	AL4000	3000	1/2	1/4
AC4010–06	AC4010–06D	AW4000	AL4000	3000	3/4	1/4
AC5010–06	AC5010–06D	AW5000	AL5000	4000	3/4	1/4
AC5010–10	AC5010–10D	AW5000	AL5000	4000	1	1/4

Dimension(mm)

AC1010–2010



AC3010–5010



Model	Port Size	A	B	C	D	E	F	G	H	J	K	L	M	N	P	With Auto Drain B
AC1010–M5	M5x0.8	58	108	50.5	25	33.5	25.5	28	20	4.5	7	3	18	16	41	127
AC2010–01/02	1/8 • 1/4	90	160	74	40	53	30	45	24	5.5	8.5	5	22	23	50	181
AC3010–02/03	1/4 • 3/8	117	207	89	53	54.5	41	58.5	35	6	10	7	34	26	70	245
AC4010–03/04	3/8 • 1/2	155	259	109	70	60	49	77	40	9	13	7	42	33	86	276
AC4010–06	3/4	165	263	111	70	66	51	82	40	9	13	8	48	36	88	281
AC5010–06/10	3/4 • 1	196	339	117	90	70	68	97.5	50	12	16	10	55	40	–	356

AF Series Air filter



Order Code

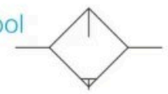
AF	2000	–	02	□
Series	Body Size		Port Size	Drain Mode

Body Size
1000
2000
3000
4000
5000

Port Size	
M5	M5
02	1/4"
03	3/8"
04	1/2"
06	3/4"
10	1"

Drain Mode	
Nil	Semi–Automatic Type
D	Automatic Type

Symbol



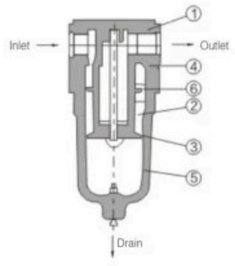
Technical Specification

Proof Pressure	1.5Mpa { 15bar , 217.5psi }
Max. operating pressure	1.0Mpa { 10bar,145psi }
Ambient Temperature	5~60℃(Not Frozen)
Filter Precision	40 μ m
Bowl Material	PC
Cup Cover	AC1000–2000(Without) AC3000–5000(with)

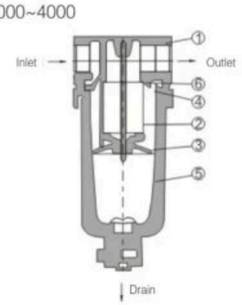
Model		Specifications		
		Max. Flow (L/min)	Port Size Rp(PT)	Cup Combination(cm^2)
Manual	Automatic			
AF1000–M5	AF1000–M5D	110	M5x0.8	4
AF2000–02	AF2000–02D	750	1/4	15
AF3000–02	AF3000–02D	1500	1/4	20
AF3000–03	AF3000–03D	1500	3/8	20
AF4000–03	AF4000–03D	4000	3/8	45
AF4000–04	AF4000–04D	4000	1/2	45
AF4000–06	AF4000–06D	6000	3/4	45
AF5000–06	AF5000–06D	7000	3/4	130
AF5000–10	AF5000–10D	7000	1	130

Structure Charts

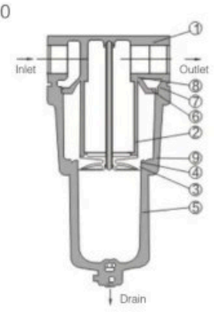
AF1000~2000



AF3000~4000

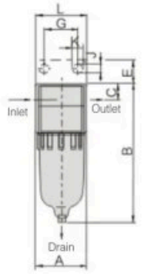


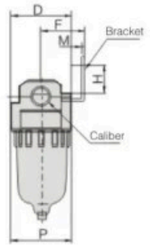
AF5000

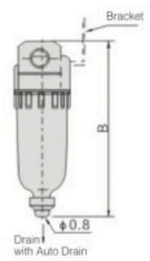


Dimension(mm)

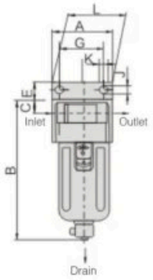
AF1000~2000

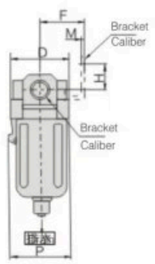


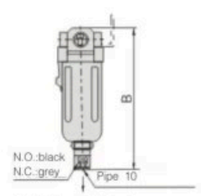




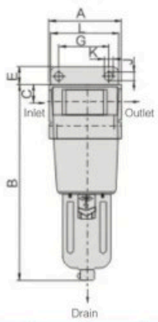
AF3000~4000

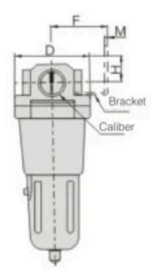


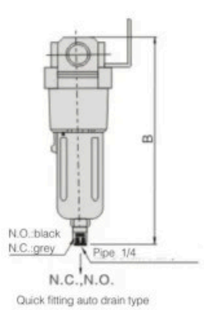




AF5000







Model	Port Size	A	B	C	D	E	F	G	H	J	K	L	M	P	With Auto Drain B
AF1000-M5	M5x0.8	25	68	7.5	25	–	–	–	–	–	–	–	–	25	87
AF2000-01/02	1/8・1/4	40	97.5	11	40	17	30	27	21	5.5	8.5	40	1.8	40	120
AF3000-02/03	1/4・3/8	53	134	14	53	16	41	40	24	6.5	8	53	1.8	55	173
AF4000-03/04	3/8・1/2	70	169	17	70	17	50	51.5	24	8.5	12	69	1.8	72	186
AF4000-06	3/4	75	173	20	70	–	–	–	–	–	–	–	–	72	191
AF5000-06/10	3/4・1	90	248	25	90	–	–	–	–	–	–	–	–	–	266

AW Series Air filter-regulator

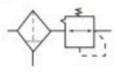


Order Code

AW 2000 – 02 D

Series	Body Size	Port Size	Drain Mode
	1000	M5 | M5	Nil | Semi-Automatic Type
	2000	02 | 1/4"	D | Automatic Type
	3000	03 | 3/8"	
	4000	04 | 1/2"	
	5000	06 | 3/4"	
		10 | 1"	

Symbol



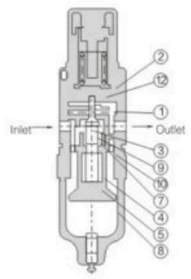
Technical Specification

Proof Pressure	1.5Mpa { 15bar , 217.5psi }
Max. operating pressure	1.0Mpa { 10bar,145psi }
Ambient Temperature	5~60℃(Not Frozen)
Filter Precision	40 μ m,5 μ m(customized)
Bowl Material	PC
Cup Cover	AC1000-2000(Without) AC3000-5000(with)
Range of Regulation	AW1000:0.05-0.7Mpa(7.25-101.5 psi) AW2000-5000:0.05-0.85Mpa(7.25-123 psi)

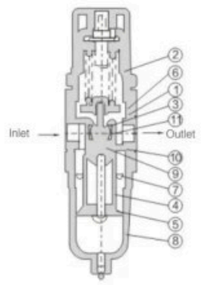
Model		Specifications		
Manual	Automatic	Max. Flow(L/min)	Port SizeRp(PT)	Pressure Gauge SizeRp(PT)
AW1000-M5	AW1000-M5D	100	M5x0.8	1/16
AW2000-02	AW2000-02D	550	1/4	1/8
AW3000-02	AW3000-02D	2000	1/4	1/8
AW3000-03	AW3000-03D	2000	3/8	1/8
AW4000-03	AW4000-03D	4000	3/8	1/4
AW4000-04	AW4000-04D	4000	1/2	1/4
AW4000-06	AW4000-06D	4500	3/4	1/4
AW5000-06	AW5000-06D	5000	3/4	1/4
AW5000-10	AW5000-10D	5000	1	1/4

Structure Charts

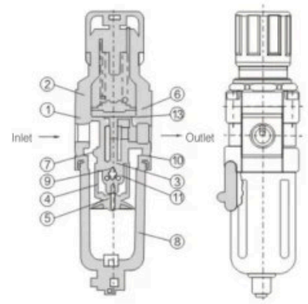
AW1000



AW2000

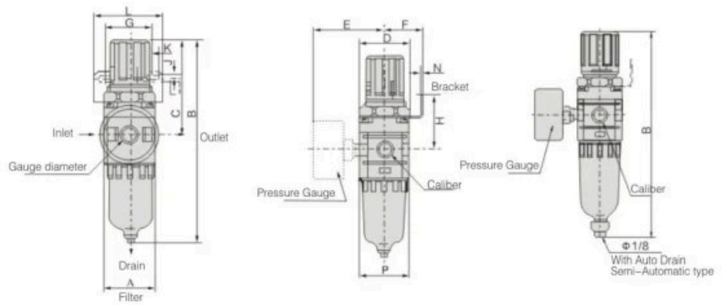


AW3000~4000

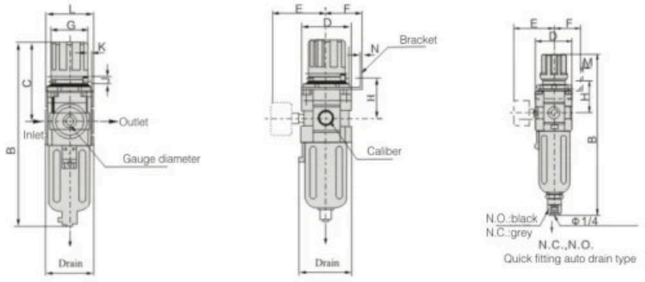


Dimension(mm)

AW1000~2000



AW3000~4000



Model	Port Size	A	B	C	D	E	F	G	H	J	K	L	M	N	P	With Auto Drain B
AW1000-M5	M5x0.8	25	108	50.5	25	33.5	25	28	30	4.5	6.5	40	1.8	18.5	25	127
AW2000-01/02	1/8 • 1/4	40	160	74	40	53	33	33.5	43	5.5	15	55	1.8	33.5	40	181
AW3000-02/03	1/4 • 3/8	53	207	89	53	54.5	41	36	47	6.5	11.5	54	1.8	42.5	55	245
AW4000-03/04	3/8 • 1/2	70	259	109	70	60	49	53	52	8.5	10.5	70	1.8	52.5	72	276
AW4000-06	3/4	75	263	111	70	66	49	53	56	8.5	10.5	70	1.8	52.5	72	281
AW5000-06/10	3/4 • 1	90	339	117	90	70	49	53	62	8.5	10.5	70	1.8	52.5	–	356

AR Series Air Regulator



Order Code

AR	2000	–	02
Series	Body Size		Port Size
	1000		M5 | M5
	2000		02 | 1/4"
	3000		03 | 3/8"
	4000		04 | 1/2"
	5000		06 | 3/4"
			10 | 1"

Symbol

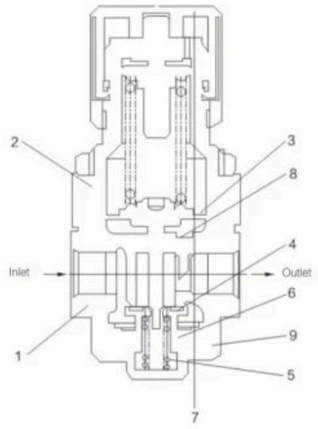


Technical Specification

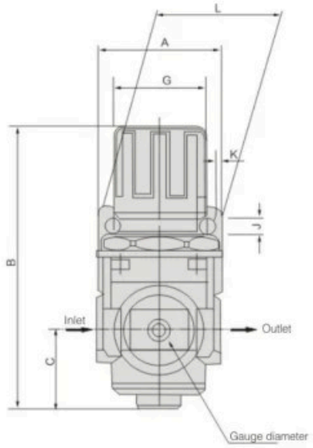
Proof Pressure	1.5Mpa { 15bar , 217.5psi }
Max. operating pressure	1.0Mpa { 10bar,145psi }
Ambient Temperature	5~60℃(Not Frozen)
Range of Regulation	AR1000:0.05~0.7Mpa(7.25~101.5 psi) AR2000~5000:0.05~0.85Mpa(7.25~123 psi)

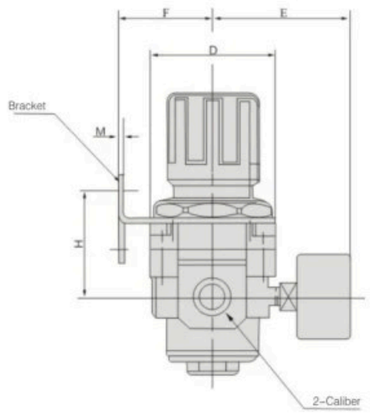
Model	Specifications		
	Max. Flow(L/min)	Port SizeRp(PT)	Pressure Gauge SizeRp(PT)
AR1000-M5	100	M5 × 0.8	1/16
AR2000-02	550	1/4	1/8
AR3000-02	2500	1/4	1/8
AR3000-03	2500	3/8	1/8
AR4000-03	6000	3/8	1/4
AR4000-04	6000	1/2	1/4
AR4000-06	6000	3/4	1/4
AR5000-06	8000	3/4	1/4
AR5000-10	8000	1	1/4

Structure Charts



Dimension(mm)





Model	Port Size	A	B	C	D	E	F	G	H	J	K	L	M	N
AR1000-M5	M5x0.8	25	58	12	25	33.5	25	28	27.5	4.5	6.5	40	1.8	18.5
AR2000-01/02	1/8 • 1/4	40	92	17	40	53	33	33.5	43	5.5	15	55	1.8	33.5
AR3000-02/03	1/4 • 3/8	53	123.5	35	53	54.5	41	36	46	6.5	11.5	54	1.8	42.5
AR4000-03/04	3/8 • 1/2	70	145.5	37.5	70	60	49	53	52	8.5	10.5	70	1.8	52.5
AR4000-06	3/4	75	150	38.5	70	66	49	53	56	8.5	10.5	70	1.8	52.5
AR5000-06/10	3/4 • 1	90	165	48	90	70	49	53	62	8.5	10.5	70	1.8	52.5

Pamy Pneumatics Specialist
Air Source Treatment

AL Series Air Lubricator



Order Code

AL 2000 – 02

Series	Body Size	Port Size
	1000	M5 | M5
	2000	02 | 1/4"
	3000	03 | 3/8"
	4000	04 | 1/2"
	5000	06 | 3/4"
		10 | 1"

Symbol



Technical Specification

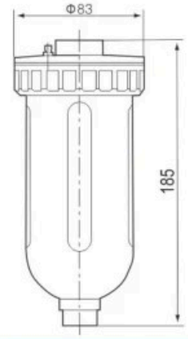
Proof Pressure	1.5Mpa { 15bar , 217.5psi }
Max. operating pressure	1.0Mpa { 10bar,145psi }
Ambient Temperature	5~60℃(Not Frozen)
Suggested Lubricating Oil	Turbine No. 1 Oil(ISO VG32)
Bowl Material	PC
Cup Cover	AC1000-2000(Without) AC3000-5000(with)

Model	Max. Flow(L/min)	Specifications		
		Max. Flow(L/min)	Port SizeRp(PT)	cup combination(cm^2)
AL1000-M5	4	95	M5 × 0.8	7
AL2000-02	15	800	1/4	25
AL3000-02	30	1700	1/4	50
AL3000-03	40	5000	3/8	50
AL4000-03	40	5000	3/8	130
AL4000-04	50	5000	1/2	130
AL4000-06	50	6300	3/4	130
AL5000-06	190	7000	3/4	130
AL5000-10	190	7000	1	130

AD/AH Series Automatic Drain



Dimension(mm)



Symbol



Technical Specification

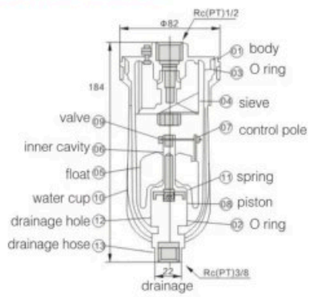
Model		Port Size Rp(PT)	Drain Size Rp(PT)	Pressure Range MPa	Options/Description
AD402	04	1/2"	3/8"	0.15~0.85	Ambient Temperature：-5~60℃(Not Frozen) No need people operating Max. Working pressure: 10Mpa (10.2kgf/cm2) 1.When installing the drainer, the diameter of pipe should be above 10mm, the length not more than 5 meters, and don't make the pipe bending upwards. 2.Compressor power should be more than 3.7kw.
AH402	04	1/2"	3/8"		

NOTICE:

When the drain connect with drainage hose,it required the hose diameter should be bigger than 10mm, the length should be shorter than 5 meters, and keep it down, not up .

The power of the compressor should be greater than 3.7KW

Structure Charts



when there have no pressure in water cup

The float (5) dropped due to the self-weight, The valve (9) closes the cavity hole.

the piston (8) is pressed down by the spring (11), and the condensed water is drained through the drain hole (12).

when there have pressure in water cup

When the pressure is above 1 kgf/cm2, the piston (8) overcomes the upward pressure of the spring (11), so the drain hole (12) is closed and the water cup (10) is separated from the outside world.

when there have condensed water in water cup

When the condensed water is collected to a certain extent, the float (5) rises due to buoyancy and opens the inner cavity. The piston (8) is pressed down by pressure and spring (11), and the condensed water is drained through the drainage hose (13).

Main parts

No.	Model	Standard
1	body	Die-casting aluminum

Specification

No.	Model	Model	Standard
2	O ring	NBR	JIS B2401P-8
3	O ring	NBR	113136
4	sieve	SUS	20062

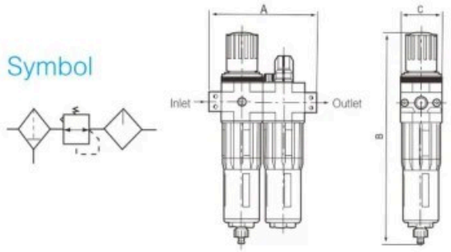
FRC Series FR.L combination



Dimension (mm)

Model	A	B	C
FRC-MIDI-02	140	268	55
FRC-MIDI-03			
FRC-MIDI-04			
FRC-MINI-01	104	210	40
FRC-MINI-02			
FRC-MINI-03			

Symbol



Technical Specification

Model		Components: Filter–Regulator	Components: Lubricator	Port Size Rp(PT)	Filter Accuracy	Max. Flow L/min(ANR)	Pressure Range MPa	Options/Description
FRC-MINI	01	LFR-MINI	LOE-MINI	1/8"	40 μ m	700	0.15~1.2	Manual drain type Ambient Temperature: –5~60℃(Not Frozen) Suggested Lubricating Oil: Turbine No. 1 Oil(ISO VG32) Optional filter accuracy 5 μ m
	02			1/4"		1000		
	03			3/8"		1200		
FRC-MIDI	02	LFR-MIDI	LOE-MIDI	1/4"		1500		
	03			3/8"		2000		
	04			1/2"		2600		

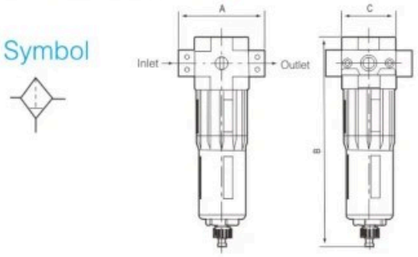
LF Series Air filter



Dimension (mm)

Model	A	B	C
LF-MIDI-02	85	195	55
LF-MIDI-03			
LF-MIDI-04			
LF-MINI-01	64	161	40
LF-MINI-02			
LF-MINI-03			

Symbol



Technical Specification

Model		Port Size Rp(PT)	Filter Accuracy	Max. Flow L/min(ANR)	Pressure Range MPa	Options/Description
LF-MINI	01	1/8"	40 μ m	1000	0.15~1.2	Manual drain type Ambient Temperature: –5~60℃(Not Frozen) Optional filter accuracy 5 μ m
	02	1/4"		1200		
	03	3/8"		1400		
LF-MIDI	02	1/4"		1900		
	03	3/8"		2700		
	04	1/2"		3000		

LR Series Air Regulator

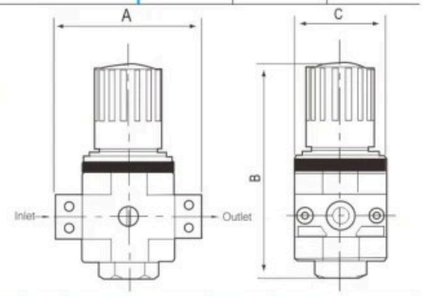


Dimension (mm)

Model	A	B	C
LR-MIDI-02	85	128	55
LR-MIDI-03			
LR-MIDI-04			
LR-MINI-01	64	96	40
LR-MINI-02			
LR-MINI-03			

Symbol





Technical Specification

Model		Port Size Rp(PT)	Max. Flow L/min(ANR)	Pressure Range MPa	Options/Description
LR-MINI	01	1/8"	1000	0.15~1.2	Ambient Temperature: –5~60℃(Not Frozen)
	02	1/4"	1600		
	03	3/8"	1800		
LR-MIDI	02	1/4"	2200		
	03	3/8"	3300		
	04	1/2"	4000		

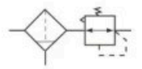
LFR Series Air filter–regulator

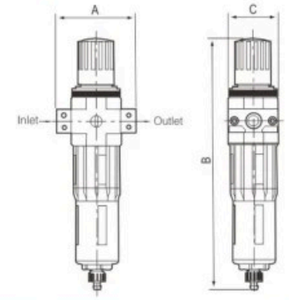


Dimension(mm)

Model	A	B	C
LFR-MIDI-02	85	268	55
LFR-MIDI-03			
LFR-MIDI-04			
LFR-MINI-01	64	210	40
LFR-MINI-02			
LFR-MINI-03			

Symbol





Technical Specification

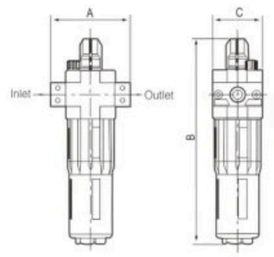
Model		Port Size Rp(PT)	Filter Accuracy	Max. Flow L/min(ANR)	Pressure Range MPa	Options/Description
LFR-MINI	01	1/8"	40 μ m	750	0.15~1.2	Manual drain type Ambient Temperature: –5~60℃(Not Frozen) Optional filter accuracy 5 μ m
	02	1/4"		1400		
	03	3/8"		1600		
LFR-MIDI	02	1/4"		2000		
	03	3/8"		3100		
	04	1/2"		3400		

LOE Series Lubricator



Dimension (mm)

Model	A	B	C
LOE-MIDI-02	85	208	55
LOE-MIDI-03			
LOE-MIDI-04			
LOE-MINI-01	64	169	40
LOE-MINI-02			
LOE-MINI-03			



Symbol



Technical Specification

Model		Port Size Rp(PT)	Max. Flow L/min(ANR)	Min.Flow L/min	Pressure Range MPa	Options/Description
LOE-MINI	01	1/8"	1300	3	0.15~1.2	Ambient Temperature: -5~60℃(Not Frozen) Suggested Lubricating Oil: Turbine No. 1 Oil(ISO VG32)
	02	1/4"	2300			
	03	3/8"	2700			
LOE-MIDI	02	1/4"	2800	8		
	03	3/8"	5500			
	04	1/2"	6100			

IR Series Precision Regulator



Specifications

Sensitivity		within 0.2% of full span
Repeatability		within +– 0.5% of full span
Air consumption	IR2000	MAX flow rate 3.5L/min(ANR) under 1.0MPa pressure
	IR3000	Exhaust hole max flow rate 3L/min (ANR) under Max setting pressure
Ambient Temperature		–5~60℃(Not Frozen)
Max. operating pressure		1. 0MPa
Pressure Gauge Port Size		G1/8

Product feature

small volume, light weight
Regulating screw space width is 0.5MM
Accurate Pressure setting
Install convenience , it can install with bracket separately , or install with modular air filter combinate components AF an AFM directly

Symbol



Order Code

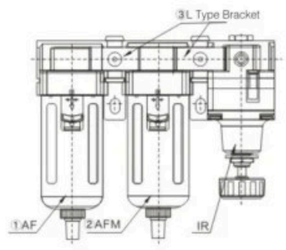
IR 3 0 0 0 – □ 02 G – R

- Series Code: Precision Regulator
- Body Size: 1 IR1000 Series; 2 IR2000 Series; 3 IR3000 Series
- Set Type: 0 Basic Model (manual) Control Valve (ir2000,ir3000 Series); 1
- Pressure Range: IR1000/2000 series setting — 0 0.005–0.2MPa; 1 0.01–0.4MPa; 2 0.01–0.8MPa; IR3000 Series Setting — 0 0.01–0.2MPa; 1 0.01–0.4MPa; 2 0.01–0.8MPa
- Bracket Code: Nil With Bracket; J Without Bracket
- Pipe Thread Type: R G; N NPT; blank Rc
- Port Size: 01 1/8(ONLY IR1000); 02 1/4(ONLY IR2、3000); 03 3/8(ONLY IR3000); 04 1/2(ONLY IR3000)
- Accessories: Blank Without; B With Bracket; G With Gauge
- Remark: Blank Standard Mounting; R Pressure Gauge、bracket Label Stick In Back

Note: The Standard Mounting Position Should Be In Side On The Left, Out Side On The Right . Pressure Gauge And Label In Front And Back, And Mounting Bracket Back .

Technical Specification

Model	Basic Model		
	IR10□0	IR20□0	IR30□0
Max supply pressure	MAX.1.0MPa		
Min supply pressure	Set Pressure +0.05mpa		Set Pressure+0.1mpa
Pressure Range	IR1000:0.005–0.2MPa IR1010:0.01–0.4MPa IR1020:0.01–0.8MPa	IR2000:0.005–0.2MPa IR2010:0.01–0.4MPa IR2020:0.01–0.8MPa	IR3000:0.01–0.2MPa IR3010:0.01–0.4MPa IR3020:0.01–0.8MPa
Input signal pressure	–		
Sensitivity	within 0.2% of full span		
Repeatability	within +– 0.5% of full span		
Straightness	–		
Air consumption (Supply pressure)	4.4L/min(ANR)within	4.4L/min(ANR)within	11.5L/min(ANR)within
Port Size	Rc1/8	Rc1/4	Rc1/4,3/8,1/2
Pressure Gauge Port Size			Rc1/8(2point)
Environment And Fluid Temperature	–5~60℃(Not Frozen)		
Weight(kg)	0.36kg	0.44kg	0.88kg

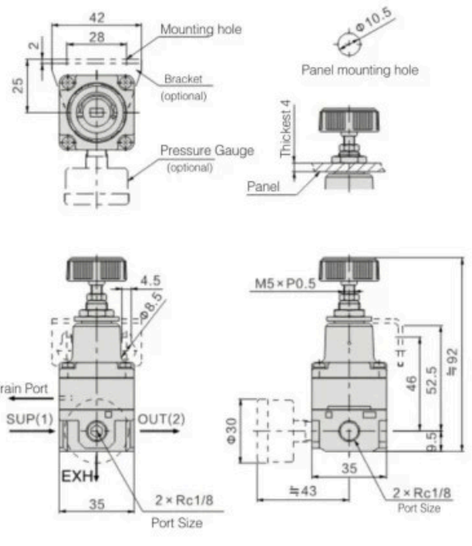


Install In Modular Air Filter Combinate Components

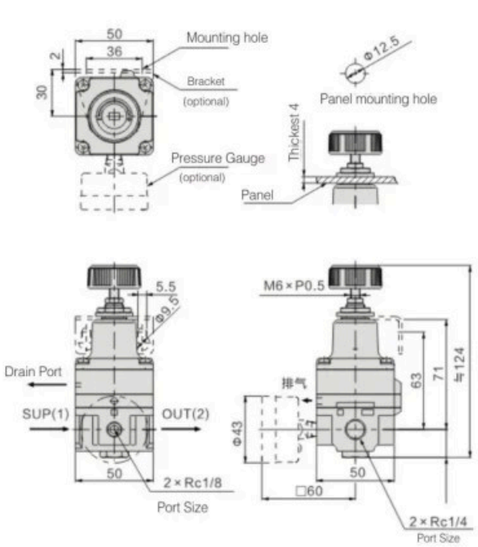
Applicable Products And Accessories	Applicable Models	
	IR20□0	IR30□0
①Air Filter	AF2000	AF3000
②Air lubricator	AFM2000	AFM3000
③L Type Bracket	B210L	B310L
④T Type Bracket	B210T	B310T
⑤Spacer	Y20	Y30
⑥L shape bracket spacer	Y20L	Y30L
⑦T shape bracket spacer	Y20T	Y30T

Dimension (mm)

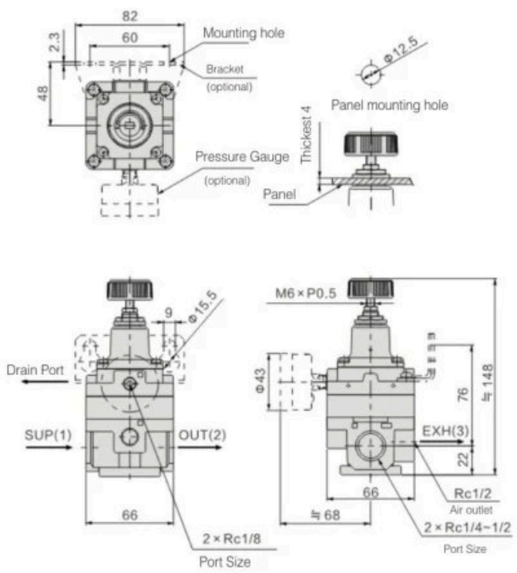
IR10□0-01



IR20□0-01



IR30□0-0□



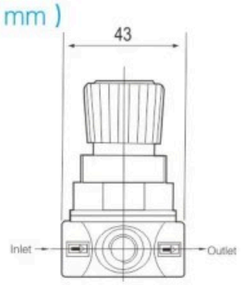
NR200/R200 Air Regulator

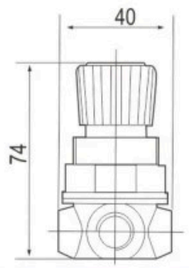


Symbol



Dimension (mm)



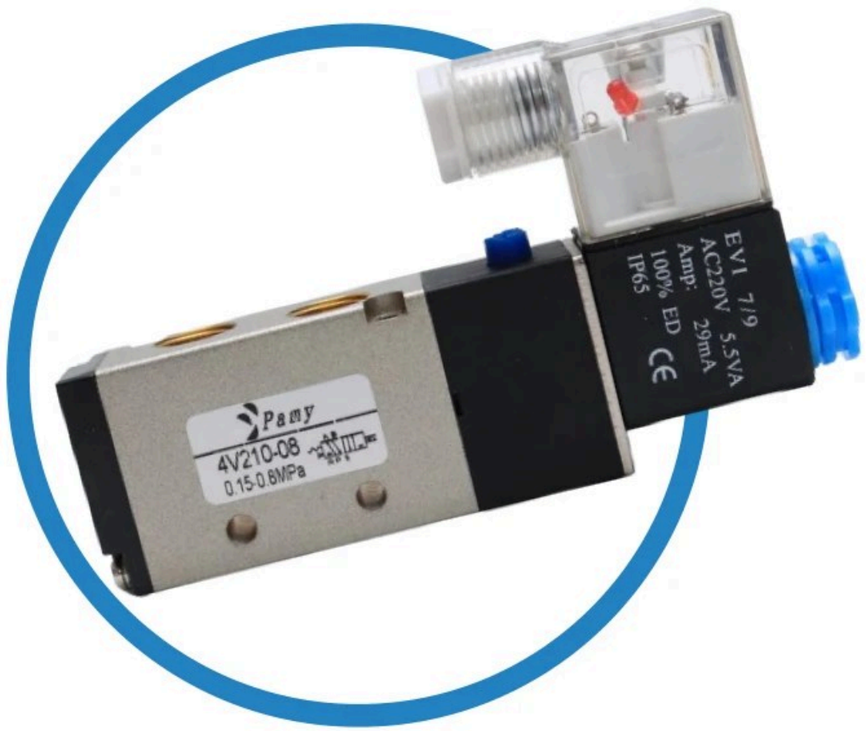


Technical Specification

Model	Port Size Rp(PT)	Max. Flow L/min(ANR)	Pressure Range MPa	Options/Description
NR200-02	1/4"	550	0.15~0.85	B installed fixed frame G with pressure gauge Ambient Tem peratur: -5~60℃(Not Frozen) CU safety valve, when the pressure is higher than the set pressure, automatic pressure relief
NR200-CU	1/4"	1000		
R200-02	1/4"	1200		

PAMY

Pneumatic



CONTROL COMPONENT

3V series Solenoid Valve



Symbol



Technical Specification

Model		Port Size Rc(G)	Coil and Postions	Ways	Pressure Range MPa
3V1	M5	M5	Single coil double positions	3/2 way	0.15~0.8
	06	1/8"			
3V110	M5	M5	Single coil double positions		
	06	1/8"			
3V120	M5	M5	Double coils double positions		
	06	1/8"			
3V210	06	1/8"	Single coil double positions		
	08	1/4"			
3V220	06	1/8"	Double coils double positions		
	08	1/4"			
3V310	08	1/4"	Single coil double positions		
	10	3/8"			
3V320	08	1/4"	Double coils double positions		
	10	3/8"			
3V410	10	3/8"	Single coil double positions		
	15	1/2"			
3V420	10	3/8"	Double coils double positions		
	15	1/2"			

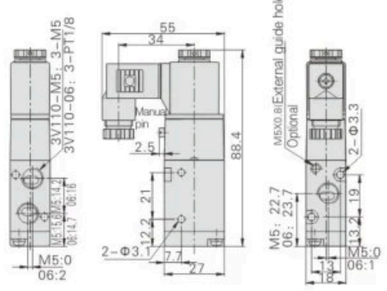
Order Code

3V 2 10 08 NO □ □ □

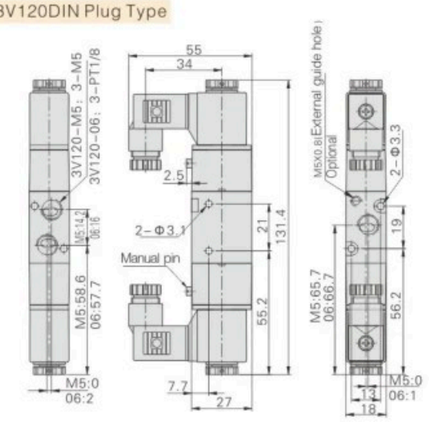
model code	Series	Electric control mode	Port Size	Initial state	Voltage	Connecting Type	Port Size
3V:3/2 way	1.100 series 2.200 series 3.300 series 4.400 series	10:Double positions single electric control 20:Double positions double electric control	M5 M5 06 1/8" 08 1/4" 10 3/8" 15 1/2"	NC:Normally closed type NO:Normally open type	A: AC220V B: DC24V C: AC110V E: AC24V F: DC12V	NIL:Plug Type I:Wiring type	Nil:G Port PT Port NPT

Dimension (mm)

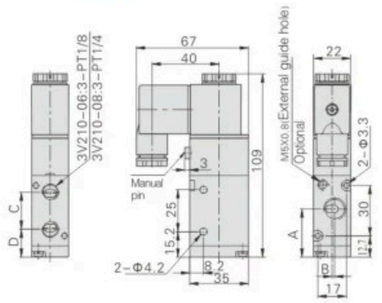
3V110DIN Plug Type



3V120DIN Plug Type

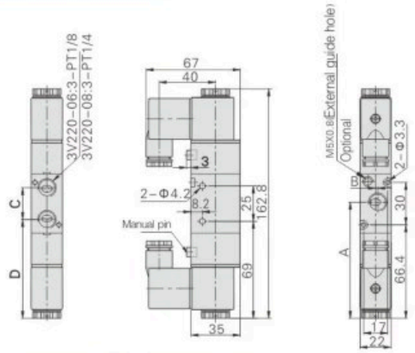


3V210DIN Plug Type



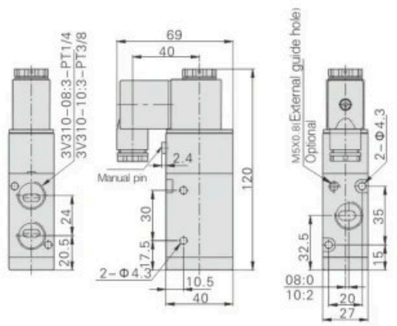
Symbol/type	3V210-06	3V210-08
A	27.7	28.7
B	0	1.5
C	22	22.5
D	16.7	16.5

3V220DIN Plug Type

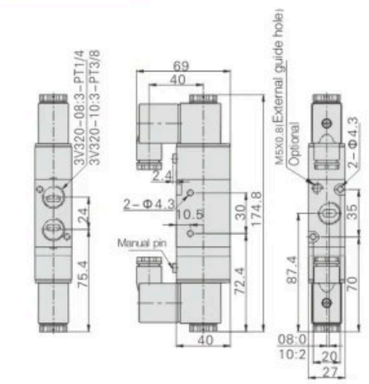


Symbol/type	3V220-06	3V220-08
A	81.4	82.4
B	0	1.5
C	22	22.5
D	70.4	70.2

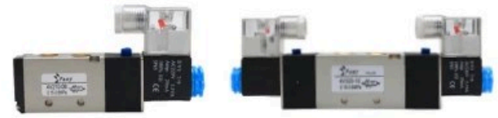
3V310DIN Plug Type



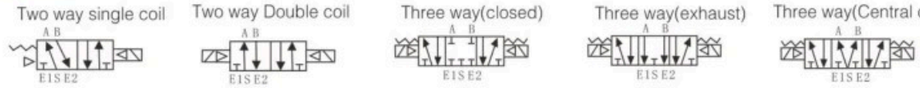
3V320DIN Plug Type



4V series Solenoid Valve



Symbol



Technical Specification

Model		Port Size Rc(G)	Coil And Postions	Ways	Pressure Range MPa
4V110	M5	M5	Single Coil Double Positions	5/2 Way	0.15~0.8
	06	1/8"			
4V120	M5	M5	Double Coils Double Positions	5/2 Way	
	06	1/8"			
4V210	06	1/8"	Single Coil Double Positions	5/2 Way	
	08	1/4"			
4V220	06	1/8"	Double Coils Double Positions	5/2 Way	
	08	1/4"			
4V310	08	1/4"	Single Coil Double Positions	5/2 Way	
	10	3/8"			
4V320	08	1/8"	Double Coils Double Positions	5/2 Way	
	10	1/4"			
4V410	10	3/8"	Single Coil Double Positions	5/2 Way	
	15	1/2"			
4V420	10	3/8"	Double Coils Double Positions	5/2 Way	
	15	1/2"			
4V130	M5	M5	Double Coil Three Positions	5/2 Way	0.15~0.8 C : Closed Type E : Exhaust type P : Pressurized Type
	06	1/8"			
4V230	06	1/8"	Double Coil Three Positions	5/2 Way	
	08	1/4"			
4V330	08	1/8"	Double Coil Three Positions	5/2 Way	
	10	3/8"			
4V430	10	3/8"	Double Coil Three Positions	5/2 Way	
	15	1/2"			

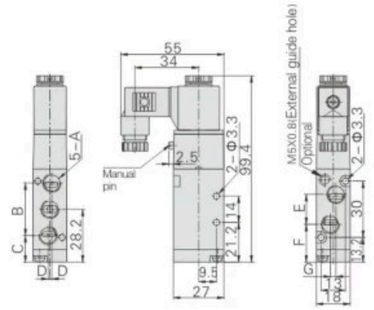
Order Code

4V 2 10 08 □ □ □

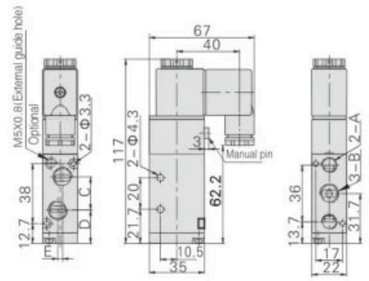
model code	Series	Electric control mode	Port Size	Voltage	Connecting Type	Port Size
4V: 5/2 way 5/3 way	1.100 series 2.200 series 3.300 series 4.400 series	10:Double positions single electric control 20:Double positions double electric control 30C:Three positions double electric control closed type 30E:Three positions double electric control exhaust type 30P:Three positions double electric control Pressurized type	M5 M5 06 1/8" 08 1/4" 10 3/8" 15 1/2"	A: AC220V B: DC24V C: AC110V E: AC24V F: DC12V	Nil:DIN Plug Type I:Wiring type	Nil:G Port PT Port NPT

Dimension (mm)

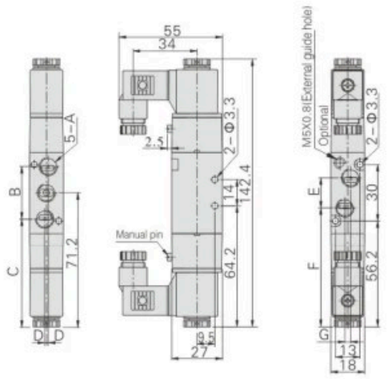
4V110DIN Plug Type



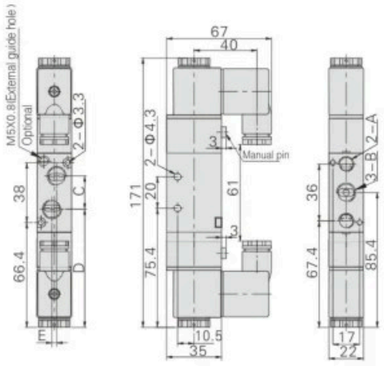
4V210DIN Plug Type



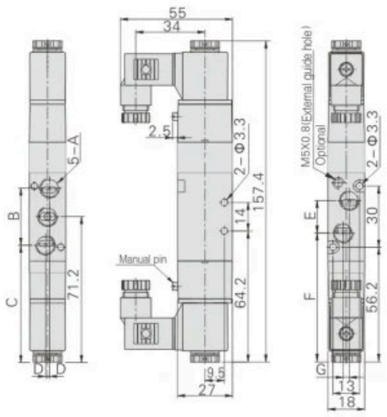
4V120DIN Plug Type



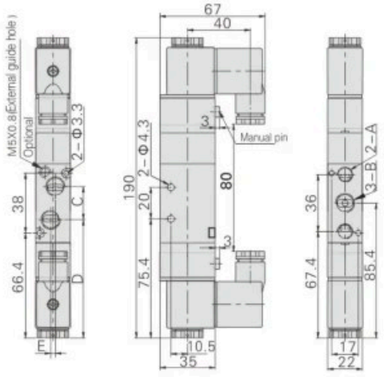
4V220DIN Plug Type



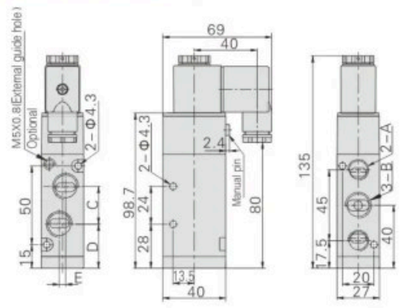
4V130DIN Plug Type



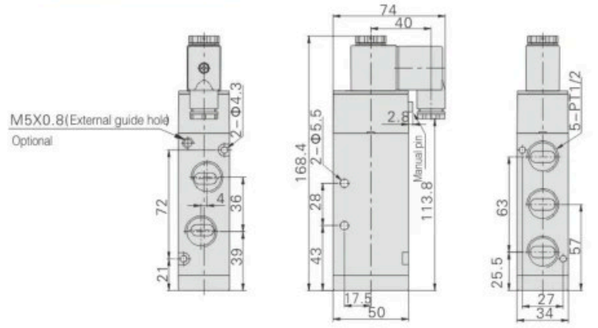
4V230DIN Plug Type



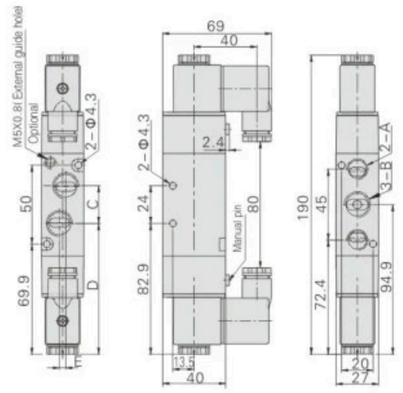
4V310DIN Plug Type



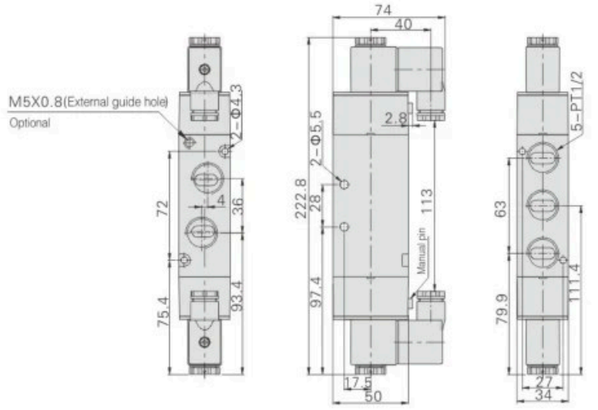
4V410DIN Plug Type



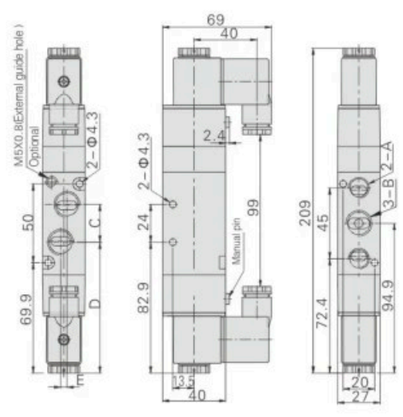
4V320DIN Plug Type



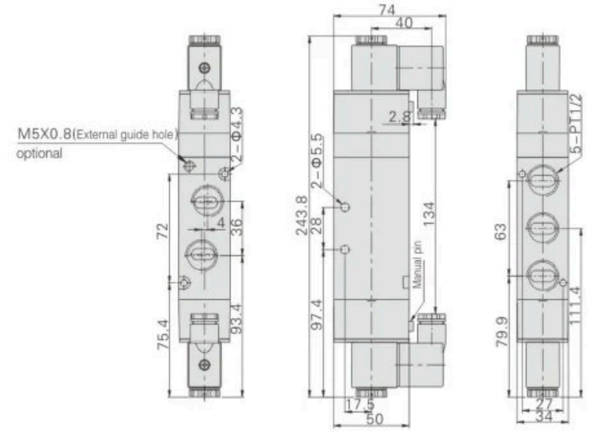
4V420DIN Plug Type



4V330DIN Plug Type



4V430DIN Plug Type



4M series Solenoid Valve

Symbol





Technical Specification

Model		Port Size Rc(G)	Coil and Postions	Ways	Pressure Range MPa
4M210	06	1/8"	Single coil double positions	5/2 way	0.15~0.8
	08	1/4"			
4M220	06	1/8"	Double coils double positions	5/2 way	
	08	1/4"			
4M310	08	1/4"	Single coil double positions	5/2 way	
	10	3/8"			
4M320	08	1/4"	Double coils double positions	5/2 way	
	10	3/8"			
4M230	06	1/8"	Double Coil Three Positions	5/3 way	0.15~0.8 Closed Type Exhaust Type Pressurized Type
	08	1/4"			
4M330	08	1/4"	Double Coil Three Positions	5/3 way	
	10	3/8"			

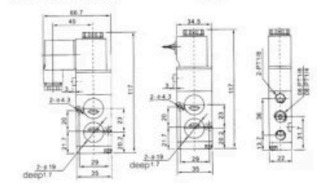
Order Code

4M 3 10 10 □ □ □

Model Code	Series	Electric control mode	Port Size	Voltage	Connecting Type	Port Size
4M: 5/2 way 5/3 way	2.200 series	10: Double positions single electric control	06: 1/8" 08: 1/4"	A: AC220V B: DC24V C: AC110V E: AC24V F: DC12V	Nil:DIN Plug Type I:Wiring type	Nil:GPort PT Port NPT
	3.300 series	20: Double positions double electric control	08: 1/4" 10: 3/8"			

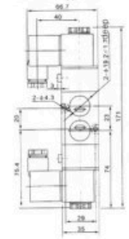
Dimension (mm)

4M210 Terminal Type

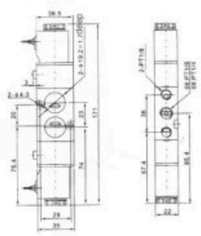


Wiring type

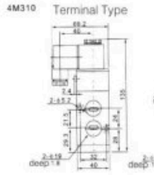
4M220 Terminal Type



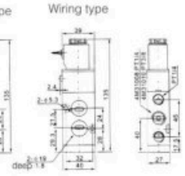
Wiring type



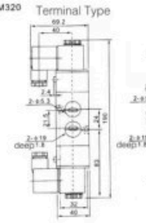
4M310 Terminal Type



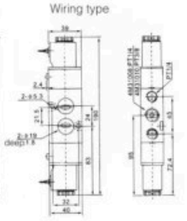
Wiring type



4M320 Terminal Type



Wiring type



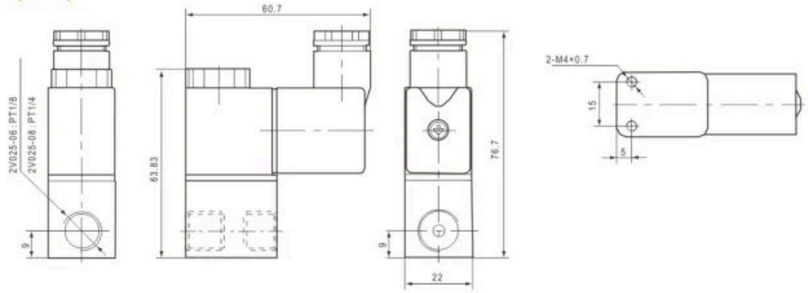
2V series Solenoid Valve



Technical Specification

Model		Port Size Rc(G)	Coils and Positions	Ways	Working pressure range MPa
2V025	06	1/8"	Single coil double positions	2/2 way	0.15~0.8
	08	1/4"			

Dimension(mm)



Solenoid Valve Coil

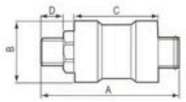


Technical Specification

Model	Max. Flow L/min(ANR)
AC220V	with terminal
	with wire
AC110	with terminal
	with wire
DC24V	with terminal
	with wire
DC12V	with terminal
	with wire

HSV series slide Valve





Order Code

HSV	-	06	SF
Series Code		Port Size	Thread Type
MS:Aluminum		06:1/8"	SS:Double Male Thread Type
BNS:Brass		08:1/4"	SF:Male and female Thread Type
		10:3/8"	FF:Double Female Thread Type
		15:1/2"	

Technical Specification

Model		HSV-06SF/SS/FF	HSV-08SF/SS/FF	HSV-10SF/SS/FF	HSV-15SF/SS/FF
Fluid		Air			
Port Size		1/8"	1/4"	3/8"	1/2"
Proof Pressure		0~1.0MPa			
Working temperature range		-5~60℃(Not Frozen)			
Main Material	Body	HSV: Aluminum Alloy BHSV: Brass			
	O ring	NBR			

Dimension(mm)

Model	A	B	C	D
HSV-08SF	59	26	32	11.3
HSV-10SF	59	31	32	11.3
HSV-15SF	91	39	49	12

3A series Air Control Valve

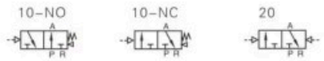


Order Code

3V 2 10 08 NO □

model code	series	Mode of air control	Port Size	Original status	Port Size
3/2 way	1.100 series 2.200 series 3.300 series 4.400 series	10:Double positions Single control 20:Double positions Double control	M5 M5 06 1/8" 08 1/4" 10 3/8" 15 1/2"	NC:Normally closed type NO:Normally open type	blank:G Port PT Port NPT

Symbol

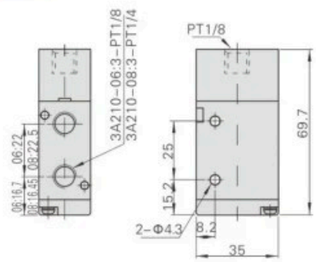


Technical Specification

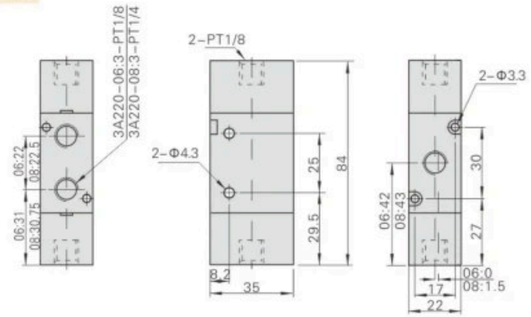
Model		Port Size Rc(G)	Switching Mode	Ways	Working pressure range MPa
3A110	M5	M5	Air	3/2 way	0.15~0.8
	06	1/8"			
3A120	M5	M5			
	06	1/8"			
3A210	06	1/8"			
	08	1/4"			
3A220	06	1/8"			
	08	1/4"			
3A310	08	1/4"			
	10	3/8"			
3A320	08	1/4"			
	10	3/8"			
3A410	10	3/8"			
	15	1/2"			
3A420	10	3/8"			
	15	1/2"			

Dimension(mm)

3A210



3A220



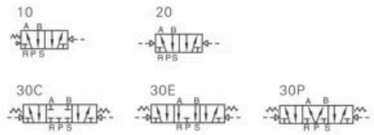
4A series Air Control Valve



Dimension (mm)

Model	4A110-M5	4A110-06
A	M5x0.8	G1/8
B	27	28
C	14.6	14.1
D	0	2
E	30	30
F	13.1	13.1
G	0	3

Symbol



Order Code

4A 2 10 08 □

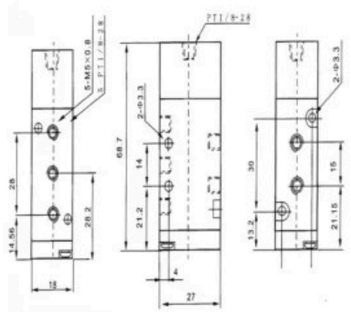
model code	series	Electric control mode	Port Size	Port Size
4A: 3/2 way 3/5 way	1.100 series 2.200 series 3.300 series 4.400 series	10:Double positions single electric control 20:Double positions double electric control 30C:Three positions double electric control closed type 30E:Three positions double electric control exhaust type 30P:Three positions double electric control Pressurized type	M5 M5 06 1/8" 08 1/4" 10 3/8" 15 1/2"	blank:G Port PT Port NPT

Technical Specification

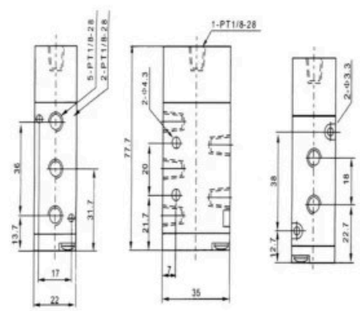
Model		Port Size Rc(G)	Switching Mode	Ways	Working pressure range MPa
4A110	M5	M5	Air	3/2 way	0.15~0.8
	06	1/8"			
4A120	M5	M5			
	06	1/8"			
4A210	06	1/8"			
	08	1/4"			
4A220	06	1/8"			
	08	1/4"			
4A310	08	1/4"			
	10	3/8"			
4A320	08	1/4"			
	10	3/8"			
4A410	15	1/2"			
4A420	15	1/2"			
4A130	M5	M5		5/3 way	0.15~0.8 C:Closed Type E:Exhaust Type P:Pressurized Type
	06	1/8"			
4A230	06	1/8"			
	08	1/4"			
4A330	08	1/4"			
	10	3/8"			
4A430	10	3/8"			
	15	1/2"			

Pamy Pneumatics Specialist
Control Components

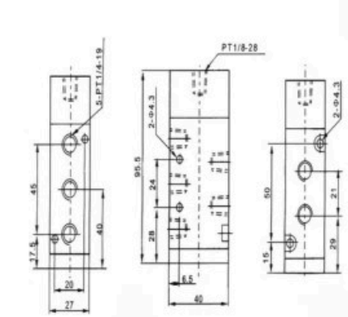
4A110-M5(06)



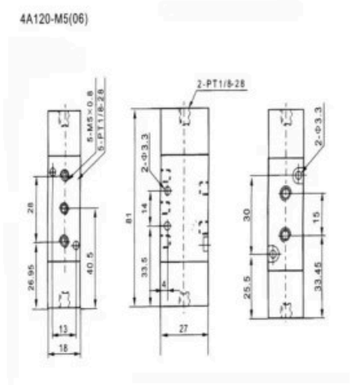
4A210-06(08)



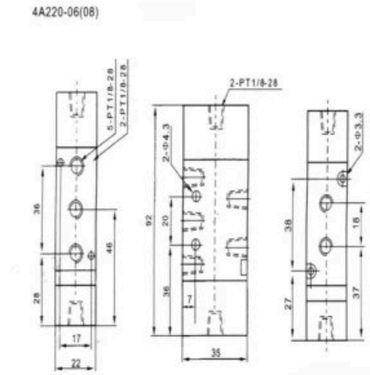
4A310-08(10)



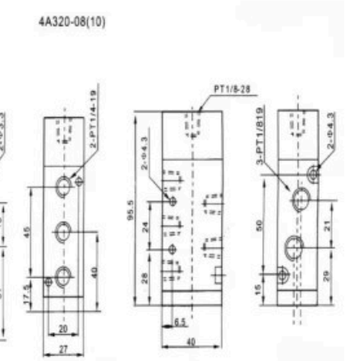
4A120-M5(06)



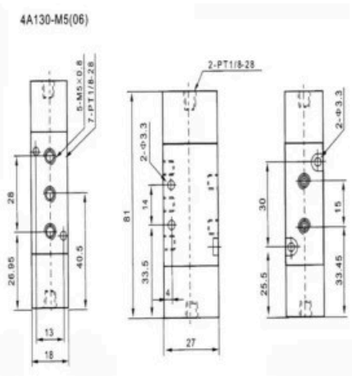
4A220-06(08)



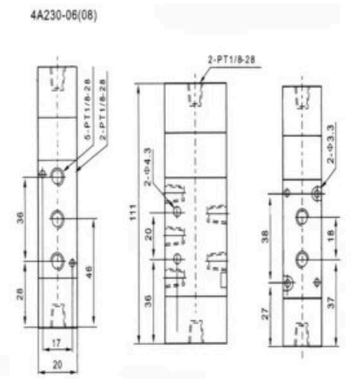
4A320-08(10)



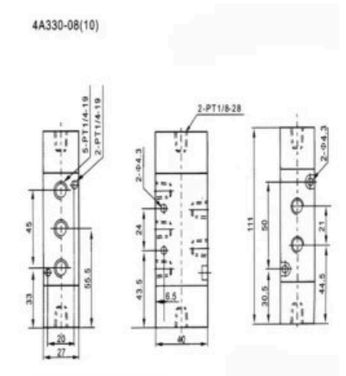
4A130-M5(06)



4A230-06(08)



4A330-08(10)



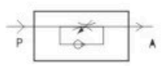
ASC series Flow Control Valve



Technical Specification

Model		ASC -06	ASC -08	ASC -10	ASC -15
Working Fluid		Air			
Port Size		1/8"	1/4"	3/8"	1/2"
Pressure Range		0~1.0MPa			
Temperature Range		-5~60℃(Not Frozen)			
Main Material	Body	Aluminum alloy			
	Oring	NBR			

Symbol

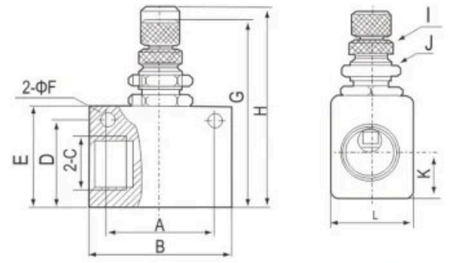


Order Code

ASC200 - 06

Series

Port Size
06:1/8"
08:1/4"
10:3/8"
15:1/2"



Dimension(mm)

Model	A	B	C	D	E	F	G	H	K	L
ASC100-06	22	32	1/8	18	23	4.3	45.7	52.3	10	18
ASC200-08	26	36	1/4	22	27	4.3	49.7	56.3	12	18
ASC300-10	30	40	3/8	24	29	4.3	51.7	58.3	13	12
ASC300-15										

RE series Flow Control Valve



Technical Specification

Model		RE-01	RE-02	RE-03	RE-04
Working Fluid		Air			
Port Size		1/8"	1/4"	3/8"	1/2"
Pressure Range		0~1.0MPa			
Temperature Range		-5~60℃(Not Frozen)			
Main Material	Body	Aluminum alloy			
	Oring	NBR			

Symbol

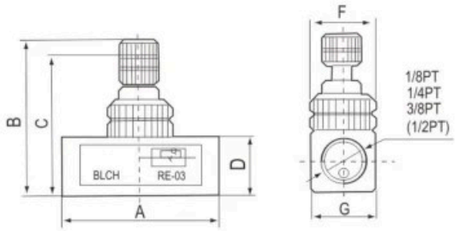


Order Code

RE - 01

Series

Port Size
01:1/8"
02:1/4"
03:3/8"
04:1/2"



Dimension(mm)

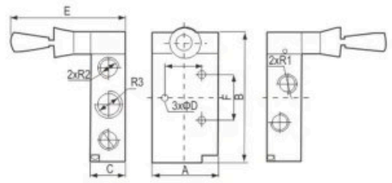
Model	A	B	C	D	F	G
RE-01	43	48	44	19	18	19
RE-02	43	48	44	19	18	19
RE-03	56.4	63	53	25	24	25
RE-04	56.4	63	53	25	24	25

3H/4H series Hand Lever Valve

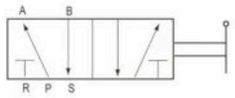


Dimension(mm)

Model	ϕD	A	B	C	E	F	J	R1	R2	R3
4H210-08	4	35	76.3	22	94.5	21	21	R1/4	R1/4	R3/8
4H310-10	4	40	92	27	100	28	28	R3/8	R3/8	R3/8
4H410-15	5.5	50	12.4	34	105	28.2	34.6	R3/8	R3/8	R3/8



Symbol



Order Code

3H/4H	2	10	-	08
3H:2/3	Series Code	Position Code		Port Size
3/2 way	1:100 series	10:single and		06:1/8"
4H:2/5	2:200 series	double positions		08:1/4"
5/2 way	3:300 series			10:3/8"
	4:400 series			15:1/2"

Specification

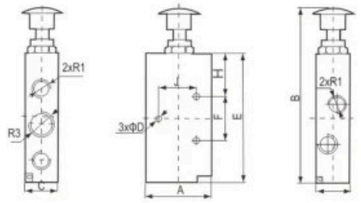
Model		3H210-06/08 4H210-06/08	3H310-08/10 4H310-08/10	3H410-10/15 4H410-10/15
Working Fluid		Air		
Working Mode		Direct Acting type		
CV Value(mm^2)		16(CV=0.89)	25(CV=1.4)	30(CV=1.68)
Port Size		1/4"	3/8"	1/2"
Working pressure range		0~0.8MPa		
Working temperature range		–5~60℃(Not Frozen)		
Operating Angle		± 5		
Main Material	Body	Aluminum Alloy		
	O ring	NBR		

3L/4L series Hand Valve

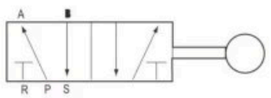


Dimension(mm)

Model	ϕD	A	B	C	E	F	J	H	R1	R2	R3
4L210-08	4	35	100	22	63	20	21	17	1/8	1/4	1/4
4L310-10	4	40	116	27	95	24.3	28	19	1/4	3/8	3/8
4L410-15	5.5	50	154	34	114.3	28	35	24	3/8	1/2	1/2



Symbol



Order Code

4L	2	100	-	08
3L:2/3	Series Code	Position Code		Port Size
3/2 way	1:100 series	10:single and		06:1/8"
4L:2/5	2:200 series	double positions		08:1/4"
5/2 way	3:300 series			10:3/8"
	4:400 series			15:1/2"

Specification

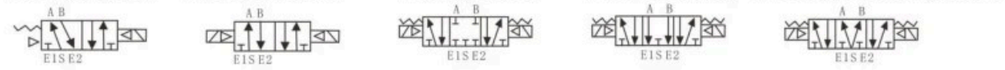
Model		3L110-M5/06 4L110-M5/06	3L210-06/08 4L210-06/08	3L310-08/10 4L310-08/10	3L410-10/15 4L410-10/15
Working Fluid		Air			
Working Mode		Direct Acting type			
CV Value(mm^2)		16(CV=0.89)	16(CV=0.89)	25(CV=1.4)	30(CV=1.68)
Port Size		1/8"	1/4"	3/8"	1/2"
Working pressure range		0~0.8MPa			
Working temperature range		–5~60℃(Not Frozen)			
Operating Angle		± 5			
Main Material	Body	Aluminum Alloy			
	O ring	NBR			

DS3000/VF3000 series Solenoid Valve

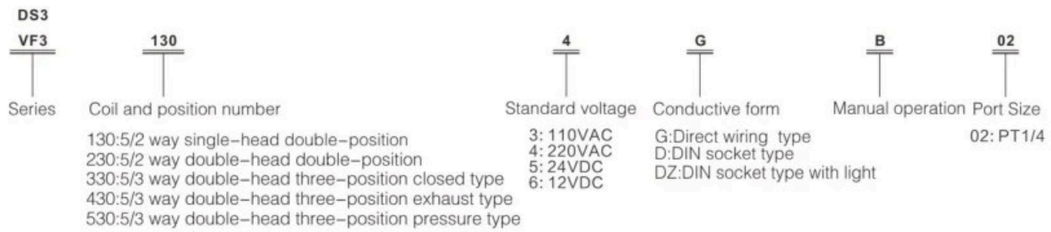




Symbol



Order Code



Technical Specification

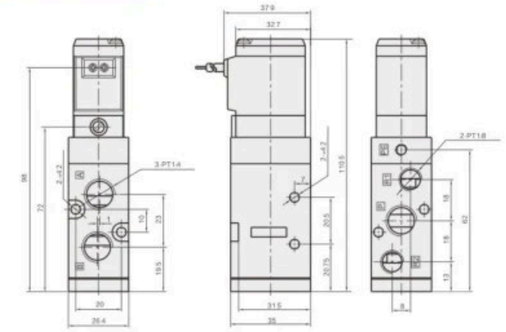
Fluid	Air
Ambient Temperature	Max 50℃
lubrication	No need
Manual operation	Screwdriver locked type
Shock resistance	30G/5G(8.3~2000Hz)
Seal	Dust proof

Connecting Type		Direct wiring type/DIN socket type
Standard voltage		AC：110V，220V(50Hz) DC:12V,24V
Voltage variation range		–15%~+10% of rated voltage
Insulation over voltage		Grade B or equivalent
Power consumption	AC	Start:5.6VA,Lasting:3.4VA
	DC	1.8W/2W(With indicator light)
Over voltage suppressor		Ac: varistor,DC: diode
Indicator light		Ac: neon lamp,DC: light emitting diode

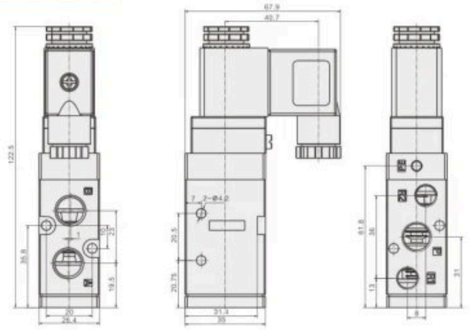
Model	Specifications							
	Number of position	Electromagnetic coil	Operating pressure range kgf/cm^2(Mpa)	Reaction time (ms)	Max operation frequency (times/second)	Port Size	Effective cross-sectional area:mm^2 (CV value)	Weight (Kgf)
DS/VF3130-□△B-02	2	Single coil	1.5~9(0.15~0.9)	30 or less	5	PT1/4	17.1(0.95)	0.21
DS/VF3230-□△B-02	2	Double coils	1~9(0.1~0.9)	30 or less	5	PT1/4	17.1(0.95)	0.29
DS/VF3330-□△B-02	3	Double(Central closed)	1~9(0.1~0.9)	50 or less	3	PT1/4	13.5(0.75)	0.42
DS/VF3430-□△B-02	3	Double(Central exaust)	1~9(0.1~0.9)	50 or less	3	PT1/4	17.1(0.95)	0.42
DS/VF3530-□△B-02	3	Double(Central pressurization)	1~9(0.1~0.9)	50 or less	3	PT1/4	16.2(0.9)	0.42

Dimension(mm)

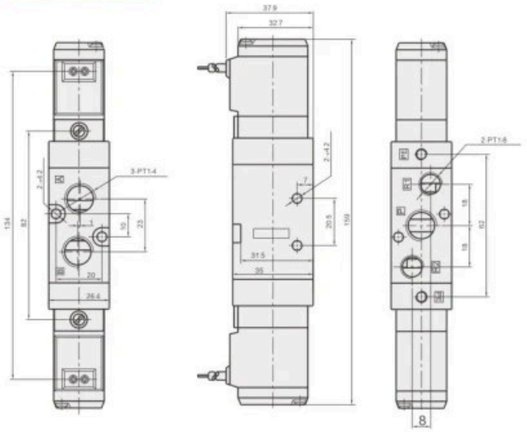
3130 Wiring type



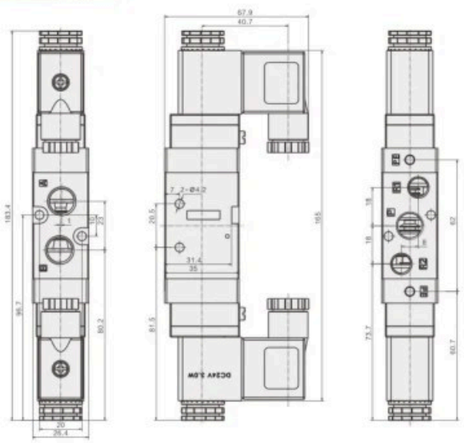
3130 Plug Type



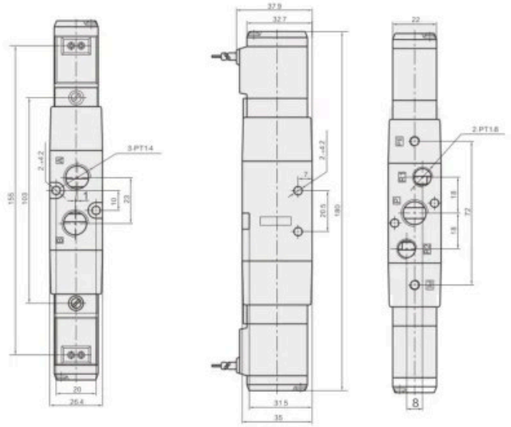
3230 Wiring type



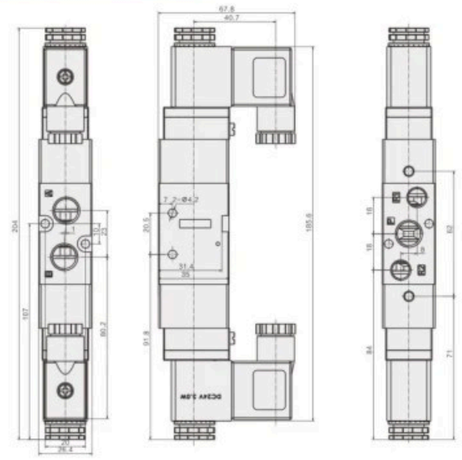
3230 Plug Type



3330/3430/3530 Wiring type



3330/3430/3530 Plug Type

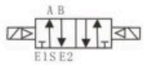


DS5000/VF5000 series Solenoid Valve





Symbol

Two way single coil	Two way Double coil	Three way(closed)	Three way(exhaust)	Three way(Central compression)
				

Order Code

DS5
VF5 — 120 — 4 — G — B — 03

- Series
- Coil and position number
  - 120:5/2 way single coil double position
  - 220:5/2 way double coil double position
  - 320:5/3 way double coil three-position closed type
  - 420:5/3 way double coil three-position exhaust type
  - 520:5/3 way double coil three-position pressurized type
- Standard voltage
  - 3: 110VAC
  - 4: 220VAC
  - 5: 24VDC
  - 6: 12VDC
- Conductive form
  - G:Direct wiring type
  - D:DIN socket type
  - DZ:DIN socket type with light
- Manual operation
- Port Size
  - 03: PT3/8

Technical Specification

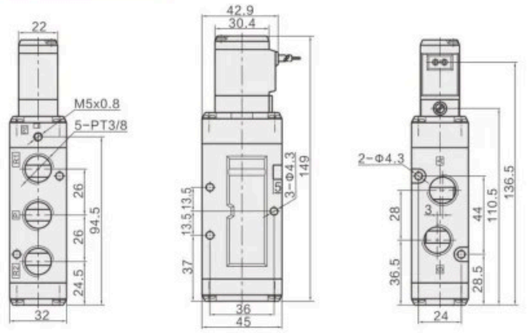
Fluid	Air
Ambient Temperature	Max 50℃
lubrication	No need
Manual operation	Screwdriver locked type
Shock resistance	30G/5G(8.3~2000Hz)
Seal	Dust proof

Connecting Type		Direct wiring type/DIN socket type
Standard voltage		AC： 110V，220V(50Hz) DC:12V,24V
Voltage variation range		−15%~+10% of rated voltage
Insulation over voltage		Grade B or equivalent
Power consumption	AC	Start:5.6VA,Lasting:3.4VA
	DC	1.8W/2W(With indicator light)
Over voltage suppressor		Ac: varistor,DC: diode
Indicator light		Ac: neon lamp,DC: light emitting diode

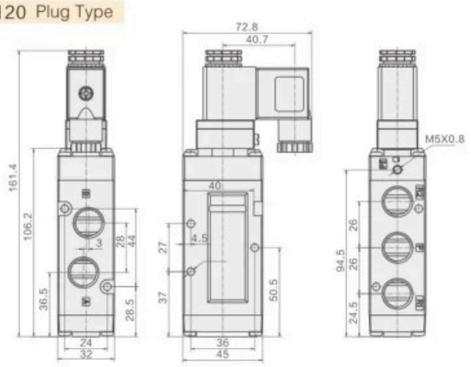
Model	Specifications							
	Number of position	Electromagnetic coil	Operating pressure range kgf/cm²(Mpa)	Reaction time (ms)	Max operation frequency (times/second)	Port Size	Effective cross-sectional area mm² (CV value)	Weight (Kgf)
DS5/VF5120−□△B−02	2	Single coil	1.5~9(0.15~0.8)	30 or less	5	PT3/8	45(2.5)	0.38
DS5/VF5220−□△B−02	2	Double coils	1~9(0.1~0.9)	30 or less	5	PT3/8	45(2.5)	0.45
DS5/VF5320−□△B−02	3	Double(Central closed)	1~9(0.1~0.9)	50 or less	3	PT3/8	36(2)	0.53
DS5/VF5420−□△B−02	3	Double(Central exaust)	1~9(0.1~0.9)	50 or less	3	PT3/8	41.4(2.3)	0.53
DS5/VF5520−□△B−02	3	Double(Central pressurization)	1~9(0.1~0.9)	50 or less	3	PT3/8	36(2)	0.53

Dimension(mm)

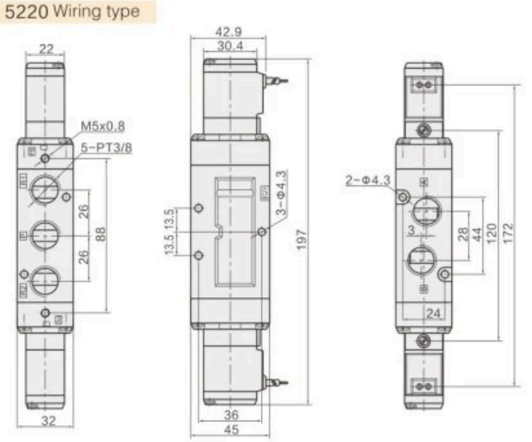
5120 Wiring type



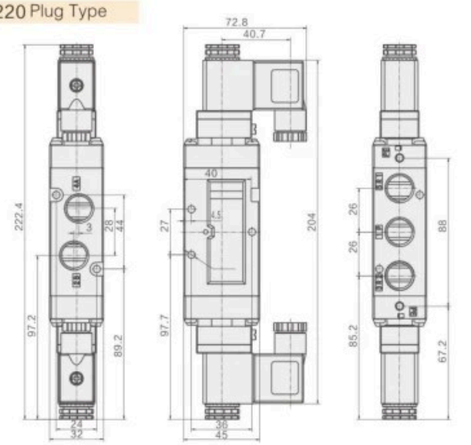
5120 Plug Type



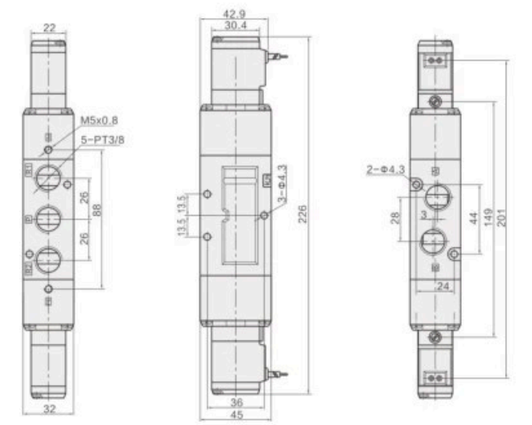
5220 Wiring type



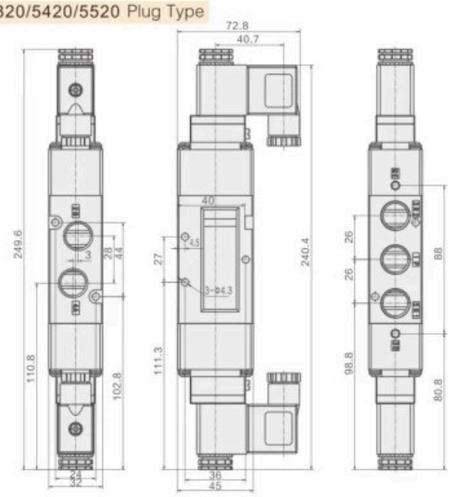
5220 Plug Type



5320/5420/5520 Wiring type



5320/5420/5520 Plug Type



Manifold series



Technical Specification

Model	3V100M	3V200M	3V300M
Working Fluid	Air(to be filtered by 40μm filter element)		
Temperature Range	-5~60℃(Not Frozen)		
Applicable valve body series	3V100Series	3V200 Series	3V300 Series

Product Feature

1、The same series of directional control valves can be integrated into the valve group to save space and cost

2、Unified air intake and exhaust, unified wiring, easy to find fault

3、Flexible combination and strong expansibility. The number of directional control valves connected can be arbitrarily combined or expanded

Order Code

The model expression method includes base and block plate

Base model representation

3V100M – **5F** – □

- 3V100M: Series
  - 3V100M: 100 Base series
  - 3V200M: 200 Base series
  - 3V300M: 300 Base series
- 5F: connection code
  - 1F: 1pcs
  - 2F: 2pcs
  - ··· ··· ···
  - 16F: 16pcs
- □: Port Size
  - blank: PT Port
  - T: NPT Port
  - G: G Port

block plate code

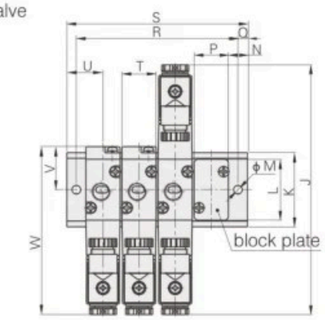
3V100M – **B**

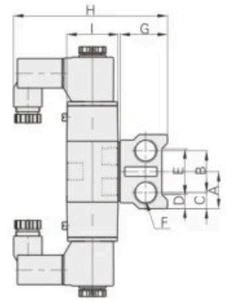
- 3V100M: Specification code
  - 3V100M: 100 Base series
  - 3V200M: 200 Base series
  - 3V300M: 300 Base series
- B: Block plate code
  - B: base of plate code

remarks: 1、The base assembly includes base, gasket and screw
2、The bloke plate assembly includes base, gasket and screw

Dimension(mm)

For 3v series solenoid valve





Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	P	Q	T	U	V	W
3V100M	19.5	22	8.5	7.5	24	G1/4	25	81	27	131.4	39	32	4.5	10	18	5	18	19	22.7	88.4
3V200M	22.5	25	10	8	29	G1/4	25	92.7	35	162.4	45	40	4.5	12	22	6	22	23	27.7	109.4
3V300M	26	28	12	8	36	G3/8	29	99.2	40	174.8	52	47	4.5	13.5	27	6	27	27	32.5	119.9

Model	R															
	1F	2F	3F	4F	5F	6F	7F	8F	9F	10F	11F	12F	13F	14F	15F	16F
3V100M	28	47	66	85	104	123	142	161	180	199	218	237	256	275	294	313
3V200M	34	57	80	103	126	149	172	195	218	241	264	287	310	333	356	379
3V300M	42	70	98	126	154	182	210	238	266	294	322	350	378	406	434	462

Model	S															
	1F	2F	3F	4F	5F	6F	7F	8F	9F	10F	11F	12F	13F	14F	15F	16F
3V100M	38	57	76	95	114	133	152	171	190	209	228	247	266	285	304	323
3V200M	46	69	92	115	138	161	184	207	230	253	276	299	322	345	368	391
3V300M	54	82	110	138	166	194	222	250	278	306	334	390	390	418	446	474

2W series Solenoid Valve

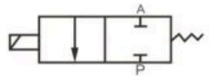


Order Code

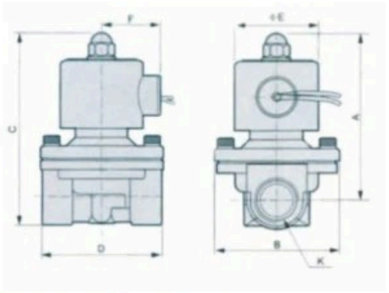
2W 025 — 10 — AC110V — D

- **025** — flow diameter
  - 015:1.2mm
  - 025:2mm
  - 025:2.5mm
  - 040:4.0mm
  - 160:16mm
  - 200:20mm
  - 250:25mm
  - 350:35mm
  - 400:40mm
  - 500:50mm
- **10** — port size
  - 06:1/8"
  - 08:1/4"
  - 10:3/8"
  - 15:1/2"
  - 20:3/4"
  - 25:1"
  - 35:1＇/4"
  - 40:1＇/2"
  - 50:2"
- No：Normal opened
  Nc：Normal closed
- **AC110V** — Standard Voltage
  - DC12V
  - DC24V
  - AC24V 50/60Hz
  - AC36V 50/60Hz
  - AC110V 50/60Hz
  - AC220V 50/60Hz
  - AC380V 50/60Hz
- **D** — wiring Form
  - empty：Lead wire coil
  - D：joint connector
  - N：explosion– proof coil
  - E：water– proof coil

Symbol



Dimension(mm)



Model	A	B	C	D	K(PT)
2W025–06	66	30.3	75	40.5	1/8"
2W025–08	66	30.3	75	40.5	1/4"
2W040–10	74	32.2	85.5	52.5	3/8"
2W160–15	101.5	57	117	69	1/2"
2W200–20	107	57	123.5	73	3/4"
2W250–25	111.5	73.5	134.5	99	1"
2W350–35	142	95	172	123	11/4"
2W400–40	142	95	172	123	11/2"
2W500–50	172	123	209	168	2"

Technical Specification

Model	Working Fluid	Action type	model type	flow diameter mm	Cv value	port size	working fluid viscosity	Operating pressure kgf/cm²	Max working pressure kgf/cm²	working temperature ℃	operating voltage range	body material	seal ring material
2W025–06	air water gas oil	direct current type	normal closed	2.5	0.23	1/8"	20CST 以下 (Below) 50CST 以下 (Below)	0–7 water"0–7 air"0–7 oil "0–5 gas"0–7	10 10.5	5–80	± 10%	2W: BRASS; 2S: Stainless steel	NBR EPDM OR VITON
2W025–08				2.5	0.23	1/4"							
2W040–10				4	0.6	3/8"							
2W160–15				16	4.8	1/2"							
2W200–20				20	7.6	3/4"							
2W250–25				25	12	1"							
2W350–35				35	24	1/4"							
2W400–40				40	29	1/2"							
2W500–50				50	48	2"							

Non–standard voltage and specification pls contact us

2L series Solenoid Valve

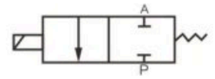


Order Code

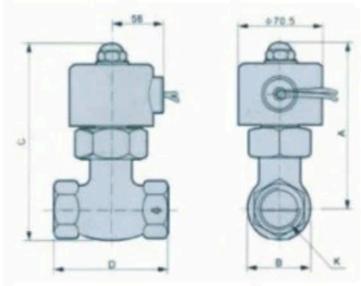
2L 170 — 15 — AC110V — F

- **2L** — Specification Code:
  2L:Steam type two positon two way solenoid valve
- **170** — flow diameter
  - 170:17mm
  - 200:22mm
  - 300:30mm
  - 500:50mm
- **15** — port size
  - 10:3/8"
  - 15:1/2"
  - 20:3/4"
  - 25:1"
  - 35:11/4"
  - 40:11/2"
  - 50:2"
- **AC110V** — standard voltage
  - DC12V
  - DC24V
  - AC24V 50/60Hz
  - AC36V 50/60Hz
  - AC110V 50/60Hz
  - AC220V 50/60Hz
  - AC380V 50/60Hz
- **F** — Wiring Form;
  Blank:Lead Wire Type
  F:Join Connector

Symbol



Dimension(mm)



Model	A	B	C	D	K(PT)
2L170–10	125	42	146	82	3/8"
2L170–10	125	42	146	82	1/2"
2L170–10	125	42	146	82	3/4"
2L170–10	136	52	162	90.5	1"
2L170–10	148	74	185	111	1–1/4"
2L170–10	148	74	183	111	1–1/2"
2L170–10	176	94.5	223	163	2"

Technical Specification

Model	Working Fluid	Action type	model type	flow diameter mm	Cv value	port size	working fluid viscosity	Operating pressure kgf/cm²	Max working pressure kgf/cm²	working temperature ℃	operating voltage range	body material	seal ring material
2L170–10	Air, Water, Steam	Guide Drive	Normal Close Type	17	4.8	3/8"	20CST (Below)	1–15	22.5	–5–180℃	± 10%	Brass	(PTFE)
2L170–15				17	4.8	1/2"							
2L170–20				17	4.8	3/4"							
2L200–25				22	12	1"							
2L300–35				30	20	1–1/4"							
2L300–40				30	20	1–1/2"							
2L500–50				50	48	2"							

Non–standard voltage and specification pls contact us

2S series Solenoid Valve



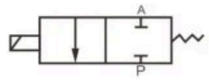
Order Code

2S **050** — **10** — **AC110V** — **D**

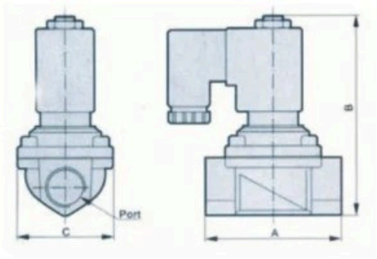
- **050** — flow diameter
  - 015:1.2mm
  - 020:2mm
  - 025:2.5mm
  - 040:4.0mm
  - 160:16mm
  - 200:20mm
  - 250:25mm
  - 350:35mm
  - 400:40mm
  - 500:50mm
- **10** — port size
  - 06:1/8"
  - 08:1/4"
  - 10:3/8"
  - 15:1/2"
  - 20:3/4"
  - 25:1"
  - 35:1/4"
  - 40:1/2"
  - 50:2"
- **AC110V** — standard voltage
  - DC12V
  - DC24V
  - AC24V 50/60Hz
  - AC36V 50/60Hz
  - AC110V 50/60Hz
  - AC220V 50/60Hz
  - AC380V 50/60Hz
- **D** — Wiring Form:
  - Blank：Lead Wire Type
  - D：Join Connector
  - E：Blast–proof Coil
  - G：Water–proof Coil

Specification Code:
2S:two positon two way solenoid valve(direct drive type)

Symbol



Dimension(mm)



Model	A	B	C	D	K(PT)
2S025–06	66	30.3	75	40.5	1/8"
2S025–08	66	30.3	75	40.5	1/4"
2S025–10	74	32.2	85.5	52.5	3/8"
2S025–15	101.5	57	117	69	1/2"
2S025–20	107	57	123.5	73	3/4"
2S025–25	111.5	373.5	134.5	99	1"
2S025–35	142	95	172	123	11/4"
2S025–40	142	95	172	123	11/2"
2S025–50	172	123	209	168	2"

Technical Specification

Model	Working Fluid	Action type	model type	flow diameter mm	Cv value	port size	working fluid viscosity	Operating pressure kgf/cm²	Max working pressure kgf/cm²	working temperature ℃	operating voltage range	body material	seal ring material
2S025–06	Air, Water, Steam	Guide Drive	Normal Close Type	2.5	0.23	1/8"	20CST (Below) 50CST (Below)	0–7 Wrter "0–5 Air "0–7 Oil "0–5 Gas "0–7	10 10.5	5–80	± 10%	2W: BRASS; 2S Stainless Steel	NBR EPDM OR VITON
2S025–08				2.5	0.23	1/4"							
2S040–10				4	0.6	3/8"							
2S160–15				16	4.8	1/2"							
2S200–20				20	7.6	3/4"							
2S250–25				25	12	1"							
2S350–35				35	24	1/4"							
2S400–40				40	29	1/2"							
2S500–50				50	48	2"							

Non–standard voltage and specification pls contact us

PU series Solenoid Valve



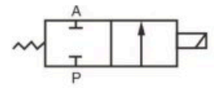
Order Code

PU **220** — **03** — **AC220V**

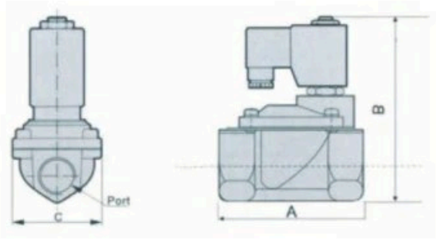
- **220** — 220:Guide Type
- **03** — port size
  - 03:3/8"
  - 04:1/2"
  - 06:3/4"
  - 08:1"
  - 12:1–1/4"
  - 14:1–1/2"
  - 20:2"
- **AC220V** — standard voltage
  - AC220V
  - AC110V
  - DC12V
  - DC24V

Specification Code:
PU:two positon two way solenoid valve
SPU:stainless steel two positon two way solenoid valve

Symbol



Dimension(mm)



Model	port size	A	B	S
PU220–03	3/8"	66.5	106.5	48
PU220–04	1/2"	66.5	106.5	48
PU220–06	3/4"	96	126	70
PU220–08	1"	96	126	70
PU220–12	1–1/4"	131	145.5	96
PU220–14	1–1/2"	131	145.5	96
PU220–20	2"	160	160.5	112

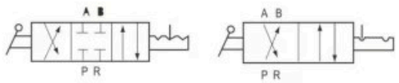
Technical Specification

Model	Working Fluid	Action type	model type	flow diameter mm	Cv value	port size	body material	working fluid viscosity	Operating pressure kgf/cm²	Max working pressure kgf/cm²	working temperature ℃
PU220–03	Air, Water, Oil	Guide Type	Normal Close Type	13	4.5	3/8"	Brass	50CST	0.5–10	15	–5–80℃
PU220–04				13	4.5	1/2"					
PU220–06				25	12	3/4"					
PU220–08				25	12	1"					
PU220–12				38	22	1–1/4"					
PU220–14				38	30	1–1/2"					
PU220–20				50	48	2"					

Non–standard voltage and specification pls contact us

4HV series Hand Valve





Order Code

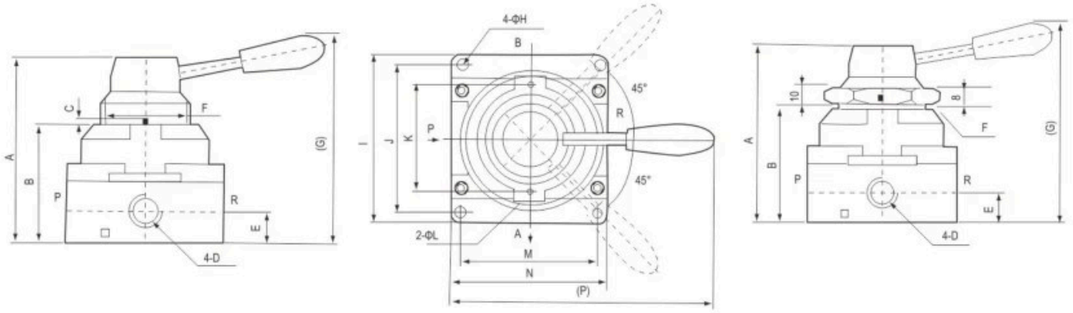
4HV	2	30
Model	Series 2:2Series 3:3Series 4:4Series	Positions 10:4 port 2 position 30:4 port 3 position

Technical Specification

Model		4HV2□□-06	4HV2□□-08	4HV3□□-08	4HV3□□-10	4HV4□□-15	4HV4□□-20
Working Fluid		Air					
Positions		4 Port 3 Position/ 4 Port 2 Position					
Port Size		1/8"	1/4"	1/4"	3/8"	1/2"	3/4"
CV Valve(mm^2)		14(0.78)	16(0.89)	30(1.67)	33(1.83)	88(4.89)	95(5.27)
Working pressure range		0~1.0MPa					
Proof Pressure		15kgf/cm^2					
Working temperature range		-5~60℃(Not Frozen)					
Operating Angel		90℃					
Weight(kg)							
Main Material	Body	Aluminum Alloy					
	O ring	Nylon					

Dimension(mm)

Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	P
4HV2□□-06	72.6	45	1.5	PT1/8	11.5	M34 x 1.5	92.5	5	62	49	40	3	49	62	120
4HV2□□-08	72.6	45	1.5	PT1/4	11.5	M34 x 1.5	92.5	5	62	49	40	3	49	62	120
4HV3□□-08	88.5	56	1.5	PT1/4	13.5	M40 x 1.5	104	6.6	74	62	51	3	62	74	140
4HV3□□-10	88.5	56	1.5	PT3/8	13.5	M40 x 1.5	104	6.6	74	62	51	3	62	74	140
4HV4□□-15	110.3	72	2	PT1/2	18	M452 x 1.5	126	6.6	102	89	64	3	81	94	160
4HV4□□-20	110.3	72	2	PT3/4	18	M52 x 1.5	126	6.6	102	89	64	3	81	94	160



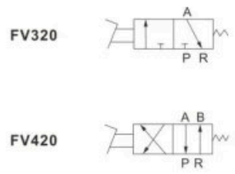
FV320/420 series Foot Valve



Technical Specification

Model	FV320	FV420
Working Fluid	air (filtered by 40UM sieve)	
ports and positions	3/2 way	4/2 way
Action type	directly operated type	
Port size	06:G1/8	08:G1/4
Operating pressure	0~0.8Mpa	
working temperature	-5~60℃(28~140° F)	
Lubrication oil	not need	

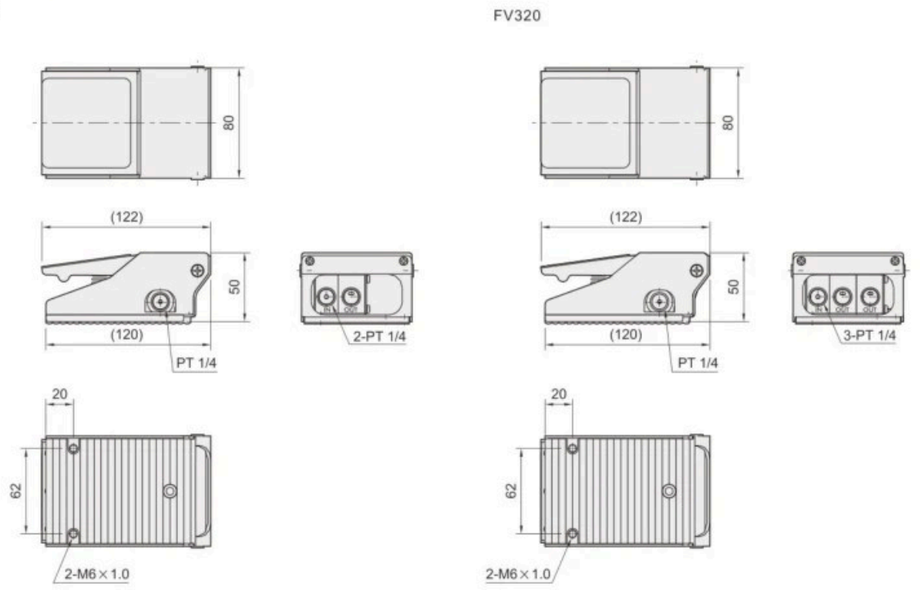
Symbol



Order Code

FV	420
Specification code FV：Foot valve	ways 320: 3/2 way 420: 4/2 way

Dimension(mm)



4F/FOV series Foot Valve



Technical Specification

Model	4F210-08	4F210-08L	4F210-08F	4F210-08LF
Working Fluid	Air(to be filtered by 40μm filter element)			
Action Mode	foot control directly-action type			
Port Size①	PT1/4			
Position	5/2 way			
Pressure Range	0~0.8MPa (0~114psi)			
Proof pressure	1.5MPa(15bar)(215psi)			
Temperature Range	-5~60℃(Not Frozen)			
body material	Aluminum alloy			
lubrication	No need			

①port thread have NPT G thread option

Symbol

Without lock



with lock



Order Code

4F210 — Model: 4F210:5/2 way foot valve

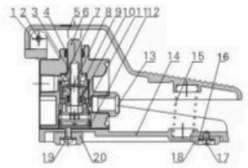
08 — Port Size: 08:G1/4

L — model code
blank : basic type
L: with lock type
F: with guard type
LF: with lock and guard type

Product feature

1、aluminum pedal, directly-action design, stable and reliable。
2、 if the reversing time is longer, you can choose the lock type。
3、The locking mechanism is stable and reliable, and the unlocking is light and fast.
But limited by the size of the structure, can not withstand frequent strong shocks
4、High strength plastic protective cover available

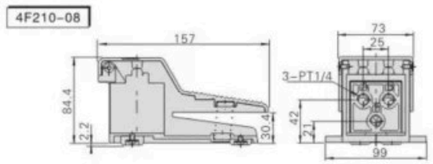
inner construct



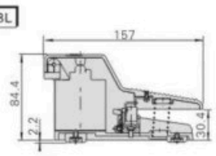
No.	item	No.	item	No.	item
1	axle pin	8	O Rring	15	spring
2	countersunk screw snap ring	9	front cover	16	washer
3	spring	10	piston	17	round-head screw
4	E type snap ring	11	bottom cover	18	small foot shim
5	pedal	12	C type snap ring	19	round-head screw
6	Axis core	13	silencer	20	big foot shim
7	O Rring	14	base		

Dimension(mm)

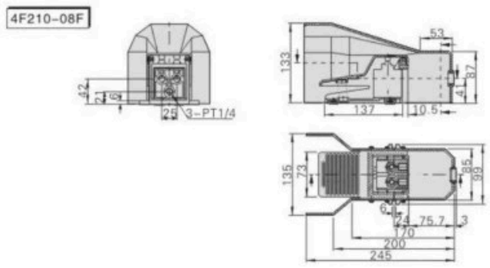
4F210-08



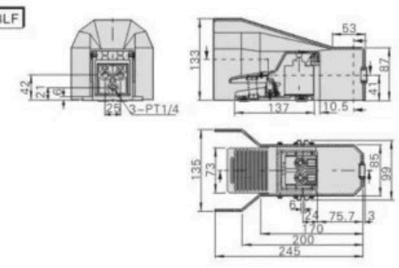
4F210-08L



4F210-08F



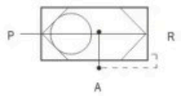
4F210-08LF



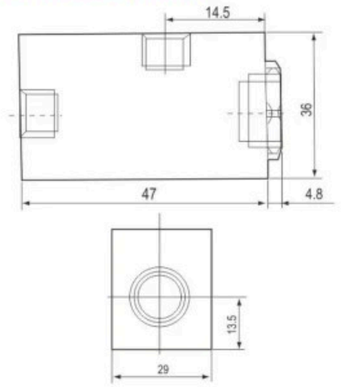
QE series Quick Exhaust Valve



Symbol



Dimension(mm)



Order Code

QE	-	02
Series Code		Port Size 01:1/8" 02:1/4" 03:3/8" 04:1/2"

Technical Specification

Model		QE-01	QE-02	QE-03	QE-04
Working Fluid		Air			
Port Size		1/8"	1/4"	3/8"	1/2"
Working pressure range		0~1.0MPa			
Working temperature range		-5~60℃(Not Frozen)			
Weight(kg)					
Main Material	Body	Aluminum Alloy			
	O ring	NBR			

PAMY

Pneumatic

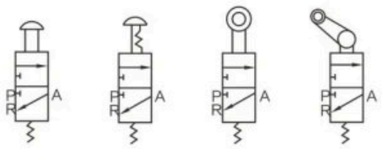


EXECUTIVE COMPONENTS

JM322 series Mechanical Valve



Symbol



Order Code

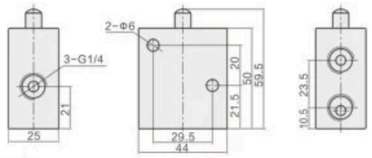
JM	32	2	R
Specification code	Ways code	Port size	Button type
JM series Mechanical Valve	32:3/2 Way	2:G1/4	Blank:Basic type R: Roller type TB: Selecting type button EB: Lock type button PP: Flat type button PPL: Convex type button PB: Big circle type

Technical Specification

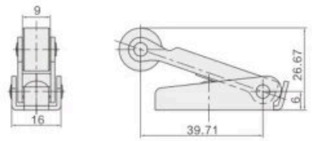
Models	JM322	JM322R	JM322PP	JM322PPL	JM322PB	JM322EB	JM322TB
Working Medium	air (filtered by 40UM sieve)						
Acting mode	Direct type						
Port size	08:G1/4						
Working pressure	0~0.8Mpa						
Working temperature	−5~60℃(Not Frozen)						
Lubricating	No need						

Dimension(mm)

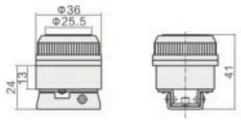
JM322



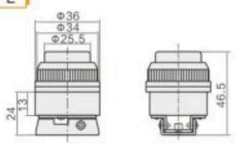
JM322R



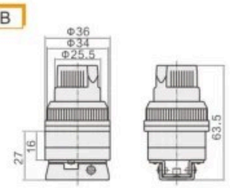
JM322PP



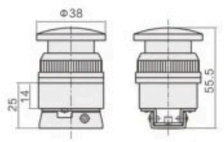
JM322PPL



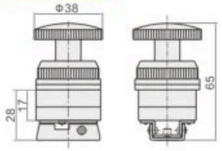
JM322TB



JM322PB



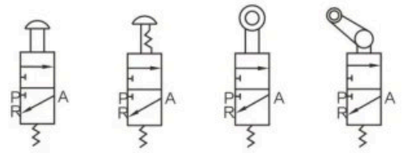
JM322EB



MOV321 series Mechanical Valve



Symbol



Order Code

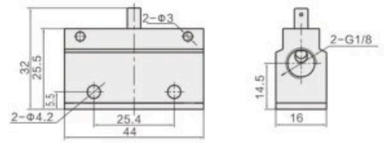
MOV	32	1	R
Specification code	Ways code	Port size	Button type
Mov series mechanical valve	32: 3/2 Way	1:G1/8	Blank:Basic type R: Roller type TB: Selecting type button EB: Lock type button PP: Flat type button PPL: Convex type button PB: Big circle type

Technical Specification

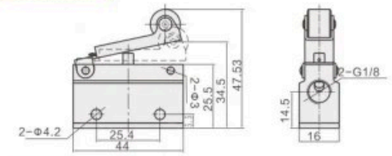
Models	MOV321	MOV321R	MOV321PP	MOV321PPL	MOV321PB	MOV321EB	MOV321TB
Working Medium	air (filtered by 40UM sieve)						
Acting mode	Direct type						
Port size	06:G1/8						
Working pressure	0~0.8Mpa						
Working temperature	−5~60℃(Not Frozen)						
Lubricating	No need						

Dimension(mm)

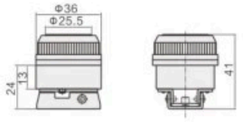
MOV321



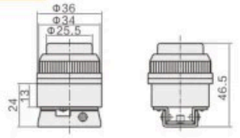
MOV321R



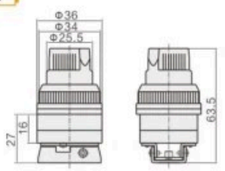
MOV321PP



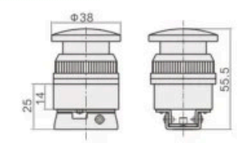
MOV321PPL



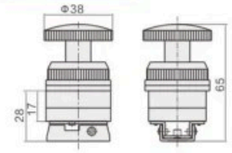
MOV321TB



MOV321PB

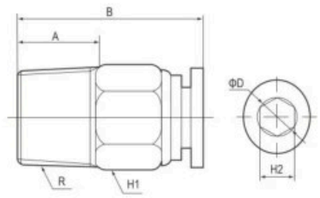


MOV321EB



PC Straight Male Thread





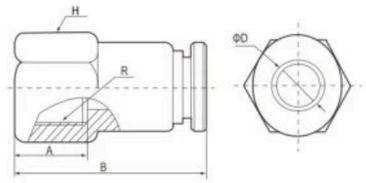
Model

PC4-M5	PC8-04
PC4-01	PC10-01
PC4-02	PC10-02
PC6-M5	PC10-03
PC6-01	PC10-04
PC6-02	PC12-01
PC6-03	PC12-02
PC6-04	PC12-03
PC8-M5	PC12-04
PC8-01	PC16-03
PC8-02	PC16-04
PC8-03	

Metric	ϕD	R	A	B	H1	H2
PC4-03	4	PT3/8	8	17.6	17	4
PC4-M5	4	M5	3.5	21.8	10	3
PC4-01	4	PT1/8	65	20.5	10	3
PC4-02	4	PT1/4	8	19.5	14	4
PC6-M5	6	M5	3.5	22.8	12	4
PC6-01	6	PT1/8	6.5	22.2	12	4
PC6-02	6	PT1/4	8	22.2	14	4
PC6-03	6	PT3/8	10	21.5	17	4
PC6-04	6	PT1/2	10	23	21	4
PC8-01	8	PT1/8	7	26.8	14	6
PC8-02	8	PT1/4	9	25.2	14	6
PC8-03	8	PT3/8	10	22.2	17	6
PC8-04	8	PT1/2	11	23.7	21	4
PC10-01	10	PT1/8	7	30.7	17	6
PC10-02	10	PT1/4	10	29	17	8
PC10-03	10	PT3/8	10	29.5	17	8
PC10-04	10	PT1/2	11	25.2	21	4
PC12-01	12	PT1/8	7	31.7	19	6
PC12-02	12	PT1/4	8	33.2	19	8
PC12-03	12	PT3/8	10	28.5	19	8
PC12-04	12	PT1/2	11	29	21	8
PC14-02	14	PT1/4	9	29.3	21	6
PC14-03	14	PT3/8	10	29.3	21	8
PC14-04	14	PT1/2	11	27.3	21	12
PC16-03	16	PT3/8	10	40.5	24	10
PC16-04	16	PT1/2	12	37	24	12
PC16-06	16	PT3/4	13	38	27	12

PCF Straight Female Thread





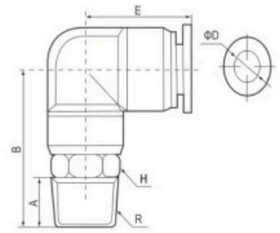
Model

PCF4-M5	PCF8-03
PCF4-01	PCF8-04
PCF4-02	PCF10-01
PCF6-M5	PCF10-02
PCF6-01	PCF10-03
PCF6-02	PCF10-04
PCF6-03	PCF12-02
PCF6-04	PCF12-03
PCF8-01	PCF12-04
PCF8-02	

Metric	ϕD	R	A	B	H
PCF4-M5	4	M5	5	21	10
PCF4-01	4	PT1/8	8	24.5	12
PCF4-02	4	PT1/4	9	25.5	15
PCF6-M5	6	M5	5	20.7	12
PCF6-01	6	PT1/8	8	24.7	12
PCF6-02	6	PT1/4	9	25.5	15
PCF6-03	6	PT3/8	11	27.5	19
PCF6-04	6	PT1/2	12.5	29	24
PCF8-01	8	PT1/8	8	26	14
PCF8-02	8	PT1/4	9	27	15
PCF8-03	8	PT3/8	11	29.5	19
PCF8-04	8	PT1/2	12.5	30.5	24
PCF10-01	10	PT1/8	8	27	17
PCF10-02	10	PT1/4	10	30.5	17
PCF10-03	10	PT3/8	11	31.5	19
PCF10-04	10	PT1/2	12.5	32.5	24
PCF12-01	12	PT1/8	10	30.7	19
PCF12-02	12	PT1/4	10	32.2	19
PCF12-03	12	PT3/8	11	33.7	19
PCF12-04	12	PT1/2	12.5	34.7	24

PL Elbow Male Thread





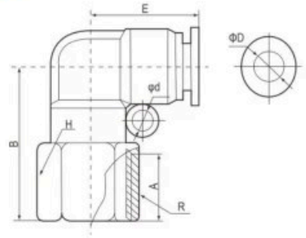
Model

PL4-M5	PL8-03
PL4-01	PL8-04
PL4-02	PL10-01
PL6-M5	PL10-02
PL6-01	PL10-03
PL6-02	PL10-04
PL6-03	PL12-01
PL6-04	PL12-02
PL8-01	PL12-03
PL8-02	PL12-04

Metric	ϕD	R	A	B	H	E
PL4-M5	4	M5	3.5	25	10	19.7
PL4-01	4	PT1/8	7	20.5	10	19.7
PL4-02	4	PT1/4	9	23	14	19.7
PL6-M5	6	M5	3.5	20	10	20.8
PL6-01	6	PT1/8	7	22	10	20.8
PL6-02	6	PT1/4	9	24.5	14	20.8
PL6-03	6	PT3/8	10	25.5	17	20.8
PL6-04	6	PT1/2	11	27.5	21	20.8
PL8-01	8	PT1/8	7	22	14	23.5
PL8-02	8	PT1/4	9	24	14	23.5
PL8-03	8	PT3/8	10	26.5	17	23.5
PL8-04	8	PT1/2	11	27.5	21	23.5
PL10-01	10	PT1/8	7	28	17	25.2
PL10-02	10	PT1/4	9	30	17	25.2
PL10-03	10	PT3/8	10	31	17	25.2
PL10-04	10	PT1/2	11	32	21	25.2
PL12-01	12	PT1/8	7	31	19	30.3
PL12-02	12	PT1/4	9	33.5	19	30.3
PL12-03	12	PT3/8	10	34.5	19	30.3
PL12-04	12	PT1/2	11	35	21	30.3
PL14-02	14	PT1/4	10		21	
PL14-03	14	PT3/8	10	42.5	21	30.3
PL14-04	14	PT1/2	11	45	21	30.3
PL16-03	16	PT3/8	11	50	24	34
PL16-04	16	PT1/2	12	50.5	24	34
PL16-06	16	PT3/4	13		27	

PLF Elbow Female Thread





Model

PLF4-M5	PLF8-03
PLF4-01	PLF8-04
PLF4-02	PLF10-01
PLF6-M5	PLF10-02
PLF6-01	PLF10-03
PLF6-02	PLF10-04
PLF6-03	PLF12-02
PLF6-04	PLF12-03
PLF8-01	PLF12-04
PLF8-02	

Metric	ϕD	R	A	B	H
PLF4-M5	4	M5			19.7
PLF4-01	4	PT1/8	8	19.5	19.7
PLF4-02	4	PT1/4	10	19.5	19.7
PLF6-M5	6	M5			20.8
PLF6-01	6	PT1/8	8	21	20.6
PLF6-02	6	PT1/4	10	23	20.6
PLF6-03	6	PT3/8	11	24	20.6
PLF6-04	6	PT1/2	13	25	20.6
PLF8-01	8	PT1/8	8	21	23.5
PLF8-02	8	PT1/4	10	23	23.5
PLF8-03	8	PT3/8	11	24	23.5
PLF8-04	8	PT1/2	11	24.5	23.5
PLF10-01	10	PT1/8	8	27	25.2
PLF10-02	10	PT1/4	10	28	25.2
PLF10-03	10	PT3/8	11	29	25.2
PLF10-04	10	PT1/2	11.5	30	25.2
PLF12-02	12	PT1/4	11	28	30.3
PLF12-03	12	PT3/8	11	29	30.3
PLF12-04	12	PT1/2	13	30	30.3

PLL Elbow Longer Male Thread

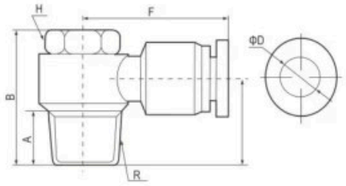


Model

PLL4-M5	PLL6-04	PLL10-03
PLL4-01	PLL8-01	PLL10-04
PLL4-02	PLL8-02	PLL12-02
PLL6-M5	PLL8-03	PLL12-03
PLL6-01	PLL8-04	PLL12-04
PLL6-02	PLL10-01	
PLL6-03	PLL10-02	

PH External Hex Joint





Model

PH4-M5	PH8-03
PH4-01	PH8-04
PH4-02	PH10-01
PH6-M5	PH10-02
PH6-01	PH10-03
PH6-02	PH10-04
PH6-03	PH12-01
PH6-04	PH12-02
PH8-01	PH12-03
PH8-02	PH12-04

Metric	ϕD	R	A	B	H	F	J
PH4-M5	4	M5	4	19	8	23.2	12.5
PH4-01	4	PT1/8	7.5	25	12	23.2	14.5
PH4-02	4	PT1/4	11	27	15	24.7	17.8
PH6-M5	6	M5	4	19	8	22.8	12.5
PH6-01	6	PT1/8	9.5	25	12	22.8	14.5
PH6-02	6	PT1/4	11	27	15	24.8	17.5
PH6-03	6	PT3/8	11	33	19	28.3	20
PH6-04	6	PT1/2	12	35	22	30	20
PH8-01	8	PT1/8	7.5	25	12	36	13.8
PH8-02	8	PT1/4	11	27	15	38.5	16.5
PH8-03	8	PT3/8	11	33	19	28.8	19.6
PH8-04	8	PT1/2	12	35	22	30.5	20.9
PH10-01	10	PT1/8	7.5	25	12	28.7	13.8
PH10-02	10	PT1/4	11	27	15	30.7	14.8
PH10-03	10	PT3/8	11	33	19	30.7	19
PH10-04	10	PT1/2	12	35	22	34	22.9
PH12-02	12	PT1/4	11	27	15	32.2	13.8
PH12-03	12	PT3/8	11	33	19	34.2	17.7
PH12-04	12	PT1/2	12	35	22	34.2	22

PSU Series Plastic Silincer

Model

PSU -01
PSU -02
PSU -03
PSU -04



PSL Series Plastic Silincer

Model

PSL -01
PSL -02
PSL -03
PSL -04



BSLM/BSLE Series Brass Silincer

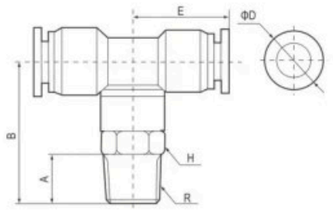
Model

BSLM -01
BSLM -02
BSLM -03
BSLM -04
BSLE -01
BSLE -02
BSLE -03
BSLE -04



PB T-Shape Vertical Male Thread





Model

PB4-M5	PB8-03
PB4-01	PB8-04
PB4-02	PB10-01
PB6-M5	PB10-02
PB6-01	PB10-03
PB6-02	PB10-04
PB6-03	PB12-02
PB6-04	PB12-03
PB8-01	PB12-04
PB8-02	

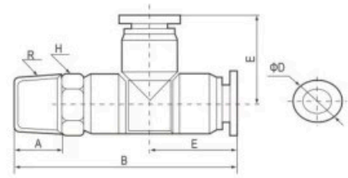
Metric	ϕD	R	A	B	H	E
PB4-M5	4	M5	3.5		10	18.6
PB4-01	4	PT1/8	7		10	18.6
PB4-02	4	PT1/4	9		14	18.6
PB6-M5	6	M5	3.5		10	18.8
PB6-01	6	PT1/8	6.5		10	18.8
PB6-02	6	PT1/4	9	30	14	18.8
PB6-03	6	PT3/8	10	30.6	17	18.8
PB6-04	6	PT1/2	11	32.5	21	18.8
PB8-01	8	PT1/8	7	31.5	12	22.9
PB8-02	8	PT1/4	9	33	14	22.9
PB8-03	8	PT3/8	10	33.6	17	22.9
PB8-04	8	PT1/2	11	35	21	22.9
PB10-01	10	PT1/8	7	37	17	25.2
PB10-02	10	PT1/4	9	38	17	25.2
PB10-03	10	PT3/8	10	38	17	25.2
PB10-04	10	PT1/2	11	39	21	25.2
PB12-01	12	PT1/8	7	37.5	19	26.7
PB12-02	12	PT1/4	9	40	19	26.7
PB12-03	12	PT3/8	10	40	19	26.7
PB12-04	12	PT1/2	11	41	21	26.7
PB14-03	14	PT3/8	10	46.3	21	34.5
PB14-04	14	PT1/2	11	47.3	21	34.5

PD T-Shape side Male Thread



Model

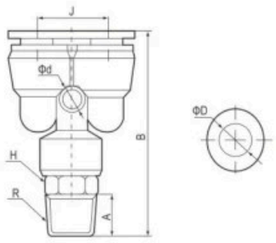
PD4-M5	PD8-03
PD4-01	PD8-04
PD4-02	PD10-01
PD6-M5	PD10-02
PD6-01	PD10-03
PD6-02	PD10-04
PD6-03	PD12-02
PD6-04	PD12-04
PD8-01	
PD8-02	



Metric	ϕD	R	A	B	H	E
PD4-M5	4	M5	3.5	35	10	18.7
PD4-01	4	PT1/8	7	35	10	18.7
PD4-02	4	PT1/4	9	37.5	14	18.7
PD6-M5	6	M5	3.5	38	10	20.3
PD6-01	6	PT1/8	7	38	10	20.3
PD6-02	6	PT1/4	9	40.5	14	20.3
PD6-03	6	PT3/8	10	39.5	17	20.3
PD6-04	6	PT1/2	11	43.5	21	20.3
PD8-01	8	PT1/8	7	40	12	22.8
PD8-02	8	PT1/4	9	42	14	22.8
PD8-03	8	PT3/8	10	44.5	17	22.8
PD8-04	8	PT1/2	11	45.5	21	22.8
PD10-01	10	PT1/8	7	49	17	26.2
PD10-02	10	PT1/4	9	51	17	26.2
PD10-03	10	PT3/8	10	52	17	26.2
PD10-04	10	PT1/2	11	53	21	26.2
PD12-01	12	PT1/8	7	51.5	19	28.2
PD12-02	12	PT1/4	9	53.5	19	28.2
PD12-03	12	PT3/8	10	54.5	19	28.2
PD12-04	12	PT1/2	11	55.5	21	28.2
PD14-03	14	PT3/8	10		21	35
PD14-04	14	PT1/2	11	85	21	35

PX Y-Shape Three-Way Thread





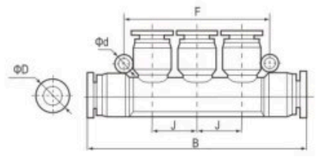
Model

PX4-M5
PX4-01
PX4-02
PX6-M5
PX6-01
PX6-02
PX6-03
PX6-04
PX8-01
PX8-02
PX8-03
PX8-04
PX10-01
PX10-02
PX10-03
PX10-04
PX12-02
PX12-03
PX12-04

Metric	ϕD	R	A	B	H	J	E
PX4-M5	4	M5	3.5	37.7	10	10.8	2.5
PX4-01	4	PT1/8	7	37.7	10	10.8	2.5
PX4-02	4	PT1/4	9	40.2	14	10.8	2.5
PX6-M5	6	M5	3.5	41.5	10	13	3.5
PX6-01	6	PT1/8	6.5	40.3	10	13	3.5
PX6-02	6	PT1/4	9	42.8	14	13	3.5
PX6-03	6	PT3/8	10	44.8	17	13	3.5
PX6-04	6	PT1/2	11	45.8	21	13	3.5
PX8-01	8	PT1/8	7	45.5	12	15.2	4
PX8-02	8	PT1/4	9	47.5	14	15.2	4
PX8-03	8	PT3/8	10	50	17	15.2	4
PX8-04	8	PT1/2	11	51	21	15.2	4
PX10-01	10	PT1/8	7	49.7	17	19	4.2
PX10-02	10	PT1/4	9	51.7	17	19	4.2
PX10-03	10	PT3/8	10	52.7	17	19	4.2
PX10-04	10	PT1/2	11	53.7	21	19	4.2
PX12-01	12	PT1/8	8	54.2	19	20.5	4.2
PX12-02	12	PT1/4	10	56.2	19	20.5	4.2
PX12-03	12	PT3/8	10	57.2	19	20.5	4.2
PX12-04	12	PT1/2	11	58.2	21	20.5	4.2

PK Five-way





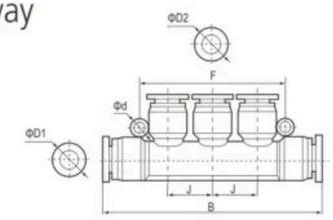
Model

PK4
PK6
PK8
PK10
PK12

Metric	ϕD	B	F	J	ϕd
PK-4	4	62.4	36.8	12	2.5
PK-6	6	68.6	54.8	17.5	4
PK-8	8	80.5	54.8	17.5	4
PK-10	10	91.4	62.5	20.4	4
PK-12	12	112	71	23	4

PKG Reduced Five-way





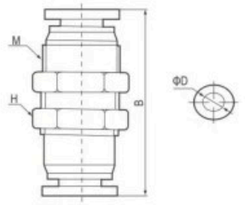
Model

PKG6-4
PKG8-4
PKG8-6
PKG10-6
PKG10-8
PKG12-8
PKG12-10

Metric	ϕD1	ϕD2	B	F	J	ϕd
PKG6-4	6	4	68.6	41.4	13.5	4
PKG8-6	8	6	80.5	52.5	17.7	4
PKG10-8	10	8	91.4	58	19.5	4
PKG12-10	12	10	101.4	67.7	22	4
PKG8-4	8	4	81	52.5	18	4.5
PKG10-6	10	6	91.4	58	19.5	4
PKG12-8	12	8	101.4	67.7	22	4

PM Bulkhead Union





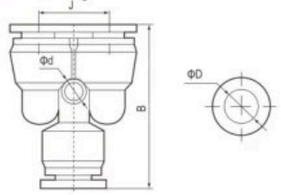
Model

PM4
PM6
PM8
PM10
PM12

Metric	ϕD	M	B	H
PM-4	4	M12 x 1.0	34.5	15
PM-6	6	M14 x 1.0	37	17
PM-8	8	M16 x 1.0	37	19
PM-10	10	M20 x 1.0	45	24
PM-12	12	M22 x 1.0	46.4	27

PY Y-Shape Three-Way





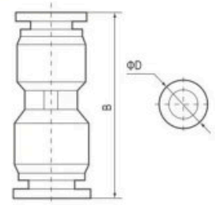
Model

PY4
PY6
PY8
PY10
PY12

Metric	ϕD	B	J	ϕd
PY-4	4	28	11.6	2.5
PY-6	6	30	13.3	3.5
PY-8	8	33	15.5	4
PY-10	10	48	38.5	4.2
PY-12	12	54	20.5	4.2

PU Straight Union





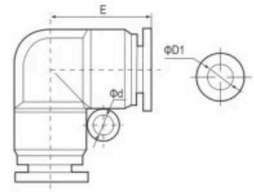
Model

PU4
PU6
PU8
PU10
PU12
PU14
PU16

Metric	ϕD	H
PU-4	4	33.4
PU-6	6	35.1
PU-8	8	39
PU-10	10	44.4
PU-12	12	46.4
PU-14	14	51
PU-16	16	57.8

PV Elbow Two-Way





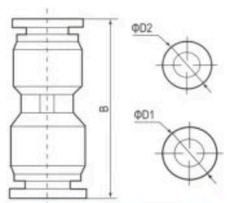
Model

PV4
PV6
PV8
PV10
PV12
PV14
PV16

Metric	ϕD1	E	ϕd
PV-4	4	18.7	/
PV-6	6	20.5	3.5
PV-8	8	23	4.5
PV-10	10	27	4.5
PV-12	12	28.5	5
PV-14	14	32	
PV-16	16	33.5	4

PUG Reduced Straight Union





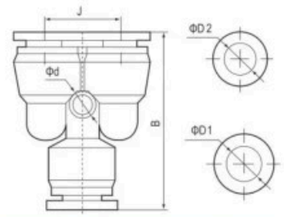
Model

PUG6-4
PUG8-4
PUG8-6
PUG10-6
PUG10-8
PUG12-8
PUG12-10
PUG16-12

Metric	ϕD1	ϕD2	B
PUG6-4	6	4	35
PUG8-6	8	6	36.3
PUG10-8	10	8	40.2
PUG12-10	12	10	44
PUG16-12	16	12	47.5
PUG8-4	8	4	47.5
PUG10-6	10	6	67
PUG12-8	12	8	67

PYG Y-Shape Reduced Three-way





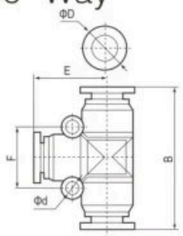
Model

PYG6-4
PYG8-4
PYG8-6
PYG10-6
PYG10-8
PYG12-8
PYG12-10

Metric	ϕD1	ϕD2	B	J	ϕd
PYG6-4	6	4	38.5	13.5	3.5
PYG8-6	8	6	42	16	4
PYG10-8	10	8	47.2	18.4	4.5
PYG12-10	12	10	52.4	20.5	4.5
PYG8-4	8	4	42	16	4
PYG10-6	10	6	47.2	18.4	4
PYG12-8	12	8	52.2	20.2	4

PE T–Shape Three–Way

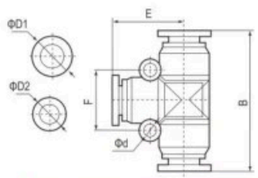




Model	Metric	ϕ D	B	E	F	ϕ d
PE4	PE-4	4	37.4	18.7	13.5	/
PE6	PE-6	6	40.6	20.5	16	3.5
PE8	PE-8	8	46	23	20	4.5
PE10	PE-10	10	55.4	27.7	24	4.5
PE12	PE-12	12	57.4	28.7	27	5
PE14	PE-14	14	64	32	28	4
PE16	PE-16	16	69	34.5	33	4

PEG T–Shape Reduced Three–Way





Model	Metric	ϕ D1	ϕ D2	B	E	F	ϕ d
PEG6-4	PEG6-4	6	4	37.6	19.7	15	3.5
PEG8-4	PEG8-6	8	6	43	20.3	18	4.5
PEG8-6	PEG10-8	10	8	50.4	24.5	20	4.5
PEG10-6	PEG12-10	12	10	57.4	27.7	24.5	5
PEG10-8	PEG16-12	16	12	69	34	32.2	4
PEG12-8	PEG8-4	8	4	43	18	18	4.5
PEG12-10	PEG10-6	10	6	50.4	23.8	20	4
PEG16-12	PEG12-8	12	8	57.4	27.4	24.5	5

SL Speed controller



Model

SL4-M5 SL8-01 SL12-01
SL4-01 SL8-02 SL12-02
SL4-02 SL8-03 SL12-03
SL6-M5 SL8-04 SL12-04
SL6-01 SL10-01 SL16-04
SL6-02 SL10-02
SL6-03 SL10-03
SL6-04 SL10-04

LSA Pipe Speed controller



Model

LSA-4
LSA-6
LSA-8
LSA-10
LSA-12

PKB Side Male Thread Five–Way



Model

PKB4-01 PKB8-04
PKB4-02 PKB10-01
PKB6-01 PKB10-02
PKB6-02 PKB10-03
PKB6-03 PKB10-04
PKB8-01 PKB12-02
PKB8-02 PKB12-03
PKB8-03 PKB12-04

PKD Side Female Thread



Model

PKD4-01 PKD8-04
PKD4-02 PKD10-01
PKD6-01 PKD10-02
PKD6-02 PKD10-03
PKD6-03 PKD10-04
PKD8-01 PKD12-02
PKD8-02 PKD12-03
PKD8-03 PKD12-04

PZA Union Cross



Model

PZA4
PZA6
PZA8
PZA10
PZA12

HVFF series Hand Switch



Model

HVFF-4
HVFF-6
HVFF-8
HVFF-10
HVFF-12

Brass Nickel Plating-One Touch Fittings

PC Straight Male Thread



Model	
PC4-M5DN	PC8-041DN
PC4-01DN	PC10-01DN
PC4-02DN	PC10-02DN
PC6-M5DN	PC10-03DN
PC6-01DN	PC10-04DN
PC6-02DN	PC12-02DN
PC6-03DN	PC12-03DN
PC6-04DN	PC12-04DN
PC8-01DN	PC16-03DN
PC8-02DN	PC16-04DN
PC8-03DN	

PL Elbow Male Thread



Model	
PL4-M5DN	PL8-041DN
PL4-01DN	PL10-01DN
PL4-02DN	PL10-02DN
PL6-M5DN	PL10-03DN
PL6-01DN	PL10-04DN
PL6-02DN	PL12-02DN
PL6-03DN	PL12-03DN
PL6-04DN	PL12-04DN
PL8-01DN	PL16-03DN
PL8-02DN	PL16-04DN
PL8-03DN	

PB T-Shape vertical Male Thread



Model	
PB4-M5DN	PB8-041DN
PB4-01DN	PB10-01DN
PB4-02DN	PB10-02DN
PB6-M5DN	PB10-03DN
PB6-01DN	PB10-04DN
PB6-02DN	PB12-02DN
PB6-03DN	PB12-03DN
PB6-04DN	PB12-04DN
PB8-01DN	PB16-03DN
PB8-02DN	PB16-04DN
PB8-03DN	

PX Y-Shape Three-Way Thread



Model	
PX4-M5DN	PX8-041DN
PX4-01DN	PX10-01DN
PX4-02DN	PX10-02DN
PX6-M5DN	PX10-03DN
PX6-01DN	PX10-04DN
PX6-02DN	PX12-02DN
PX6-03DN	PX12-03DN
PX6-04DN	PX12-04DN
PX8-01DN	PX16-03DN
PX8-02DN	PX16-04DN
PX8-03DN	

Metal One Touch Fittings

KC - PC Straight Male Thread



Model	
KC-PC4-M5	KC-PC10-01
KC-PC4-01	KC-PC10-02
KC-PC4-02	KC-PC10-03
KC-PC6-M5	KC-PC10-04
KC-PC6-01	KC-PC12-01
KC-PC6-02	KC-PC12-02
KC-PC6-03	KC-PC12-03
KC-PC6-04	KC-PC12-04
KC-PC8-01	KC-PC16-03
KC-PC8-02	KC-PC16-04
KC-PC8-03	
KC-PC8-04	

KC - PL Elbow Male Thread



Model	
KC-PL4-M5	KC-PL10-01
KC-PL4-01	KC-PL10-02
KC-PL4-02	KC-PL10-03
KC-PL6-M5	KC-PL10-04
KC-PL6-01	KC-PL12-01
KC-PL6-02	KC-PL12-02
KC-PL6-03	KC-PL12-03
KC-PL6-04	KC-PL12-04
KC-PL8-01	KC-PL16-03
KC-PL8-02	KC-PL16-04
KC-PL8-03	
KC-PL8-04	

KC - PB T-Shape vertical Male Thread



Model	
KC-PB4-M5	KC-PB10-01
KC-PB4-01	KC-PB10-02
KC-PB4-02	KC-PB10-03
KC-PB6-M5	KC-PB10-04
KC-PB6-01	KC-PB12-01
KC-PB6-02	KC-PB12-02
KC-PB6-03	KC-PB12-03
KC-PB6-04	KC-PB12-04
KC-PB8-01	KC-PB16-03
KC-PB8-02	KC-PB16-04
KC-PB8-03	
KC-PB8-04	

KN - SL Speed Controller



Model	
KN-SL4-M5	KN-SL10-01
KN-SL4-01	KN-SL10-02
KN-SL4-02	KN-SL10-03
KN-SL6-M5	KN-SL10-04
KN-SL6-01	KN-SL12-01
KN-SL6-02	KN-SL12-02
KN-SL6-03	KN-SL12-03
KN-SL6-04	KN-SL12-04
KN-SL8-01	KN-SL16-03
KN-SL8-02	KN-SL16-04
KN-SL8-03	
KN-SL8-04	

Liskam

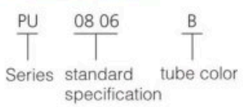




Pamy
Pneumatics Specialist
Auxiliary Components



Order Code



tube color



Pu tube specification sheet

Model	PU0425	PU0640	PU0850	PU0860	PU1065	PU1280	PU1410	PU1612
outer diameter mm	Φ4.0	Φ6.0	Φ8.0	Φ8.0	Φ10.0	Φ12.0	Φ14.0	Φ16.0
inner diameter mm	Φ2,5	Φ4.0	Φ5.0	Φ8.6	Φ6,5	Φ8.0	Φ10.0	Φ12.0



C Type Quick Coupler

Order Code

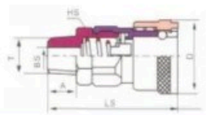
S	M	–	20
S:Main body P:Sub–body	M:male thread F:female thread H:pipe plug–in P:pipe locking		Port size 10:1/8" 20:1/4" 30:3/8" 40:1/2"

Technical Specification

Working fluid	Air
Max withstand pressure	1.32Mpa(1.35kgf/cm²)
Max operating pressure	0~0.9Mpa(0~9.2kgf/cm²)
Ambient and fluid temperature	–5~60℃(Not Frozen)
Applicable soft pipe	PU soft pipe,Nylon pipe
Material	Zinc alloy

SM

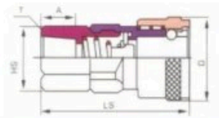




Models	A	BS	D	HS	LS	T
SM–10	9.7	6	26	19H	50.2	1/8PT
SM–20	9.4	6	26	19H	50.2	1/4PT
SM–30	15	8	26	19H	55.8	3/8PT
SM–40	16.5	11.5	26	21H	57.3	1/2PT
SM–60						

SF





Models	A	BS	D	HS	LS	T
SF–10	9.4	6	26	19H	50.2	1/8PT
SF–20	9.4	6	26	19H	50.2	1/4PT
SF–30	15	8	26	19H	55.8	3/8PT
SF–40	16.5	11.5	26	21H	57.3	1/2PT
SF–60						

SH

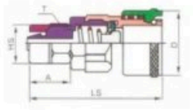




Models	Matched pipe	A	D	HS	LS	T
SH–10	ϕ6	26	26	19H	66.8	7
SH–20	ϕ8	26	26	19H	66.8	9
SH–30	ϕ10	26	26	19H	66.8	11
SH–40	ϕ12	26	26	21H	66.8	13.5
SH–60						

SP

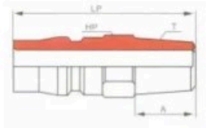




Models	Matched pipe	A	D	HS	LS	T
SP–10	ϕ6	14.5	26	13.3	55.3	14H
SP–20	ϕ8	14.5	26	13.3	55.3	14H
SP–30	ϕ10	15	26	13.3	57	15H
SP–40	ϕ12	17.5	26	15.8	58.8	19H

PM

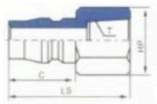




Models	A	HP	LP	T
PM–10	13.8	14H	40.8	1/8PT
PM–20	13.8	14H	40.8	1/4PT
PM–30	14.2	17H	41.2	3/8PT
PM–40	18	21H	43.8	1/2PT
PM–60				

PF





Models	HP	O	LP	T
PF–10	17H	20	36	1/8PT
PF–20	17H	20	36	1/4PT
PF–30	19H	20	36	3/8PT
PF–40	21H	20	37	1/2PT
PF–60				

PH

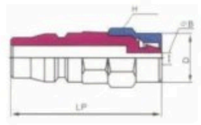




Models	Matched pipe	A	B	D	E
PH–10	ϕ6	52.8	24	4.9	9
PH–20	ϕ8	52.8	24	4.9	9
PH–30	ϕ10	52.5	24	7.2	9.8
PH–40	ϕ12	52.3	24	7	12.6
PH–60					

PP





Models	Matched pipe	B	D	H	LP
PP–10	ϕ6	2.9	13.3	14H	44.1
PP–20	ϕ8	2.9	13.3	14H	44.1
PP–30	ϕ10	3	13.2	15H	44.2
PP–40	ϕ12	5.2	15.8	19H	44.7

Self–locked C Type Quick Coupler

Order Code

L	S	M	–	20
Self locked	Main body	M:male thread F:female thread H:pipe plug–in P:pipe locking		Port size 10:1/8" 20:1/4" 30:3/8" 40:1/2"

Technical Specification

Working fluid	Air
Max withstand pressure	1.32Mpa(1.35kgf/cm²)
Max operating pressure	0~0.9Mpa(0~9.2kgf/cm²)
Ambient and fluid temperature	–5~60℃(Not Frozen)
Applicable soft pipe	PU soft pipe,Nylon pipe
Material	Zinc alloy

LSM series

Model

LSM–10

LSM–20

LSM–30

LSM–40



LSF series

Model

LSF–10

LSF–20

LSF–30

LSF–40



LSH series

Model

LSH–10

LSH–20

LSH–30

LSH–40



LSP series

Model

LSP–10

LSP–20

LSP–30

LSP–40



Multi–joint coupelr

Model

SML 2

SML 3

SML 4

SML 5

SML 6



Model

SMV 2

SMY 3



PAMY

Pneumatic



EXECUTIVE COMPONENTS

SC/SU Series Standard Cylinder



Order Code

SC/SU - 50x50 - S - FA

SC/SU — Series
- SC: Standard double acting type
- SU: Standard double acting type
- SCD: Double rod type
- SCJ: Double rod adjustable stroke type
- SCT: Multi-position type

50x50 — bore size X stroke

S — Magnet
- Blank: without magnet
- S: with magnet

FA — Mounting type
- Blank: basic type
- CA: Single Earring type
- CB: Double Earring type
- FA: Front flange type
- FB: Back flange type
- LB: Front and back type
- TC: Central trunnion type
- TC-M: Center trunnion type with foo

Calculation method of cylinder theoretical output : F = P * A

F: Theoretical output of cylinder (kgf) P: working pressure (kgf/cm^2) A: Pressure area of piston (cm^2)

Magnetic switch options

Type \ Bore size	32	40	50	63	80	100	125	160
Auto switch	CS1-F CS1-U							
Auto switch mounting base	F-50		F-63		F-100		F-125	F-160

Specification

Bore size(mm)	32	40	50	63	80	100
Acting type	Double acting					
Working Medium	Air(to be filtered by 40μm filter element)					
Operating pressure	0.1~0.9Mpa(1~9kgf/cm^2)					
Proof pressure	1.35Mpa(13.5kgf/cm^2)					
Working Temperature range	-5~60℃(Unfreeze)					
Cushion type	Variable Cushion					
Adjustable cushion stroke (mm)	24				32	
Port size	1/8"	1/4"		3/8"		1/2"
Body material	Aluminum alloy					

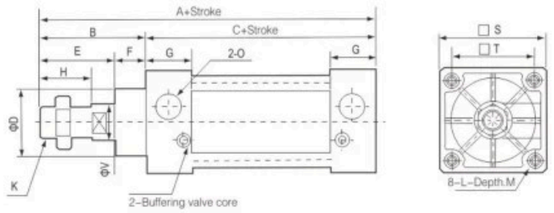
Stroke

Bore size(mm)	Standard Stroke(mm)	Max std Stroke(mm)	Max Stroke(mm)
32	25 50 75 100 125 150 175 200 250 300 350 400 500	1000	2000
40	25 50 75 100 125 150 175 200 250 300 350 400 500 600 700 800	1200	2000
50	25 50 75 100 125 150 175 200 250 300 350 400 500 600 700 800 900 1000	1200	2000
63	25 50 75 100 125 150 175 200 250 300 350 400 500 600 700 800 900 1000	1500	2000
80	25 50 75 100 125 150 175 200 250 300 350 400 500 600 700 800 900 1000	1500	2000
100	25 50 75 100 125 150 175 200 250 300 350 400 500 600 700 800 900 1000	1500	2000
125	25 50 75 100 125 150 175 200 250 300 350 400 500 600 700 800 900 1000	1500	2000
160	25 50 75 100 125 150 175 200 250 300 350 400 500 600 700 800 900 1000	1500	2000

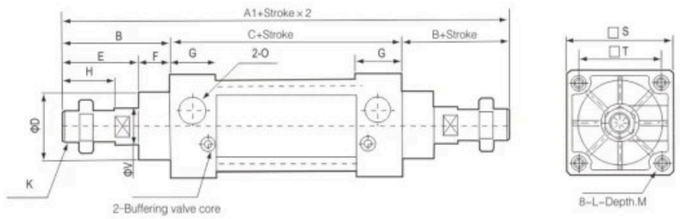
Dimensions (mm)

Dimensions (mm)

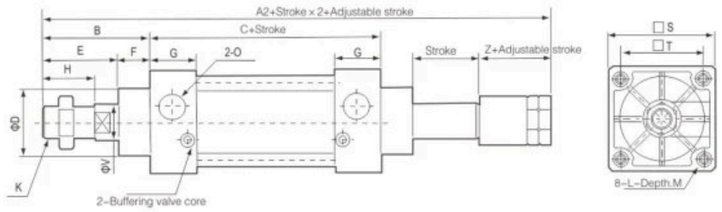
SC/SU



SCD/SUD



SCJ/SUJ



Bore size(mm)	A	A1	A2	B	C	D	E	F	G	H	K	L	O	S	T	V
32	140	187	182	47	93	28	32	15	27.5	22	M10x1.25	M6x1	G1/8	45	33	12
40	142	191	185	49	93	32	34	15	27.5	24	M12x1.25	M6x1	G1/4	50	37	16
50	150	207	196	57	93	38	42	15	27.5	32	M16x1.5	M6x1	G1/4	62	47	20
63	152	210	199	57	95	38	42	15	27.5	32	M16x1.5	M8x1.25	G3/8	75	56	20
80	183	258	243	75	108	47	54	21	33	40	M20x1.5	M10x1.5	G3/8	94	70	25
100	189	264	249	75	114	47	54	21	33	40	M20x1.5	M10x1.5	G1/2	112	84	25
125	251	357	348	106	145	60	74	32	40	54	M27x2	M12	G1/2	140	110	32
160	312	444	441	132	180	65	94	38	50	72	M36x2	M16	G1/2	180	140	40
200	347	509	472	162	185	75	112	50	50	72	M36x2	M16	G3/4	220	175	40
250	384			189	195	95	119	70	50	84	M42x2	M20	G3/4	280	225	50

SDA Series compact Cylinder

Order Code



SDA 20–30 S B □
SDAD20–30 S B □
SDAJ20–30–30 S B □

model code

SDA：compact cylinder(double acting)
SSA：compact cylinder(single acting push)①
STA：compact cylinder(single acting pull)②
SDAD： compact cylinder(double rod)
SDAJ：compact cylinder(adjustable stroke)

Bore size

Product specifications	Bore size
SSA/STA	12 16 20 25 32 40 50 63
Other specification	12 16 20 25 32 40 50 63 80 100

Stroke

Please refer to table of stroke

Thread code①

Blank: g thread
T: PT thread

Rod thread

Blank: female thread type
B: male thread type

Magnet

Blank: without magnet
S:with magnet

Adjustable stroke

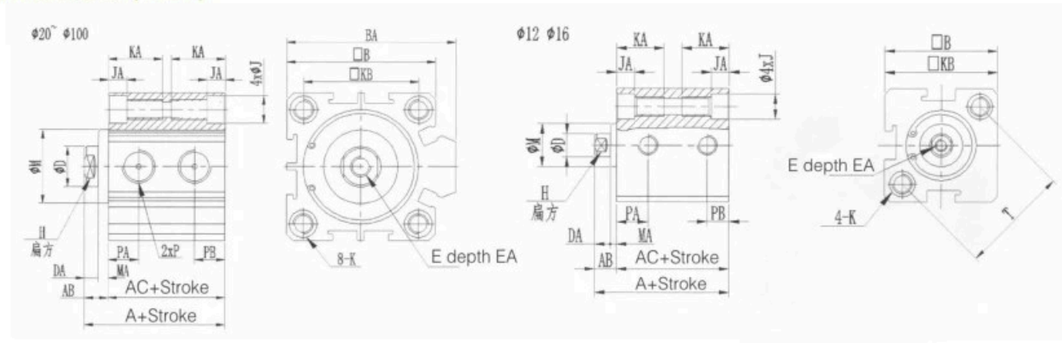
Product specifications	Adjustable stroke
SDAJ	10:10mm
	20:20mm
	30:30mm
	40:40mm
	50:50mm
	75:75mm
	100:100mm
Other Specification	Blank

①When the interface thread is M5jf, this code is empty
②The single acting push type means that the piston rod extends during ventilation, the front spring is compressed, and retracts when the air is cut off.
The single acting pull type means that the piston rod retracts when the air is ventilated, the rear spring is compressed, and extends when the air is cut off.

Specification

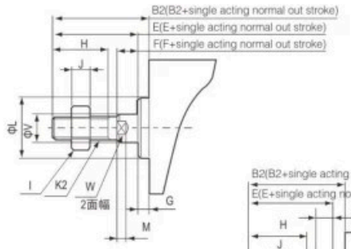
Bore size(mm)		12	16	20	25	32	40	50	63	80	100
Acting type		Double acting									
Working Medium		Air(to be filtered by 40μm filter element)									
Operating pressure range	Double Acting	0.1～1.0MPa(15～145psi)(1.0～10.0bar)(1～10kgf/cm2)									
	Single Acting	0.2～1.0MPa（28～145psi)(2.0～10.0bar)									
Proof pressure		1.5MPa(215psi)(15bar)									
Working Temperature range		−5~60℃(Unfreeze)									
using speed range mm/s		double acting：30～500、single acting：50～500									
stroke tolerance range		0~+1.0									
Cushion type		Bumper									
Port size		M5x0.8				G1/8		G1/4		G3/8	

Dimensions（mm）

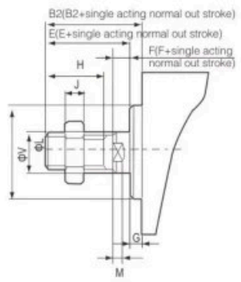


Bore size(mm)	A		AB	AC		B	BA	D	DA	E	EA	H	J	JA	KA	KB	M	MA	P	PA		PB		T
	standard	with magnet		standard	with magnet															St=5	St>5	St=5	St>5	
12	22	32	5	17	27	25	–	6	4	M3×0.5	6	5	6.5	4.5	12	16.3	10.2	1	M5×0.8	7.5	7.5	5	5	23
16	24	34	5.5	18.5	28.5	29	–	6	4	M3×0.5	6	5	6.5	4.5	12	19.8	11	1.5	M5×0.8	8	8	5	5.5	28
20	25	35	5.5	19.5	29.5	34	36	8	4	M4×0.7	8	6	6.5	4.5	14	24	13	1.5	M5×0.8	8	9	5	5.5	–
25	27	37	6	21	31	40	42	10	4	M5×0.8	10	8	8.2	5.5	15	28	17	2	M5×0.8	9	9	5.5	5.5	–
32	31.5	41.5	7	24.5	34.5	44	50	12	4.5	M6×1.0	12	10	8.2	5.5	16	34	22	2.5	PT1/8	9	9	6.5	9	–
40	33	43	7	26	36	52	58.5	16	4	M8×1.25	12	14	10.5	6.5	20	40	28	3	PT1/8	9.5	9.5	7.5	7.5	–
50	37	47	9	28	38	62	71.5	20	5	M10×1.5	15	17	10.5	6.5	25	48	38	4	PT1/4	8	10.5	8	10.5	–
63	41	51	9	32	42	75	84.5	20	5	M10×1.5	15	17	10.5	6.5	25	60	40	4	PT1/4	9.5	12	9.5	11	–
80	52	62	11	41	51	94	104	25	6	M14×1.5	20	22	17	11	25	74	45	5	PT3/8	11.5	14.5	11.5	14.5	–
100	63	73	12	51	61	114	124	32	7	M18×1.5	20	27	19	13	30	90	55	5	PT3/8	16	20.5	16	20.5	–

Φ12-Φ16



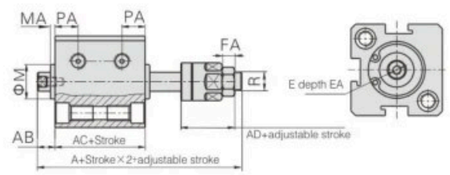
Φ20-Φ100



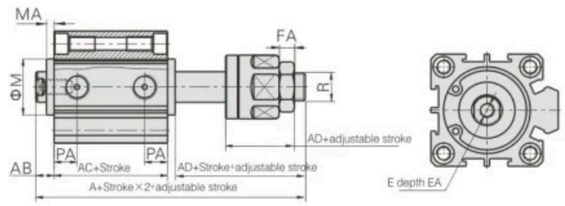
Bore size(mm)	B2	E	F	G	H	I	J	K2	L	M	V	W
12	17	16	4	1	10	8	4	M5x0.8	10.2	2.8	6	5
16	17.5	16	4	1.5	10	8	4	M5x0.8	11	2.8	6	5
20	20.5	19	4	1.5	13	10	5	M6x1.0	15	2.8	8	6
25	23	21	4	2	15	12	6	M8x1.25	17	2.8	10	8
32	25	22	4	3	15	17	6	M10x1.25	22	2.8	12	10
40	35	32	4	3	25	19	8	M14x1.5	28	2.8	16	14
50	37	33	5	4	25	27	11	M18x1.5	38	2.8	20	17
63	37	33	5	4	25	27	11	M18x1.5	40	2.8	20	17
80	44	39	6	5	30	32	13	M22x1.5	45	4	25	22
100	50	45	7	5	35	36	13	M22x1.5	55	4	25	27

SDAJ

Φ12、Φ16



Φ20~Φ100



Bore size(mm)	A		AB	AC		AD	E	EA		FA	M	MA	PA		R
	standard	with magnet		standard	with magnet			St≤10	St>10				St=5	St>5	
12	40	50	5	17	27	17	M3×0.5	6	6	4	10.2	1	5.5	6.3	M5×0.8
16	42.5	52.5	5.5	18.5	28.5	17	M3×0.5	6	6	4	11	1.5	6.5	7.3	M5×0.8
20	47.5	57.5	5.5	19.5	29.5	21	M4×0.7	8(St=5時6.5)		5	15	1.5	7.5	7.5	M6×1.0
25	54	64	6	21	31	25	M5×0.8	10(St=5時7)		6	17	2	8	8	M8×1.25
32	61.5	71.5	7	24.5	34.5	27	M6×1.0	8	12	6	22	3	8	9	M10×1.25
40	64	74	7	26	36	28	M8×1.25	8	12	7	28	3	8	10	M12×1.25
50	70	80	9	28	38	29	M10×1.5	8	15	8	38	4	8	10.5	M16×1.5
63	74	84	9	32	42	29	M10×1.5	10	15	8	40	4	9.5	11.8	M16×1.5
80	92.5	102.5	11	41	51	35.5	M14×1.5	13	20	10	45	5	11.5	14.5	M20×1.5
100	110.5	120.5	12	51	61	42.5	M18×1.5	18	20	13.5	55	5	16	20.5	M27×2.0

MAL series aluminum mini cylinder



Order Code

MAL - CA - 32x50 - B - FA

MAL — Series
Mal: standard double acting type
Mald: double rod double acting
Malj: double rod adjustable stroke
Msal: single acting push

CA — Back cover
Blank: pivot type
Cm:round type
U:flat–end type

32x50 — Bore size*stroke

B — Magnet
Blank: without magnet
S:with magnet

FA — Mounting type
Blank: basic
Fa:front flange type
Sdb:back flange type
Lb:foot bracket type

Criteria for selection

Type \ Bore size	16	20	25	32	40
auto switch	CS1-F CS1-U				
Auto switch mounting base	MAL-16	MAL-20	MAL-25	MAL-32	MAL-40

Specification

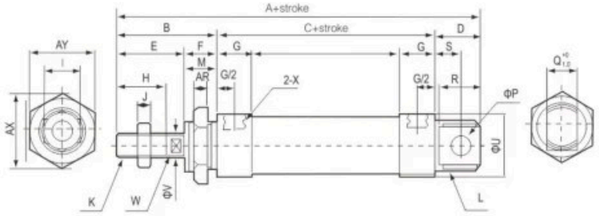
Bore size(mm)	16	20	25	32	40
Acting type	Double acting				
Working Medium	Air(to be filtered by 40μm filter element)				
Operating pressure	0.1~0.9Mpa(1~9kgf/cm^2)				
Proof pressure	1.35Mpa(13.5kgf/cm^2)				
Working temperature range	−5~60℃(unfreeze)				
Cushion type	Bumper				
Port size	M5	1/8"			
Body material	Stainless steel				

Stroke

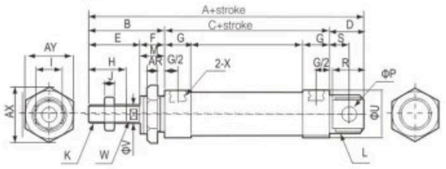
Bore size(mm)	Standard stroke(mm)	Max std stroke(mm)	Max stroke(mm)
12	25 50 75 100 125 150 175 200 250 300	500	800
16	25 50 75 100 125 150 175 200 250 300	500	800
20	25 50 75 100 125 150 175 200 250 300 350 400 500	800	1200
25	25 50 75 100 125 150 175 200 250 300 350 400 500	800	1200
40	25 50 75 100 125 150 175 200 250 300 350 400 500	1200	1500

Dimensions (mm)

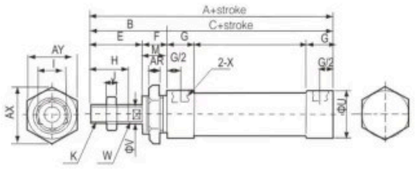
CA:blank: pivot type



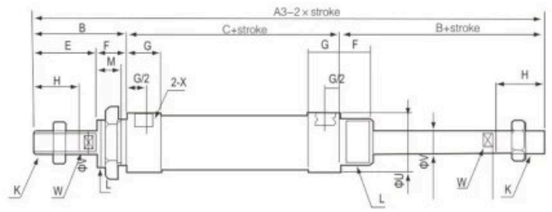
CM:round type



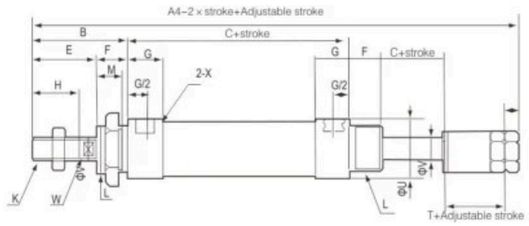
U:flat–end type



MALD:double rod double acting



MALJ:double rod adjustable stroke



bore size(mm)	A	A1	A2	A3	A4	B	C	D	D1	E	F	G	H	I	J
16	107	108	92	131	137	40	51	16	16	24	16	10	16	10	5
20	131	122	110	150	147	40	70	21	12	28	12	16	20	12	5
25	135	128	114	158	154	44	70	21	14	30	14	16	22	17	6
32	141	128	114	158	154	44	70	21	14	30	14	-	22	17	6
40	143	130	116	162	160	46	70	27	14	32	14	-	24	19	7

bore size(mm)	K	L	M	P	Q	R	S	U	V	X	AR	AX	AY
16	M6x1	M16x1.5	14	6	12	16	10	22	6	M5	6	25	22
20	M8x1.25	M22x1.5	10	8	16	19	12	30	8	RC1/8	7	33	29
25	M10x1.25	M22x1.5	12	8	16	19	12	34	10	RC1/8	7	33	29
32	M10x1.25	M24x2.0	12	10	16	25	15	39	12	RC1/8	8	37	32
40	M12x1.25	M30x2.0	12	12	20	25	15	49	16	RC1/4	9	47	41

Pamy Pneumatics Specialist
Executive Components

MA Series stainless steel Mini Cylinder

Order Code



MA - CA - 32x50 - S - FA

- MA — Series
  - MA: Standard double acting type
  - MAD: Double rod double acting
  - MAJ: double rod adjustable stroke
  - MAC: double acting with cushion
- CA — back cover
  - blank: pivot type
  - CM:round type
  - U:flat–end type
- 32x50 — bore size*stroke
- S — magnet
  - S:with magnet
- FA — mounting type
  - blank: basic
  - FA:front flange type
  - FB:back flange type
  - LB:foot bracket type
  - SDB:rotary bracket type

Criteria for selection

type \ bore size	16	20	25	32	40
auto switch	CS1-F CS1-U				
auto switch mounting base	MA-16	MA-20	MA-25	MA-32	MA-40

Specification

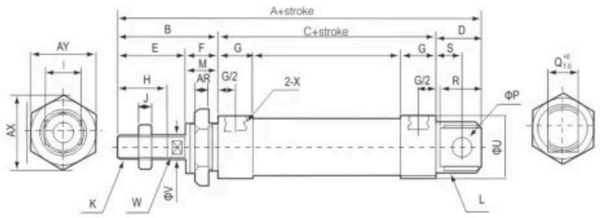
Bore size(mm)	16	20	25	32	40
Acting type	Double acting				
Working Medium	Air(to be filtered by 40 μ m filter element)				
Operating pressure	0.1~0.9Mpa(1~9kgf/cm^2)				
Proof pressure	1.35Mpa(13.5kgf/cm^2)				
Working Temperature range	–5~60℃(Unfreeze)				
Cushion type	without Cushion				
Port size	M5	1/8"			
Body material	stainless steel				

Stroke

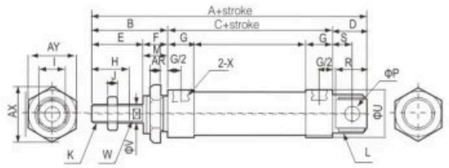
Bore size(mm)	Standard Stroke(mm)	Max std Stroke(mm)	Max Stroke(mm)
16	25 50 75 100 125 150 175 200 250 300	500	800
20	25 50 75 100 125 150 175 200 250 300	500	800
25	25 50 75 100 125 150 175 200 250 300 350 400 500	800	1200
32	25 50 75 100 125 150 175 200 250 300 350 400 500	800	1200
40	25 50 75 100 125 150 175 200 250 300 350 400 500	1200	1500

Dimensions (mm)

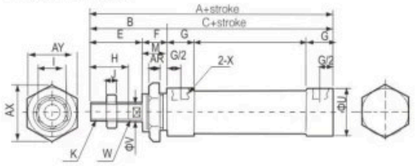
CA:blank: pivot type



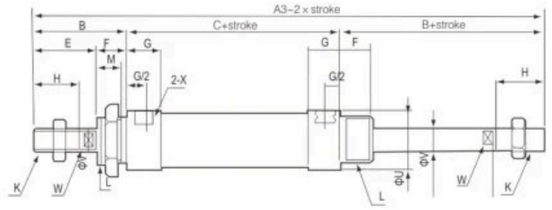
CM:round type



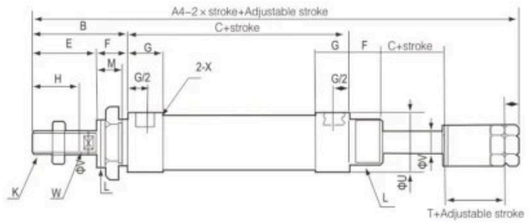
U:flat-end type



MALD:double rod double acting



MALJ:double rod adjustable stroke



bore size(mm)	A	A1	A2	A3	A4	B	C	D	D1	E	F	G	H	I	J
16	107	108	92	131	137	40	51	16	16	24	16	10	16	10	5
20	131	122	110	150	147	40	70	21	12	28	12	16	20	12	5
25	135	128	114	158	154	44	70	21	14	30	14	16	22	17	6
32	141	128	114	158	154	44	70	21	14	30	14	16	22	17	6
40	143	130	116	162	160	46	70	27	14	32	14	16	24	19	7

bore size(mm)	K	L	M	P	Q	R	S	U	V	X	AR	AX	AY
16	M6x1	M16x1.5	14	6	12	16	10	22	6	M5	6	25	22
20	M8x1.25	M22x1.5	10	8	16	19	12	30	8	RC1/8	7	33	29
25	M10x1.25	M22x1.5	12	8	16	19	12	34	10	RC1/8	7	33	29
32	M10x1.25	M24x2.0	12	10	16	25	15	39	12	RC1/8	8	37	32
40	M12x1.25	M30x2.0	12	12	20	25	15	49	16	RC1/4	9	47	41

TN Series double rod Cylinder

Order Code



TN - 25x20

TN: Series; 25x20: bore size X stroke

Specification

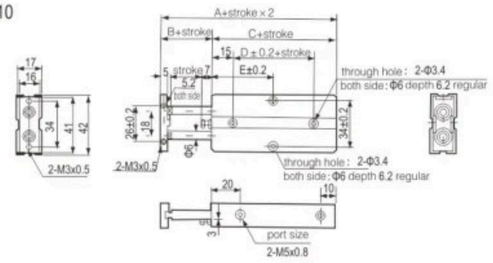
Bore size(mm)	10	16	20	25	32
Acting type	Double acting				
Working Medium	Air(to be filtered by 40μm filter element)				
Operating pressure	0.1~0.9Mpa(1~9kgf/cm²)				
Proof pressure	1.35Mpa(13.5kgf/cm²)				
Working Temperature	-5~60℃(Unfreeze)				
Cushion type	bumper				
Port size	M5x0.8				G1/8"
Body material	Aluminum alloy				

criteria for selection

Bore size(mm)	Standard Stroke(mm)	Tolerate Stoke(mm)	Max. Stroke(mm)	Sensor Switch
10	10 20 30 40 50 60 70	70	100	CS1-G
16	10 20 30 40 50 60 70 80 90 100 125 150	150	200	
20	10 20 30 40 50 60 70 80 90 100 125 150	150	200	
25	10 20 30 40 50 60 70 80 90 100 125 150	150	200	
32	10 20 30 40 50 60 70 80 90 100 125 150	150	200	

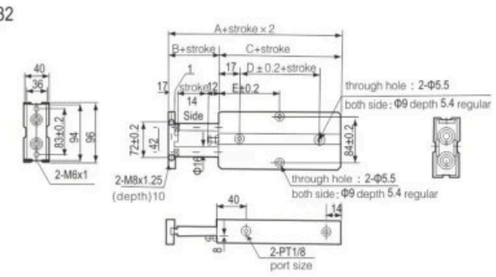
Dimensions (mm)

Φ10



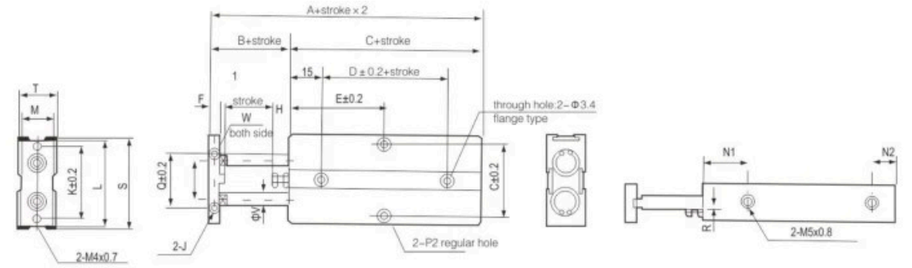
Bore size (mm)	A	B	C	D	stroke	10	20	30	40	50	60	70
					≤							
10	58	12	46	10	E	30	30	35	40	45	50	55

Φ32



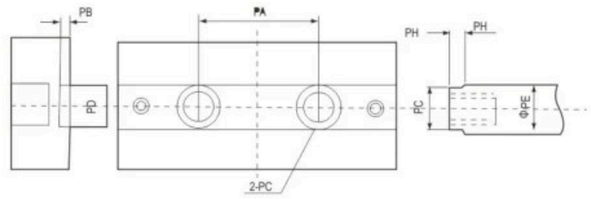
Bore size (mm)	A	B	C	D	stroke	10	20	30	40	50	60	70	80	90	100	125	150	175
					≤													
10	108	30	78	35	E	45	50	55	60	65	70	75	80	85	95	102.5	115	122.5

Φ16 Φ25Bore size



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

Bore size(mm)	J	K	L	M	N1	N2	P1	P2	Q	R	S	T	V	W
16	M4×0.7depth5	47	53	20	22	10	both side:Φ7.5depth7.2mm through hole Φ4.5	both side:Φ8depth4. 4mm through hole Φ4.5	34	4	54	21	8	6.2
20	M4×0.7depth5	55	61	24	25	12	both side:Φ7.5depth7.2mm through hole Φ4.5	both side:Φ8depth4. 4mm through hole Φ4.5	44	6	62	25	10	8.2
25	M4×0.7depth5	66	72	29	30	12	both side:Φ7.5depth7.2mm through hole Φ4.5	both side:Φ8depth4. 4mm through hole Φ4.5	56	7	73	30	12	10.2



Bore size(mm)	PA	PB	PC	PD	PE	PF	PG	PH
10	18	0.5	Φ6.2depth3.5mm through hole Φ3.5	5.2	6	3	5.2	M3x0.5 depth 5mm
16	24	1	Φ7.8depth4.6mm through hole Φ4.5	6.2	8	3	6.2	M4x0.7depth 6mm
20	28	1	Φ11depth6.8mm through hole Φ6.5	8.2	10	3	8.2	M6x1depth 8mm
25	34	1	Φ11depth6.8mm through hole Φ6.5	10.5	12	3	10.5	M6x1depth 8mm
32	42	2	Φ17depth12mm through hole Φ10.5	14	16	3	14	M10x1.5 depth 1mm

MGP Series Compact Guide Cylinder



Order Code

MPG	M	-	25x300
Series	M:Sliding bearing L:ball bearing		bore size*stroke

Magnetic switch options

Type \ Bore size	12	16	20	25	32	40	50	63	80	100
Auto switch	D-Z73									

Specification

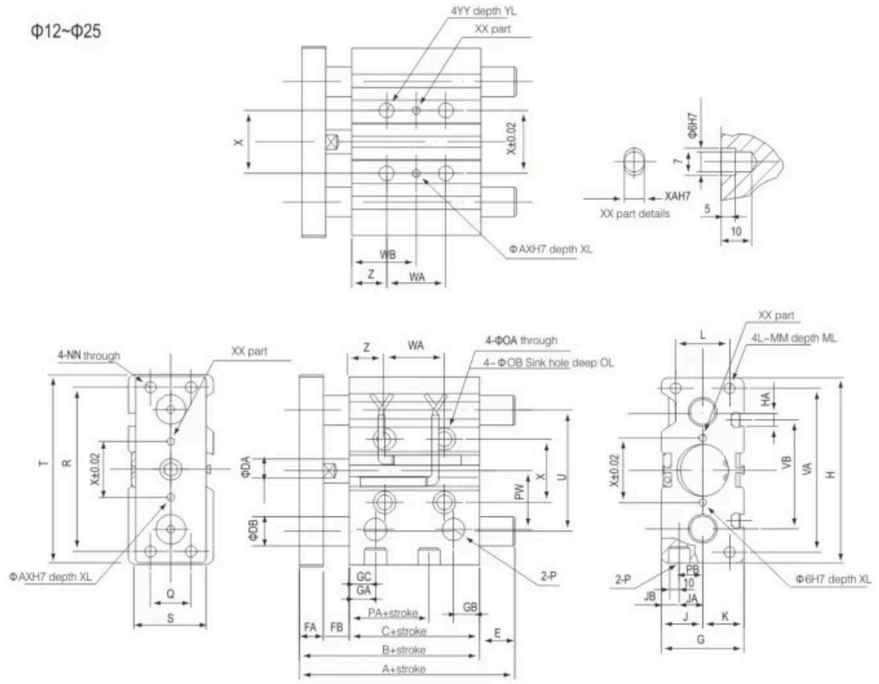
Bore size(mm)		12	16	20	25	32	40	50	63	80	100
Working Medium		Air(to be filtered by 40 μ m filter element)									
Acting type		double acting									
Max working pressure		1.0Mpa									
Min working pressure		0.12Mpa		0.1Mpa							
Ambient and Working Medium temperature		-5~60℃(Unfreeze)									
Operating speed mm/s		50-1000mm/s									
Cushion		Both Ends With Rubber Cushion									
Stroke tolerance mm		0+1.5									
Lubrication*		Not Required									
bearing		Sliding oil/ball bearing									
Rod Non-rotation Accuracy	Sliding bearing	± 0.08°		± 0.07°		± 0.06°		± 0.05°		± 0.05°	
	Ball Bearing	± 0.10°		± 0.09°		± 0.08°		± 0.06°		± 0.06°	
Port size		M5x0.8		1/8				1/4		3/8	
Body Material		Aluminum alloy									

Stroke

Bore size(mm)	Standard Stroke(mm)
12	10 20 30 40 50 100
16	10 20 30 40 50 100 125 150 175 200
20	20 30 40 50 75 125 150 175 200 250 300
25	20 30 40 50 75 125 150 175 200 250 300
32	25 50 75 100 125 150 175 200 250 300
40	25 50 75 100 125 150 175 200 250 300
50	25 50 75 100 125 150 175 200 250 300
63	25 50 75 100 125 150 175 200 250 300
80	25 50 75 100 125 150 175 200 250 300 350 400
100	25 50 75 100 125 150 175 200 250 300 350 400

Dimensions (mm)

Φ12~Φ25



MGPM, MGPL Common size

Bore Size(mm)	Stroke(mm)	B	C	DA	FA	FB	G	GA	GB	H	HA	J	K	L	MM	ML	NM	OA	OB	OL	P	PA	PB	PW
12	10,20,30,40,50,75,100,125,	42	29	6	8	5	26	11	7.5	58	M4	13	13	18	M4x0.7	10	M4x0.7	4.3	8	4.5	M5x0.8	13	8	18
16	150,175,200,250	46	33	8	8	5	30	11	8	65	M4	15	15	22	M5x0.8	12	M5x0.8	4.3	8	4.5	M5x0.8	15	10	19
20	20,30,40,50,75,100,125,150,	53	37	10	10	6	36	10.5	8.5	83	M5	18	18	24	M5x0.8	13	M5x0.8	5.6	9.5	5.5	1/8	12.5	10.5	25
25	175,200,250,300,350,400	53.5	37.5	12	10	6	42	11.5	9	93	M5	21	21	30	M6x1.0	15	M6x1.0	5.6	9.5	5.5	1/8	12.5	13.5	28.5

Bore Size(mm)	R	S	T	U	VA	VB	WA					WB					X	XA	XB	XC	XL	YY	YL	Z
							30st or less	30st~100st	100st~200st	200st~300st	over 300st	30st or less	30st~100st	100st~200st	200st~300st	over 300st								
12	48	22	56	41	50	37	20	40	110	200	-	15	25	60	105	-	23	3	3.5	3	6	M5x0.8	10	5
16	54	25	62	46	56	38	24	44	110	200	-	17	27	60	105	-	27	3	3.5	3	6	M5x0.8	10	5
20	70	30	81	54	72	44	24	44	120	200	300	29	39	77	117	167	28	3	3.5	3	6	M6x1.0	12	17
25	78	38	91	64	82	55	24	44	120	200	300	29	39	77	117	167	34	4	4.5	3	6	M6x1.0	12	17

MGPM(Sliding bearing)A,DB,E

Bore Size(mm)	A			DB	E		
	50st or less	50st~100st	over 100st		50st or less	50st~100st	over 100st
12	42	60.5	60.5	8	0	18.5	43
16	46	64.5	64.5	10	0	18.5	49

MGPL(ball bearing)A,DB,E

Bore Size(mm)	A			DB	E		
	50st or less	50st~100st	over 100st		50st or less	50st~100st	over 100st
12	43	55	85	6	1	13	43
16	49	65	95	8	3	19	49

MGPM(Sliding bearing)A,DB,E

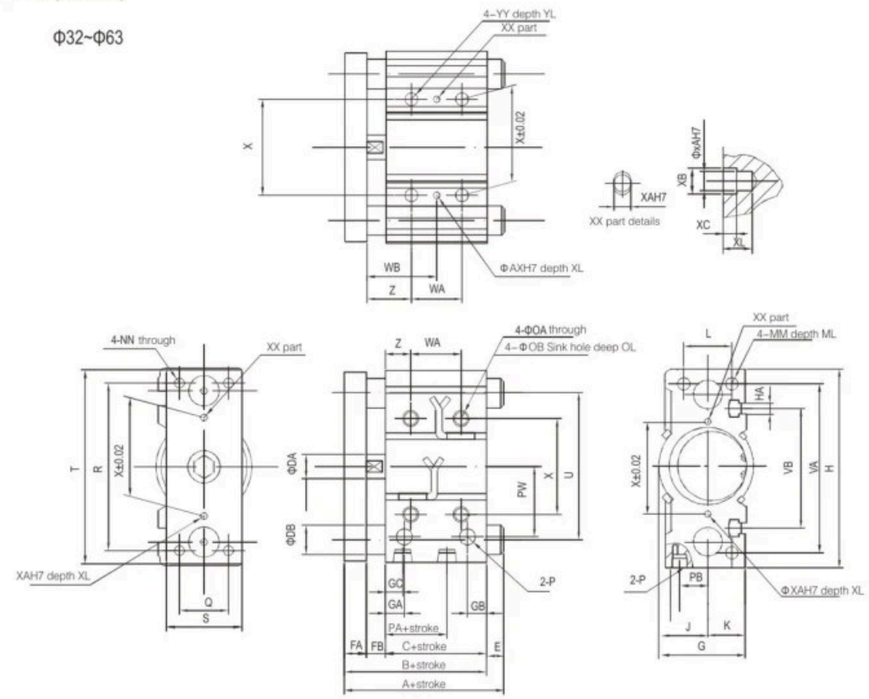
Bore Size(mm)	A			DB	E		
	50st or less	50st~100st	over 100st		50st or less	50st~100st	over 100st
12	53	84.5	122	12	0	31.5	69
16	53.5	85	122	16	0	31.5	68.5

MGPL(ball bearing)A,DB,E

Bore Size(mm)	A				DB	E			
	30st or less	30st~100st	100st~200st	over 200st		30st or less	30st~100st	100st~200st	over 200st
12	63	80	104	122	10	10	27	51	69
16	69.5	85.5	104.5	122	13	10	32	51	68.5

Dimensions (mm)

Φ32~Φ63



MGPM, MGPL Common size

Bore Size(mm)	Stroke(mm)	B	C	DA	FA	FB	G	GA	GB	H	HA	J	K	L	MM	ML	NM	OA	OB	OL	P	PA	PB	PW	Q
32	10,20,30,40,50,75,100,125,	59.5	37.5	16	12	10	48	12.5	9	112	M6	24	24	34	M8x1.25	20	M8x1.25	6.6	11	7.5	1/8	7	15	34	30
40	150,175,200,250	66	44	16	12	10	54	14	10	120	M6	27	27	40	M8x1.25	20	M8x1.25	6.6	11	7.5	1/8	13	18	38	30
50	20,30,40,50,75,100,125,150,	72	44	20	16	12	64	14	11	148	M8	32	32	46	M10x1.5	22	M10x1.5	8.6	14	9	1/4	9	21.5	47	40
63	175,200,250,300,350,400	77	49	20	16	12	78	16.5	13.5	162	M10	39	39	58	M10x1.5	22	M10x1.5	8.6	14	9	1/4	14	28	55	50

Bore Size(mm)	R	S	T	U	VA	VB	WA					WB					X	XA	XB	XC	XL	YY	YL	Z
							30st or less	30st~100st	100st~200st	200st~300st	over 300st	30st or less	30st~100st	100st~200st	200st~300st	over 300st								
32	96	44	110	78	98	63	24	48	124	200	300	33	45	83	121	171	42	4	4.5	3	6	M8x1.25	16	21
40	104	44	118	86	106	72	24	48	124	200	300	34	46	84	122	172	50	4	4.5	3	6	M8x1.25	16	22
50	130	60	146	110	130	92	24	48	124	200	300	36	48	86	124	174	66	5	6	4	8	M10x1.5	20	24
63	130	70	158	124	142	110	28	52	128	200	300	38	50	88	124	174	80	5	6	4	8	M10x1.5	20	24

MGPM(Sliding bearing)A,DB,E

Bore Size(mm)	A			DB	E		
	50st or less	50st~100st	over 100st		50st or less	50st~100st	over 100st
32	97	102	140	20	37.5	42.5	80.5
40	97	102	140	20	31	36	71
60	106.5	118	161	25	34.5	46	89
63	106.5	118	161	25	29.5	41	84

MGPL(ball bearing)A,DB,E

Bore Size(mm)	A				DB	E			
	50st or less	50st~100st	100st~200st	over 200st		50st or less	50st~100st	100st~200st	over 200st
32	81	98	118	140	16	21.5	38.5	58.5	50.8
40	81	98	118	140	16	15	27	52	74
50	93	114	134	61	20	21	42	52	89
63	93	114	134	61	20	16	76	57	84

AC Series Shock Absorber



Order Code

AC	25	25	1	N
Series Code Auto Compensation	Sleeve Female Thread	Impact Stroke	Impact Speed 1.high Speed 2.medium Speed 3.low Speed	Buffer Cap Blank:with Buffer Cap N:without Buffer Cap

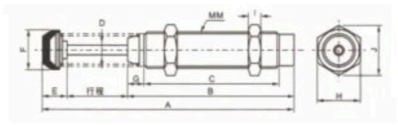
Technical Specification

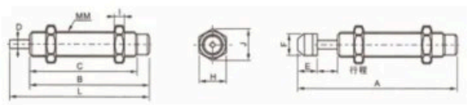
Model	Thread Size	Stroke Mm	Max. Absorbing Energy Nm	Valid Weight Value We(kg)	Tolerance Speed M/sec	Tolerance Speed Nm	Working Temperature ℃
AC0806	M8x1.0	6	2	0.5~6.0	0.8~2.0	8800	-10~+80
AC1005	M10x1.0	5	3	0.9~7.0	0.8~3.0	10800	-10~+80
AC1008	M10x1.0	8	4	2.0~9.0	0.8~3.0	15200	-10~+80
AC1210	M12x1.0	10	5	5.0~30	0.8~3.0	17640	-10~+80
AC1410	M14x1.5	10	13	8.0~100	0.8~3.0	28000	-10~+80
AC1412	M14x1.5	12	15	8.0~110	0.8~3.0	30000	-10~+80
AC1416	M14x1.5	16	20	10~150	0.8~3.0	35000	-10~+80
AC1420	M14x1.5	20	22	10~160	0.8~3.0	38000	-10~+80
AC1425	M14x1.5	25	25	12~170	0.8~3.0	40000	-10~+80
AC2015	M20x1.5	15	35	25~600	1.0~3.2	40000	-10~+80
AC2020	M20x1.5	20	40	30~700	1.0~3.5	40000	-10~+80
AC2025	M20x1.5	25	45	30~720	1.0~3.5	45000	-10~+80
AC2030	M20x1.5	30	50	30~750	1.0~3.5	48000	-10~+80
AC2050	M20x1.5	50	60	60~1200	1.0~3.5	60000	-10~+80
AC2525	M25x1.5	25	80	200~1500	1.0~4.0	54000	-10~+80
AC2530	M25x1.5	30	90	230~1800	1.0~4.0	60000	-10~+80
AC2540	M25x1.5	40	120	300~2000	1.0~4.0	75000	-10~+80
AC2550	M25x1.5	50	100	15~160	1.0~4.0	90000	-10~+80
AC2580	M25x1.5	80	150	20~200	1.0~4.0	120000	-10~+80
AC3660	M36x1.5	60	250	400~2400	1.0~4.0	120000	-10~+80
ACD2030	M20x1.5	30	45	40~900	1.0~4.0	55000	-10~+80
ACD2035	M20x1.5	35	52	10~650	1.0~4.0	63000	-10~+80

Dimensions (mm)



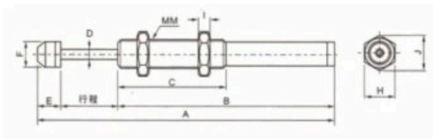
Model		Basic Type					With Hit Head			Hex Nut		
Basic Type	With Hit Head	Mm	L	B	C	D	A	E	F	H	I	J
AC0806-n	AC0806	M8x1.0	44	38	33	3	50.5	6.5	6.7	11	3	12.6
AC1005-n	AC1005	M10x1.0	33	28	23.5	3	39	6	8.7	12.7	3	14.5
AC1008-n	AC1008	M10x1.0	51	43	38.5	3	57	6	8.7	12.7	3	14.5
AC1210-n	AC1210	M12x1.0	60	50	45.5	3	70.3	9.5	10.3	14	4	16





Model	Basic Type							Hex Nut		
	Mm	A	B	C	D	E	F	G	H	I	J
AC2540	M25x1.5	211	137	116	8	34	22.5	10	32	10	36.7
AC3660	M36x1.5	247.8	162	134	10	25.8	35.8	17	45	15	53

Model		Basic Type					With Hit Head			Hex Nut		
basic type	with hit head	Mm	L	B	C	D	A	E	F	H	I	J
AC1410-N	AC1410	M14x1.5	88	78	69	4	101	13	12.2	19	6.5	21.6
AC1412-N	AC1412	M14x1.5	90	78	69	4	103	13	12.2	19	6.5	21.6
AC1416-N	AC1416	M14x1.5	111	95	86	4	124	13	12.2	19	6.5	21.6
AC1420-N	AC1420	M14x1.5	115	95	86	4	128	13	12.2	19	6.5	21.6
AC1425-N	AC1425	M14x1.5	135	110	101	4	148	13	12.2	19	6.5	21.6
AC2015-N	AC2015	M20x1.5	110	95	85.5	6	125	15	18	27	8	30.7
AC2020-N	AC2020	M20x1.5	115	95	85.5	6	130	15	18	27	8	30.7
AC2025-N	AC2025	M20x1.5	137	112	102.5	6	152	15	18	27	8	30.7
AC2030-N	AC2030	M20x1.5	142	112	102.5	6	157	15	18	27	8	30.7
AC2050-N	AC2050	M20x1.5	206.5	156.5	146.5	6	221.5	15	18	27	8	30.7
AC2525-N	AC2525	M25x1.5	136	111	100	8	152.5	16.5	23	32	10	36.7
AC2530-N	AC2530	M25x1.5	141	111	100	8	157.5	16.5	23	32	10	36.7



Model	Basic Type							Hex Nut		
	Mm	A	B	C	D	E	F	H	I	J
AC2550	M25x1.5	238	171.5	100	8	16.5	23	32	10	36.7
AC2580	M25x1.5	333.5	237	100	8	16.5	23	32	10	36.7

AD series shock absorber



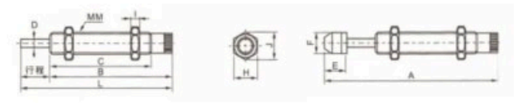
Order Code

AD	25	25	1	N
series code FC:adjustable type	sleeve female thread	Impact Stroke	Impact Speed 1.high Speed 2.medium Speed 3.low Speed	Buffer Cap Blank:with Buffer Cap N:without Buffer Cap

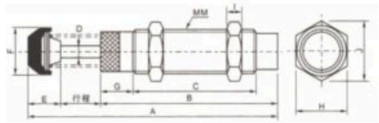
Specification

Model	Thread Size	Stroke mm	Max. Absorbing Energy Nm	Valid Weight Value We(kg)	Tolerance Speed M/sec	Tolerance Speed Nm	Working Temperature °C
AD1410	M14x1.5	10	20	2.9~120	3.2	27000	-10~+80
AD1412	M14x1.5	12	20	2.9~120	3.2	27000	-10~+80
AD1416	M14x1.5	16	22	2.9~150	3.2	27000	-10~+80
AD1420	M14x1.5	20	22	2.9~150	3.2	27000	-10~+80
AD1425	M14x1.5	25	25	2.9~150	3.2	27000	-10~+80
AD2016	M20x1.5	16	28	5.5~224	3.2	33600	-10~+80
AD2020	M20x1.5	20	35	6.8~280	3.2	42000	-10~+80
AD2025	M20x1.5	25	40	7.9~330	3.2	50000	-10~+80
AD2030	M20x1.5	30	45	8.5~450	3.2	58000	-10~+80
AD2050	M20x1.5	50	60	12.5~500	3.2	60200	-10~+80
AD2525	M25x1.5	25	78	15.2~624	3.5	70200	-10~+80
AD2530	M251.5	30	105	18.4~785	3.5	79000	-10~+80
AD2540	M25x1.5	40	122	23.8~976	3.5	87800	-10~+80
AD2550	M25x1.5	50	148	24.2~1048	3.5	96700	-10~+80
AD2580	M25x1.5	80	190	16.1~1100	3.5	13000	-10~+80
AD3625	M36x1.5	25	180	21~880	3.2	81000	-10~+80
AD3650	M36x1.5	50	220	43~1760	3.2	105600	-10~+80
AD4225	M42x1.5	25	280	55~3200	3.7	125000	-10~+80
AD4250	M42x1.5	50	500	60~4000	4.5	150000	-10~+80
AD4275	M42x1.5	75	750	70~6000	4.5	180000	-10~+80

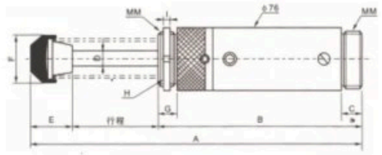
Dimensions (mm)



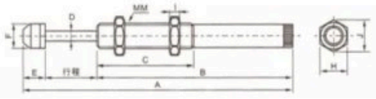
Model		Basic Type					With Hit Head			Hex Nut		
Basic Type	With Hit Head	MM	L	B	C	D	A	E	F	H	I	J
AD1410-N	FC1410	M14x1.5	90.8	80.8	69	3.5	103.8	13	12.2	19	6.5	21.6
AD1412-N	FC1412	M14x1.5	92.8	80.8	69	4	105.8	13	12.2	19	6.5	21.6
AD1416-N	FC1416	M14x1.5	113.8	97.8	86	4	126.8	13	12.2	19	6.5	21.6
AD1420-N	FC1420	M14x1.5	117.8	97.8	86	4	130.8	13	12.2	19	6.5	21.6
AD1425-N	FC1425	M14x1.5	137.8	112.8	101	4	150.8	13	12.2	19	6.5	21.6
AD2016-N	FC2016	M20x1.5	117.5	101.5	85.5	6	132.5	15	18	27	8	30.7
AD2020-N	FC2020	M20x1.5	121.5	101.5	85.5	6	136.5	15	18	27	8	30.7
AD2025-N	FC2025	M20x1.5	143.5	118.5	102.5	6	158.5	15	18	27	8	30.7
AD2030-N	FC2030	M20x1.5	148.5	118.5	102.5	6	163.5	15	18	27	8	30.7
AD2050-N	FC2050	M20x1.5	213	163	146.5	6	228	15	18	27	8	30.7
AD2525-N	FC2525	M25x1.5	142	117	100	8	159.5	16.5	23	32	10	36.7
AD2530-N	FC2530	M25x1.5	147	117	100	8	163.5	16.5	23	32	10	36.7



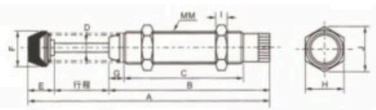
Model	Dimension								Hex Nut		
	MM	A	B	C	D	E	F	G	H	I	J
AD4225	M42x1.5	186.5	127.5	88	12	34	44.5	28.5	50	15	58
AD4250	M42x1.5	241	157	117.5	12	39	44.5	28.5	50	15	58
AD4275	M42x1.5	301.5	187.5	148	12	39	44.5	28.5	50	15	58



Model	Dimension								Hex Nut	
	MM	A	B	C	D	E	F	G	H	I
AD64050	UNF 2 1/2-12	247.8	146	26	20	51.8	59	23	ϕ76.2	9.4
AD64100	UNF 2 1/2-12	347.8	196	26	20	51.8	59	23	ϕ76.2	9.4
AD64150	UNF 2 1/2-12	467.8	256	26	20	61.8	59	23	ϕ76.2	9.4



Model	Dimension							Hex Nut		
	MM	A	B	C	D	E	F	H	I	J
AD2550	M25x1.5	244	177.5	100	8	16.5	23	32	10	36.7
AD2580	M25x1.5	339.5	243	100	8	16.5	23	32	10	36.7



Model	Dimension								Hex Nut		
	MM	A	B	C	D	E	F	G	H	I	J
AD2540	M25x1.5	217	143	116	8	34	22.5	10	32	10	36.7
AD3625	M36x1.5	184	133	103	10	25.8	35.8	10	45	15	53
AD3650	M36x1.5	247.5	171.5	134	10	25.8	35.8	17	45	15	53

Cylinder Accessories



Model
CS1 Series Sensor Switch



Model
D Series Sensor Switch



Model
Sensor Switch Bracket



Model
Floating Joint



Model
Fisheye Joint



Model
LB type bracket



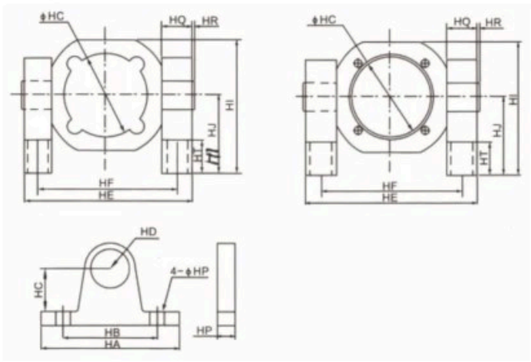
Model
SDB Single earring with base (MAL type)



Model
LB bracket

SC Series TC–M



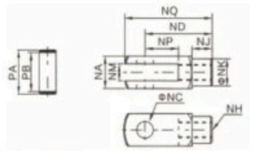


bore size/mark	32	40	50	63	80	100	125	160	200
HA	110	112	112	112	121	121	146	187	187
HB	80	83	83	83	86	86	110	140	140
HP	11	11	11	11	14	14	16	22	22
HD	12	25	25	25	25	25	30	32	32
HC	50	50	50	50	70	70	85	132	132
HI	23	23	23	23	23	23	24	32	32

SC Series Standard Cylinder Accessories

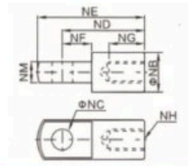
Y Joint TIE–IN





I Joint TIE–IN

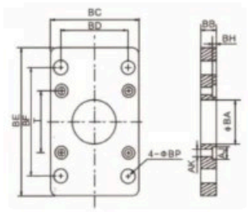




Bore Size/mark	NA	NC	ND	NH	NJ	NK	NM	NP	NQ	PA	PB	NB	NC	ND	NE	NF	NG	NH	NM
32	19	Φ10	40	M10X1.25	14	17	10	20	52	28	19.5	18	10	43	52	16	20	M10X1.25	10
40	23	Φ12	48	M12X1.25	17	22	12	24	62	32	26	22	12	52	63	21	20	M12X1.25	12
50/63	31	Φ16	64	M16X1.5	24	26	16	31	80	41	33	26	16	59	73	23	23	M16X1.5	16
80/100	39	Φ20	80	M20X1.5	31	32	21	39	100	48	45	32	20	86	102	35	30	M20X1.5	20
125	60	Φ25	98	M27X2	31	38	36	40	119	71	51	49	25	100	127	44	45	M27X2	34
160/200	75	Φ30	125	M36X2	45	51	43	43	150	86	81	67	30	133	167	40	50	M36X2	40
250	90	Φ40	130	M42X2	60	69	52	50	170	107		80	40	135	175	50	70	M42X2	50

FA/FB Flange

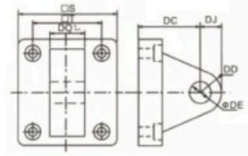




Bore Size/mark	32	40	50	63	80	100	125	160	200	250
BA	29.5	34	40	40	50	50	62	66	81	93
BB	10	10	10	12	15	16	18	20	25	30
BC	47	50	65	75	95	115	140	180	220	280
BD	33	36	47	56	70	84	90	115	135	165
BE	72	84	104	116	143	162	224	280	320	385
BF	58	70	86	98	119	138	180	230	270	330
BH	6.5	6.5	6.5	8.5	10.5	10.5	15	20	20	–
AJ	10.5	10.5	10.5	13.5	16.5	16.5	19	25	25	–
AK	6.5	6.5	6.5	8.5	10.5	10.5	12.5	16.5	16.5	M20
BP	7	7	9	9	11	11	16	18	19	26
T	33	37	47	56	70	84	110	140	175	220

CA Single Earring

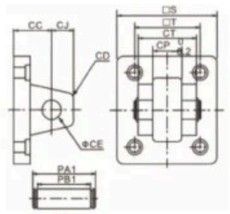




Bore Size/mark	32	40	50	63	80	100	125	160	200	250
S	48	50	62	75	94	112	140	180	220	280
T	33	37	47	56	70	84	110	145	180	225
DC	34	34	34	34	48	48	50	55	60	70
DD	14	14	15	15	20	20	25	30	30	40
DE	12	14	14	14	20	20	25	30	30	40
DJ	14	14	15	15	20	20	25	30	30	40
DQ	16	20	20	20	32	32	70	90	90	110

CB Double Earring

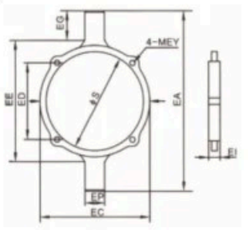




Bore Size/mark	32	40	50	63	80	100	125	160	200	250
CC	19	19	19	19	32	32	50	55	60	70
CD	5	5	3	3	8	8	25	30	30	40
CE	12	14	14	14	20	20	25	30	30	40
CJ	13	13	15	15	21	21	25	30	30	40
DQ	16.3	20.3	20.3	20.3	32.3	32.3	70	90	90	110
CT	32	44	52	52	64	64	120	160	160	200
PA1	4.1	52	59	63	71	71	128	180	182	240
S	48	50	62	75	94	112	140	180	220	280
T	33	37	47	56	70	84	110	145	180	225

TC Middle Swaying Shaft





Bore Size/mark	EA	EC	ED	EP	S	EG	EI	EY	EE
32	87	53	33	12	38	16	20	M6	54
40	108	60	37	25	46	24	30	M6	57
50	115	70	47	25	55	24	30	M6	67
63	138	86	56	25	70	25	30	M8	81
80	163	111	70	25	87	25	30	M10	100
100	180	130	84	25	108	25	30	M10	124
125	213	161	110	30	134	26	36	M12	146
160	266	202	145	32	174	32	40	M16	195
200	322	250	180	32	216	36	50	M16	243
250	396	300	225	40	273	40	51	M20	313