

A

Series

Direct operated solenoid valves
Metal seal, In-line mounting/Sub-base mounting

A



A Series

Lapped spool and sleeve, direct operated solenoid valves

Solenoid valves of A series are made of a metal seal and a spool valve. It provides a choice of 3-port and 5-port, 2-position and 3-position with single or double solenoid, as well as 3-position with closed center and ABR contact type, in conformity with customer's need.

- **High strength with endurance**

Body, solenoid valve cap, and sub-base are made of high-strength aluminum alloy casting.

- **Simplistic structure**

Extremely simplistic design, guaranteed easy and convenient repairment in case of malfunction.

- **Compact with light weight**

Compact with light weight, easy to install.

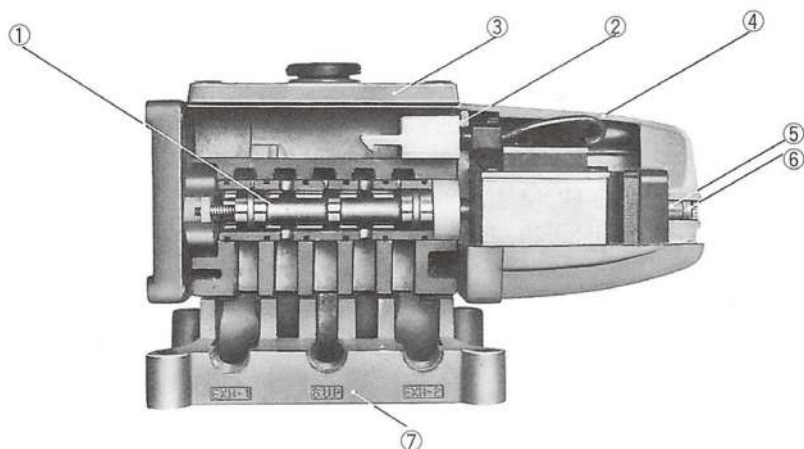
- **Easy to maintain**

Fontal enables the interchangeability with enhanced convenience, allowing parts in A series can be mounted at the sub-base without interfering installation or piping and wiring. Simply insert into an available port; this solenoid valve can be used as normally open or normally close.

Different pressure would not have an impact on this type of balanced solenoid valve.

- **It can be used in low vacuum application.**





1. Precision lapped spool and sleeve

Made of special heat-treated stainless steel, precision lapped spool and sleeve are equipped with resistance against wear and corrosion and longest life guarantee.

2. Large-sized terminal with sufficient space for installment

Large-sized terminal with spring gasket has sufficient space to make wiring easier and to prevent unintended contact from occurring.

3. Indicator light

Indicator light can be equipped based on the need of customers. It provides a visual indication for solenoid energization.

4. Easily replaceable solenoid parts

Coil and cover are unified. Easily installed and replaced with loosening four mounting screws. Highly reliable and enduring, with the feature to be immediately changed for long-term use.

5. Manual piston switch

When supplied power is off, manual piston switch allows manual operation of the valve.

6. Locking button (optional)

Locking button can be installed.

7. Bottom porting, manifold mounting are available

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A06 Series

3/5-Port Direct Operated Solenoid Valve
Metal Seal, In-line mounting/Sub-base Mounting type

- AS2306**
3□2-position, single solenoid
- AS2406**
5□2-position, single solenoid
- AD2406**
5□2-position, double solenoid
- AD3406**
5□3-position, closed center
- ADE3406**
5□3-position, ABR connect

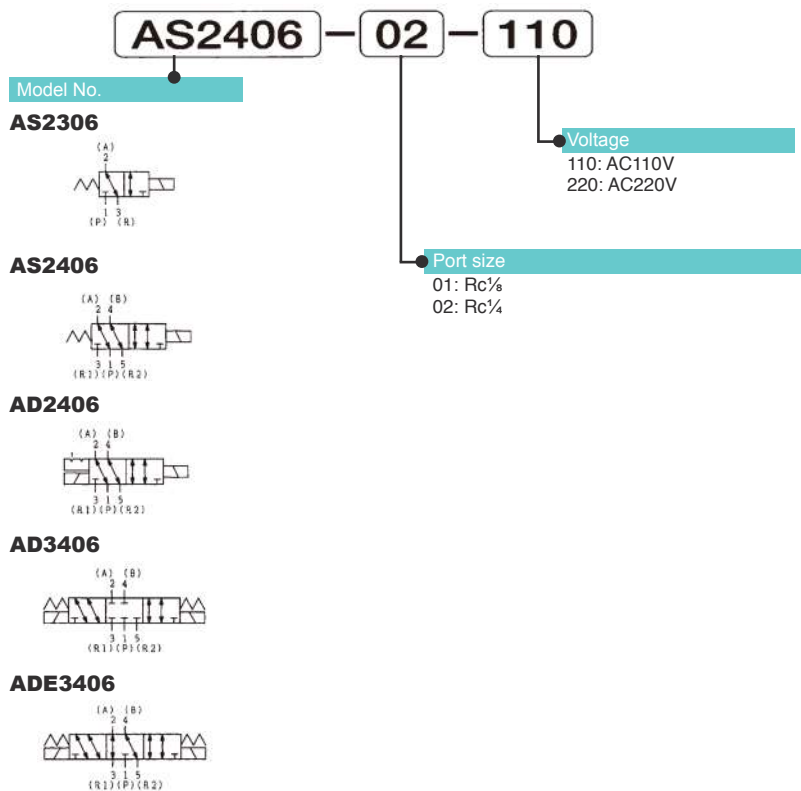


Specifications

Model No.				Unit	AS2306	AS2406	AD2406	AD3406	ADE3406
Fluid					Non-lubricated/lubricated air				
Port size					Rc⅝, ¼				
Effective area				mm ²	9	10	10	9	9
CV value					0.49	0.54	0.54	0.49	0.49
Operating ambient temperature				°C	-5~60				
Operating pressure range				MPa	-0.1~1				
Maximum frequency				cycle/min	600	600	600	360	360
Response time (at 0.5MPa)				s (average)	0.012	0.013	0.012	0.015	0.015
Rated voltage				V	AC/110, 220				
Grade of insulation					JIS grade B				
Permission voltage fluctuation				%	±10				
Rated frequency				Hz	50/60				
Apparent power	AC	Activation	50Hz	VA	13			13	
			60Hz	VA	8.5			8.5	
		Continuous	50Hz	VA	37			43	
			60Hz	VA	32			39.5	
Mass				kg	0.34	0.47	0.66	0.68	0.68



- Supply complete-dry air to avoid freezing when temperature of valve site falls below 5°C
- Response time shown above is in accordance with JIB B 8375
- Effective area shown above is a value between ports 1 and 2, 4

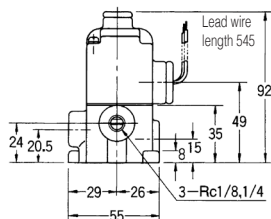
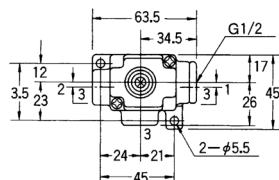


Optional Parts and Spare Parts

Parts Name		Model No.
Solenoid	AC110V	A06-10310
	AC220V	A06-20310
Sub-base	Rc $\frac{1}{8}$	A06-SB-01
	Rc $\frac{1}{4}$	A06-SB-02
Base gasket		A06-G
Spring	For 2-position	A06-SS
	For 3-position	A06-3S

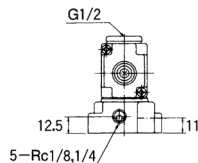
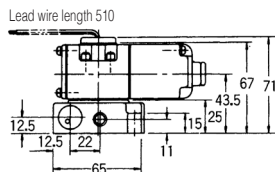
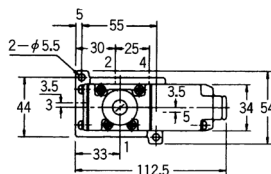
AS2306

(Unit: mm)



AS2406

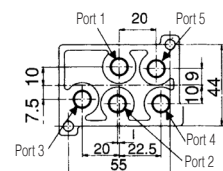
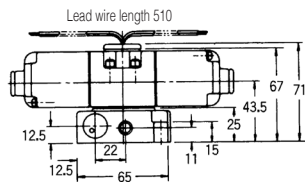
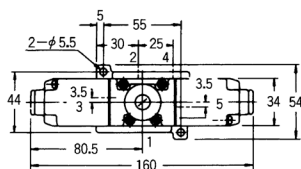
(Unit: mm)



AD2406

(Unit: mm)

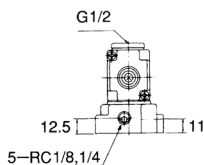
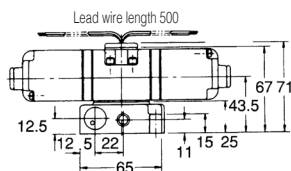
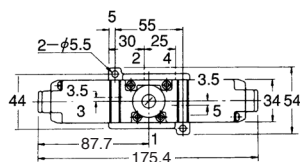
Bottom porting (Unit: mm)



Port size: Rc%
Bottom porting is made to order

AD3406, ADE3406

(Unit: mm)



A08 Series

3/5-Port Direct Operated Solenoid Valve
Metal Seal, In-line mounting/Sub-base Mounting type

AS2308

3□2-position, single solenoid

AS2408

5□2-position, single solenoid

AD2408

5□2-position, double solenoid

AD3408

5□3-position, closed center

ADE3408

5□3-position, ABR connect



Specifications

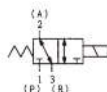
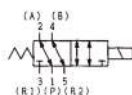
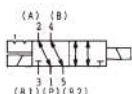
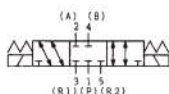
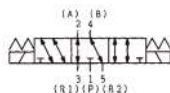
Model No.				Unit	AS2308	AS2408	AD2408	AD3408	ADE3408
Fluid					Non-lubricated/lubricated air				
Port size					Rc¼, %				
Effective area				mm²	22	30	30	25	25
CV value					1.19	1.63	1.63	1.36	1.36
Operating ambient temperature				°C	-5~60				
Operating pressure range				MPa	-0.1~1				
Maximum frequency				cycle/min	400	400	400	250	250
Response time (at 0.5MPa)				s (average)	0.013	0.015	0.01	0.015	0.015
Rated voltage				V	AC/110, 220				
Grade of insulation					JIS grade B				
Permission voltage fluctuation				%	±10				
Rated frequency				Hz	50/60				
Apparent power	AC	Activation	50Hz	VA	25			25	
			60Hz	VA	14			14	
		Continuous	50Hz	VA	130			170	
			60Hz	VA	110			140	
Mass				kg	0.7	1.0	1.4	1.5	1.5



- Supply complete-dry air to avoid freezing when temperature of valve site falls below 5°C
- Response time shown above is in accordance with JIB B 8375
- Effective area shown above is a value between ports 1 and 2, 4

AS2408**02****110****P**

Model No.

AS2308**AS2408****AD2408****AD3408****ADE3408**

Versions

No mark : Standard

I : With indicator light

K : With surge suppressor

P : With indicator light & surge suppressor

Voltage

110: AC110V

220: AC220V

Port size

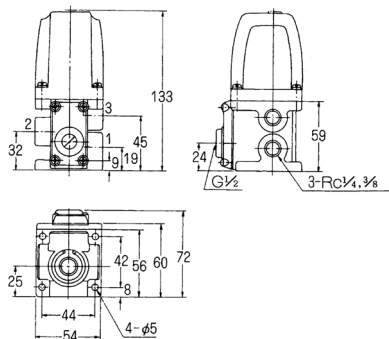
02: Rc $\frac{1}{4}$ 03: Rc $\frac{3}{8}$

Optional Parts and Spare Parts

Parts Name		Model No.
Solenoid unit for 2-position	AC110V	A08-10510
	AC220V	A08-20520
Solenoid unit for 3-position	AC110V	A08-10910
	AC220V	A08-20920
Sub-base	Rc $\frac{1}{4}$	A08-SB-02
	Rc $\frac{3}{8}$	A08-SB-03
Base gasket		A08-G
Spring	For 2-position	A08-SS
	For 3-position	A08-3S

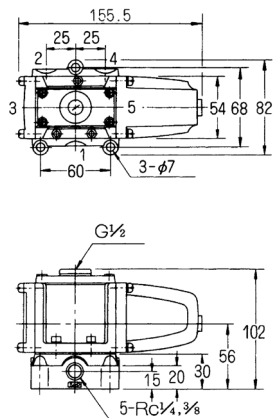
AS2308

(Unit: mm)



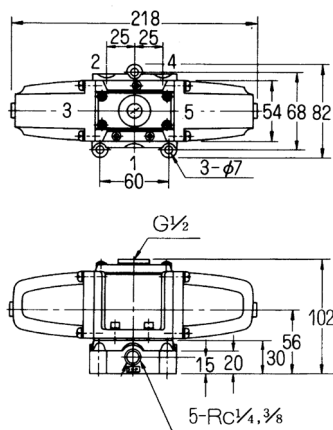
AS2408

(Unit: mm)



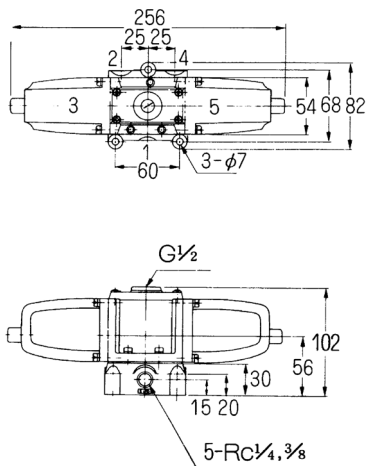
AD2408

(Unit: mm)



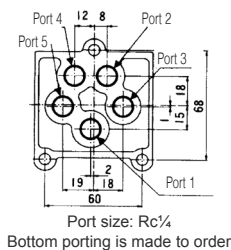
AD3408, ADE3408

(Unit: mm)



Bottom porting

(Unit: mm)



A10 Series

3/5-Port Direct Operated Solenoid Valve
Metal Seal, In-line mounting/Sub-base Mounting type

AS2310

3□2-position, single solenoid

AS2410

5□2-position, single solenoid

AD2410

5□2-position, double solenoid

AD3410

5□3-position, closed center

ADE3410

5□3-position, ABR connect

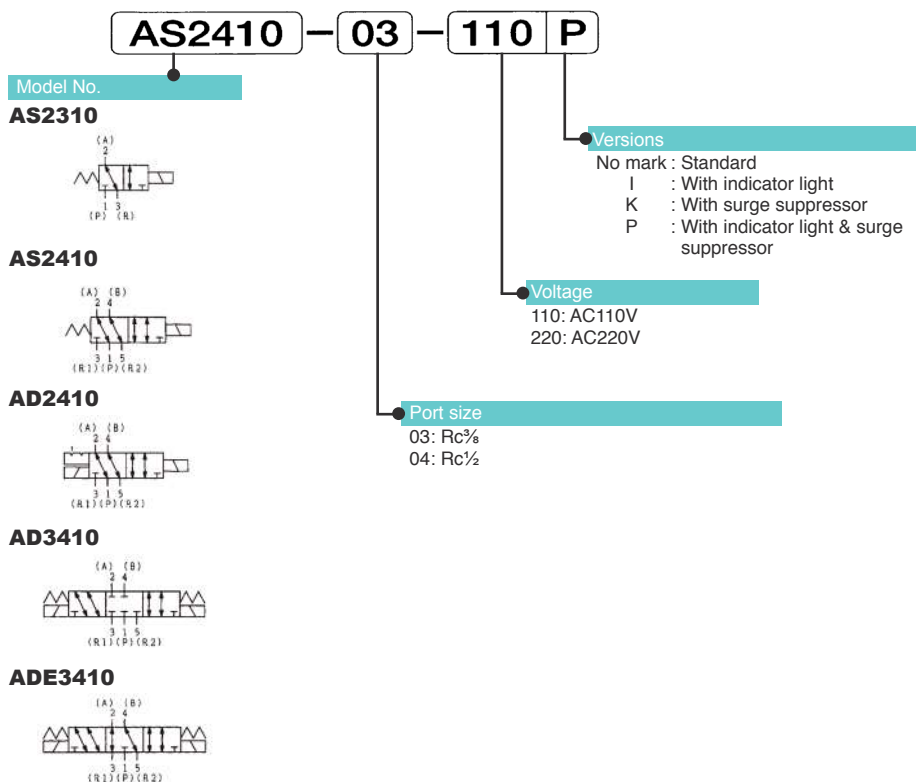


Specifications

Model No.				Unit	AS2310	AS2410	AD2410	AD3410	ADE3410
Fluid					Non-lubricated/lubricated air				
Port size					Rc⅝, ½				
Effective area				mm ²	38	50	50	50	50
CV value					2.06	2.71	2.71	2.71	2.71
Operating ambient temperature				°C	-5~60				
Operating pressure range				MPa	-0.1~1				
Maximum frequency				cycle/min	350	350	350	200	200
Response time (at 0.5MPa)				s (average)	0.016	0.02	0.015	0.015	0.015
Rated voltage				V	AC/110, 220				
Grade of insulation					JIS grade B				
Permission voltage fluctuation				%	±10				
Rated frequency				Hz	50/60				
Apparent power	AC	Activation	50Hz	VA	36			36	
			60Hz	VA	27			27	
		Continuous	50Hz	VA	290			430	
			60Hz	VA	250			360	
Mass				kg	1.3	1.9	2.7	2.9	2.9



- Supply complete-dry air to avoid freezing when temperature of valve site falls below 5°C
- Response time shown above is in accordance with JIB B 8375
- Effective area shown above is a value between ports 1 and 2, 4



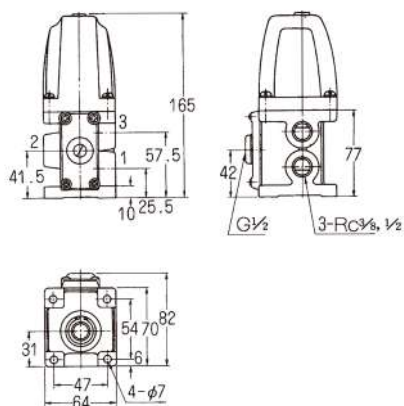
A

Optional Parts and Spare Parts

Parts Name		Model No.
Solenoid unit for 2-position	AC110V	A10-10610
	AC220V	A10-20620
Solenoid unit for 3-position	AC110V	A10-11310
	AC220V	A10-21320
Sub-base	Rc $\frac{3}{8}$	A10-SB-03
	Rc $\frac{1}{2}$	A10-SB-04
Base gasket		A10-G
Spring	For 2-position	A10-SS
	For 3-position	A10-3S

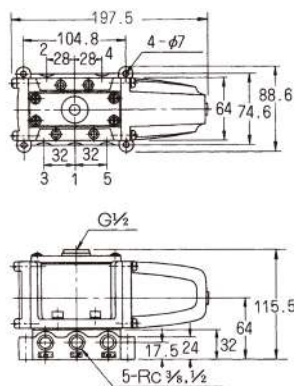
AS2310

(Unit: mm)



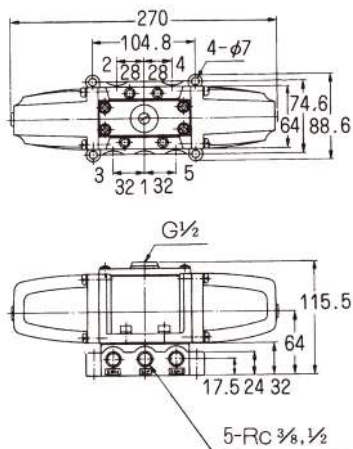
AS2410

(Unit: mm)



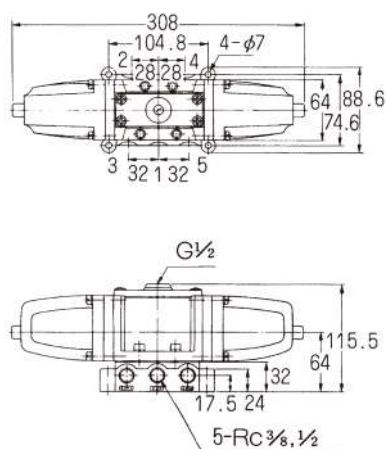
AD2410

(Unit: mm)



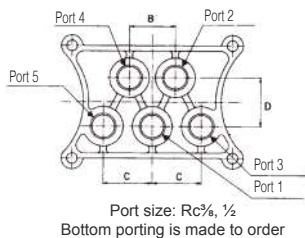
AD3410, ADE3410

(Unit: mm)



Bottom porting

(Unit: mm)



A15 Series

3/5-Port Direct Operated Solenoid Valve
Metal Seal, In-line mounting/Sub-base Mounting type

AS2315

2-position, single solenoid

AS2415

2-position, single solenoid

AD2415

2-position, double solenoid

AD3415

3-position, closed center

ADE3415

3-position, Exhaust center



Specifications

Model No.				Unit	AS2315	AS2415	AD2415	AD3415	ADE3415
Fluid					Non-lubricated/lubricated air				
Port size					Rc½, ¾				
Effective area				mm²	80	75	75	75	75
CV value					4.34	4.07	4.07	4.07	4.07
Operating ambient temperature				°C	-5~60				
Operating pressure range				MPa	-0.1~1				
Maximum frequency				cycle/min	150	150	150	150	150
Response time (at 0.5MPa)				s (average)	0.018	0.035	0.025	0.020	0.020
Rated voltage				V	AC/110,220				
Grade of insulation					JIS grade B				
Permission voltage fluctuation				%	±10				
Rated frequency				Hz	50/60				
Apparent power	AC	Activation	50Hz	VA	38			38	
			60Hz	VA	28			28	
		Continuous	50Hz	VA	370			520	
			60Hz	VA	320			480	
Mass				kg	1.8	2.8(3.2)	3.6(4.0)	3.8(4.2)	3.8(4.2)

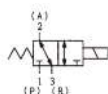


- Supply complete-dry air to avoid freezing when temperature of valve site falls below 5°C
- Response time shown above is in accordance with JIB B 8375
- Effective area shown above is a value between ports 1 and 2, 4
- Mass in bracket()shown with Rc $\frac{3}{4}$ ported sub-base.

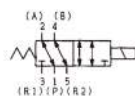
AS2415 – **04** – **110** **P**

Model No.

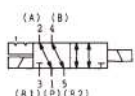
AS2315



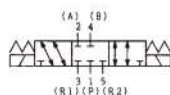
AS2415



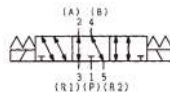
AD2415



AD3415



ADE3415



Versions

No mark : Standard

I : With indicator light

K : With surge suppressor

P : With indicator light & surge suppressor

Voltage

110: AC110V

220: AC220V

Port size

04: Rc $\frac{1}{2}$

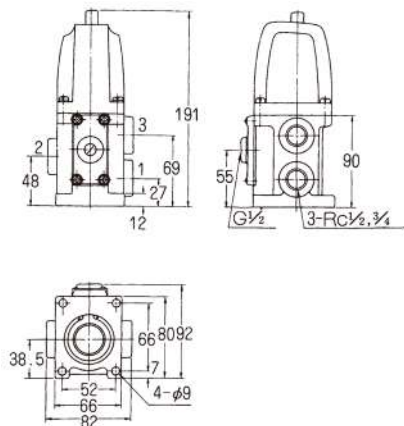
06: Rc $\frac{3}{4}$

Optional Parts and Spare Parts

Parts Name		Model No.
Solenoid unit for 2-position	AC110V	A15-10710
	AC220V	A15-20720
Solenoid unit for 3-position	AC110V	A15-11510
	AC220V	A15-21520
Sub-base	Rc $\frac{1}{2}$	A15-SB-04
	Rc $\frac{3}{4}$	A15-SB-06
Base gasket		A15-G
Spring	For 2-position	A15-SS
	For 3-position	A15-3S

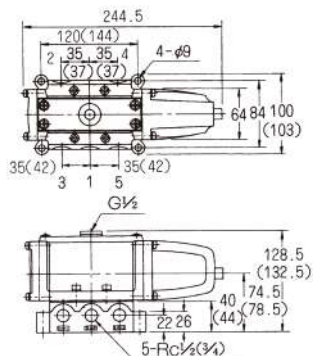
AS2315

(Unit: mm)



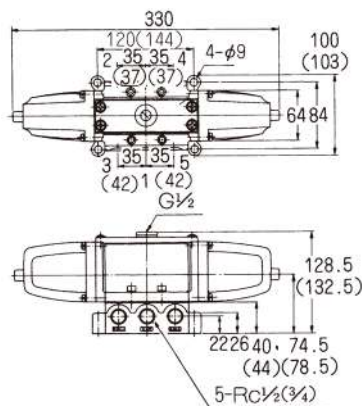
AS2415

(Unit: mm)



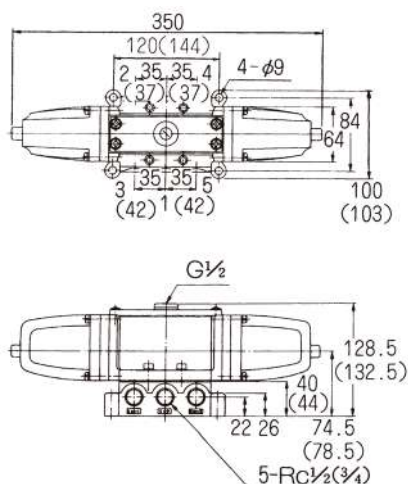
AD2415

(Unit: mm)



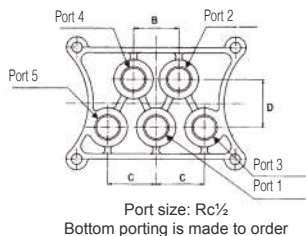
AD3415, ADE3415

(Unit: mm)



Bottom porting

(Unit: mm)



(Note) Dimensions in bracket() shown with Rc½ ported sub-base.

A25 Series

3/5-Port Direct Operated Solenoid Valve
Metal Seal, In-line mounting/Sub-base Mounting type

AS2325

3□2-position, single solenoid

AS2425

5□2-position, single solenoid

AD2425

5□2-position, double solenoid

AD3425

5□3-position, closed center

ADE3425

5□3-position, ABR connect

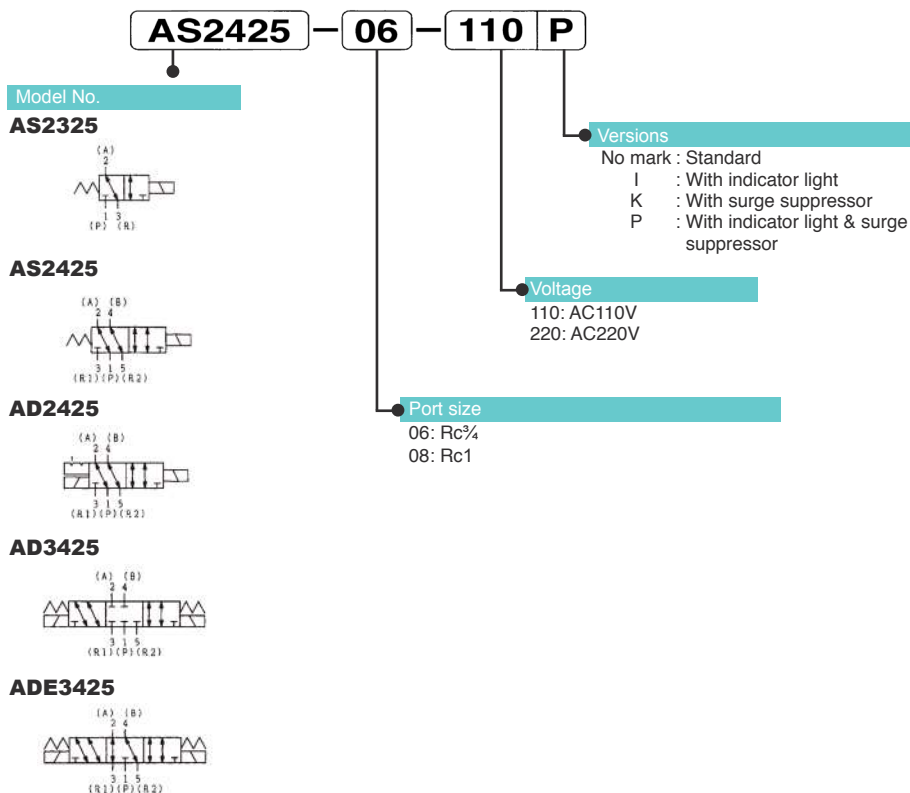


Specifications

Model No.				Unit	AS2325	AS2425	AD2425	AD3425	ADE3425
Fluid					Non-lubricated/lubricated air				
Port size					Rc $\frac{3}{4}$, 1, 1 $\frac{1}{4}$				
Effective area				mm ²	190	180	180	180	180
CV value					10.3	9.76	9.76	9.76	9.76
Operating ambient temperature				°C	-5~60				
Operating pressure range				MPa	-0.1~1				
Maximum frequency				cycle/min	60	60	60	60	60
Response time (at 0.5MPa)				$\frac{s}{(average)}$	0.035	0.035	0.030	0.035	0.035
Rated voltage				V	AC/110, 220				
Grade of insulation					JIS grade B				
Permission voltage fluctuation				%	±10				
Rated frequency				Hz	50/60				
Apparent power	AC	Activation	50Hz	VA	80			80	
			60Hz	VA	80			80	
		Continuous	50Hz	VA	800			1400	
			60Hz	VA	800			1400	
Mass				kg	4.5	7.5(9)	12.8(14.3)	9(10.5)	9(10.5)



- Supply complete-dry air to avoid freezing when temperature of valve site falls below 5°C
- Response time shown above is in accordance with JIB B 8375
- Effective area shown above is a value between ports 1 and 2, 4
- Mass in bracket()shown with Rc $\frac{3}{4}$ ported sub-base.

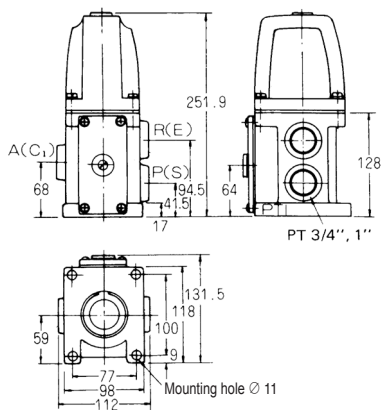


Optional Parts and Spare Parts

Parts Name		Model No.
Solenoid unit for 2-position	AC110V	A25-10810
	AC220V	A25-20880
Solenoid unit for 3-position	AC110V	A25-12510
	AC220V	A25-12520
Sub-base	Rc $\frac{3}{4}$	A25-SB-06
	Rc1	A25-SB-08
Base gasket		A25-G
Spring	For 2-position	A25-SS
	For 3-position	A25-3S

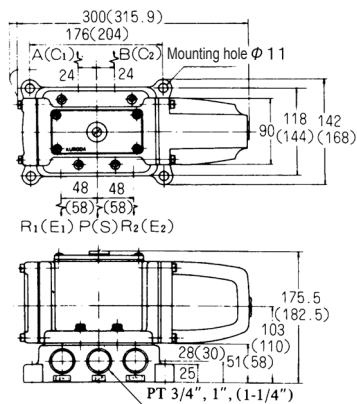
AS2325

(Unit: mm)



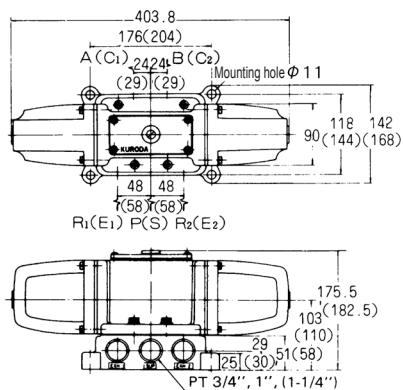
AS2425

(Unit: mm)



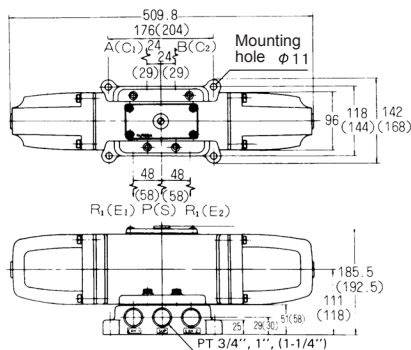
AD2425

(Unit: mm)



AD3425, ADE3425

(Unit: mm)



(Note) Dimensions in bracket() shown with Rc3/4 ported sub-base.

MF□ - C

Individual Wiring Type Manifold
Separate Type

MF□-CC

Common SUP, common EXH,
ports 2&4 on the side

MF□-CI

Common SUP, individual EXH,
ports 2&4 on the side



Manifold Specifications

Type of manifold		MF□-CC06	MF□-CC08	MF□-CC10	MF□-CC15	MF□-CC25
		Common SUP, common EXH	Common SUP, common EXH	Common SUP, common EXH	Common SUP, common EXH	Common SUP, common EXH
Port size	Port 1	Rc $\frac{1}{4}$	Rc $\frac{3}{8}$	Rc $\frac{1}{2}$	Rc $\frac{3}{4}$	Rc1
	Port 3, 5	Rc $\frac{1}{4}$	Rc $\frac{3}{8}$	Rc $\frac{1}{2}$	Rc $\frac{3}{4}$	Rc1
	Port 2, 4	Rc $\frac{3}{8}$	Rc $\frac{3}{8}$	Rc $\frac{1}{2}$	Rc $\frac{1}{2}$	Rc1
Number of stations		2~20	2~20	2~20	2~20	2~20
Mountable solenoid valve		AS2406-NB AD2406-NB AD3406-NB ADE3406-NB	AS2408-NB AD2408-NB AD3408-NB ADE3408-NB	AS2410-NB AD2410-NB AD3410-NB ADE3410-NB	AS2415-NB AD2415-NB AD3415-NB ADE3415-NB	AS2425-NB AD2425-NB AD3425-NB ADE3425-NB
Blank plate		CC06-BP	CC08-BP	CC10-BP	CC15-BP	CC25-BP

Type of manifold		MF□-CI06	MF□-CI08	MF□-CI10	MF□-CI15	MF□-CI25
		Common SUP, individual EXH	Common SUP, individual EXH	Common SUP, individual EXH	Common SUP, individual EXH	Common SUP, individual EXH
Port size	Port 1	Rc $\frac{1}{4}$	Rc $\frac{3}{8}$	Rc $\frac{1}{2}$	Rc $\frac{3}{4}$	Rc1
	Port 3, 5	Rc $\frac{1}{4}$	Rc $\frac{1}{4}$, $\frac{3}{8}$	Rc $\frac{3}{8}$, $\frac{1}{2}$	Rc $\frac{1}{2}$	Rc1
	Port 2, 4	Rc $\frac{3}{8}$, Rc $\frac{1}{4}$	Rc $\frac{1}{4}$, $\frac{3}{8}$	Rc $\frac{3}{8}$, $\frac{1}{2}$	Rc $\frac{1}{2}$	Rc1
Number of stations		2~20	2~20	2~20	2~20	2~20
Mountable solenoid valve		AS2406-NB AD2406-NB AD3406-NB ADE3406-NB	AS2408-NB AD2408-NB AD3408-NB ADE3408-NB	AS2410-NB AD2410-NB AD3410-NB ADE3410-NB	AS2415-NB AD2415-NB AD3415-NB ADE3415-NB	AS2425-NB AD2425-NB AD3425-NB ADE3425-NB
Blank plate		CC06-BP	CC08-BP	CC10-BP	CC15-BP	CC25-BP

Manifold**Number of stations**

2 : 2 station
 :
 10 : 10 station

Type of manifold

CC:

Common SUP, common EXH

CI:

Common SUP, individual EXH

Mountable solenoid valve series

06: A06 series

08: A08 series

10: A10 series

15: A15 series

25: A25 series

port size 2&4

01: RC $\frac{1}{8}$

02: RC $\frac{1}{4}$

03: RC $\frac{1}{2}$

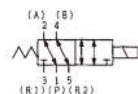
04: RC $\frac{3}{4}$

06: RC $\frac{1}{2}$

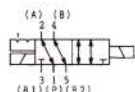
08: RC1

Mountable solenoid valve**Model No.**

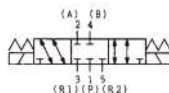
AS24



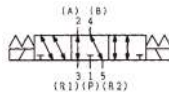
AD24



AD34



ADE34



Port size
 NB: Without sub-base

Versions

No mark : Standard

I : With indicator light

K : With surge suppressor

P : With indicator light & surge suppressor

Voltage

110 : AC110V

220 : AC220V

※: Made to order

**Tagging method**

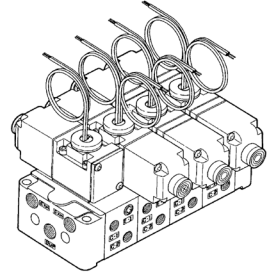
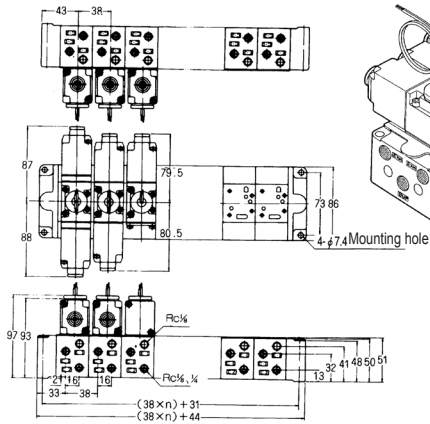
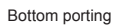
- Specify the type and number of manifolds and solenoid valves, as well as number of blank plate in accordance with the following example of description.

Example:

MF5-CC08-02	1 pcs.
PMS2408-NB-110	2 pcs.
PMD3406-NB-110	1 pcs.
CC08-BP	1 pcs.

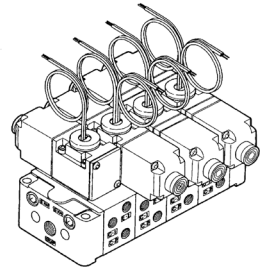
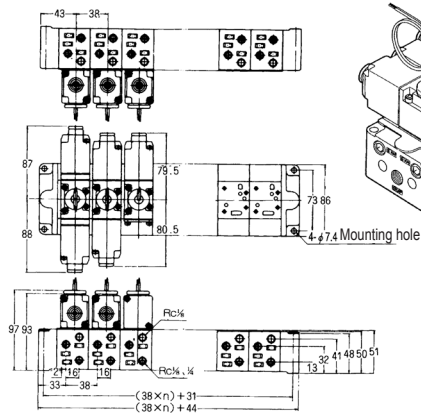
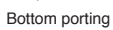
(Unit: mm)

A



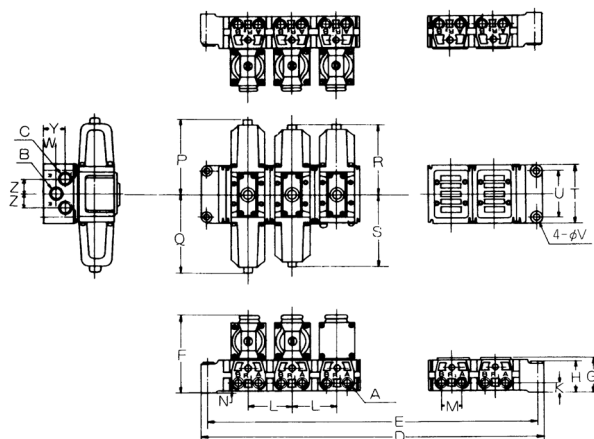
(Unit: mm)

A

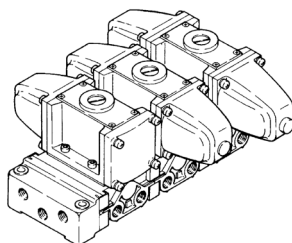


MF□-CC08~25

(Unit: mm)

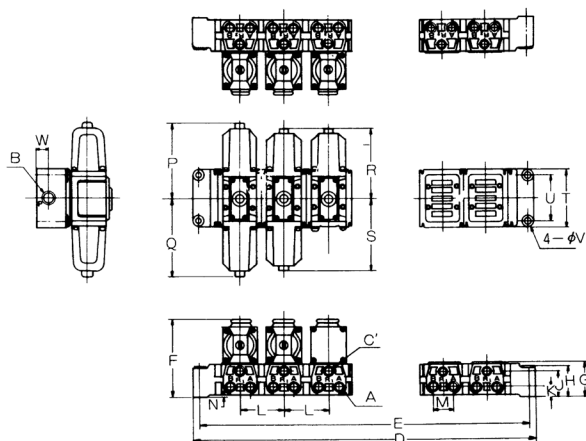


Specifications for connection

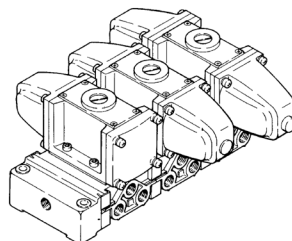


MF□-CI08~25

(Unit: mm)



Specifications for connection

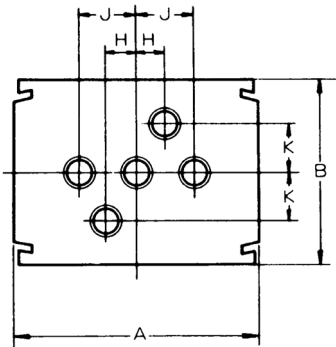


Model No.	A (Rc)	B (Rc)	C (Rc)	C' (Rc)	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	U	V	W	Y	Z
MF-CC08	1/4	3/8	3/8	—	(70×n) +80	(70×n) +64	124.5	52	51	—	16.5	70	32	4	126	130	107	111	90	74	8.5	19	35	22
MF-CI08	(3/8)	3/8	—	1/4(3/8)	—	—	—	—	39.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MF-CC10	3/8	1/2	1/2	—	(90×n) +90	(90×n) +60	137.4	54	48	—	18.5	90	43	4	154	154	135	135	120	100	10.5	30	30	32
MF-CI10	(1/2)	1/2	—	3/8(1/2)	—	—	—	—	39.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MF-CC15	1/2	3/4	3/4	—	(110×n) +110	(100×n) +80	157.5	69	60	—	23	110	52	4	175	175	165	165	144	120	12.5	35	35	37
MF-CI15	—	—	—	1/2	—	—	—	—	49	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MF-CC25	3/4	1	1	—	(150×n) +140	(150×n) +110	209.5 ※219.5	85	80	—	29	150	73	4	254.9	254.9	201.9	201.9	200	170	15	50	50	54
MF-CI25	(1)	—	—	3/4(1)	—	—	—	—	59	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

• "n" is the number of stations of manifold.

Bottom of manifold ported(Custom-made)

(Unit: mm)



Model No.	Port size	A	B	K	J	H
MF□-CC08,Ci08	Rc¼, ⅜	90	70	20	28	12
MF□-CC10,Ci10	Rc⅜, ½	120	90	25	34	17
MF□-CC15,Ci15	Rc½, ¾	114	110	30	45	22.5

Adaptor(connect a manifold of different size)

(Unit: mm)



Model No.	MFA-C0608	MFA-C0810	MFA-C1015
Applicable manifold	MF-C□06 MF-C□08	MF-C□08 MF-C□10	MF-C□10 MF-C□15
X	24	30	40

A

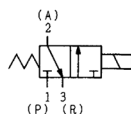
SS231

3-Port Direct Operated Solenoid Valves
Poppet Seal/Sub-base Mounting type

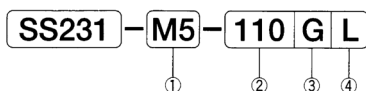
SS231

2-position single solenoid

JIS Symbol



Representation



① Port size

NB: Without sub-base

M5: M5×0.8

01: Rc $\frac{1}{8}$

② Voltage

110: AC110V

220: AC220V

D24: DC24V

③ Wiring

L : Lead wire

G : Grommet with terminal

C : Conduit with terminal

※GK: Grommet with surge suppressor

※CK: Conduit with surge suppressor

D : DIN connector

④ Manual override

No mark: Without locking button

L : With locking button



※:

Made to order

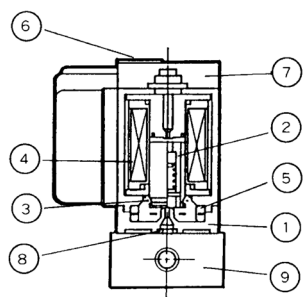
Specifications

Model No.			Unit	SS231	
Fluid				Non-lubricated/ lubricated air	
Port size				M5, Rc%	
Effective area			mm ²	0.6	
CV value				0.03	
Operating ambient temperature			°C	-5~60	
Operating pressure range			MPa	0~1	
Maximum frequency			cycle/min	1200	
Response time (at 0.5MPa)			s	ON 0.006 OFF 0.008	
Rated voltage			V	AC/110, 220, DC24	
Grade of insulation				JIS grade B	
Permission voltage fluctuation			%	±10(DC+10 -15)	
Rated frequency			Hz	50/60	
Apparent power	AC	Activation	50Hz	VA	3.2
			60Hz	VA	2.6
	Continuous	50Hz	VA	5	
		60Hz	VA	4.5	
Power consumption DC			W	2	
Mass			kg	0.08	



- Supply complete-dry air to avoid freezing when temperature of valve site falls below 5°C
- Response time shown above is in accordance with JIB B 8375
- Effective area shown above is a value between ports 1 and 2

Construction and Main Parts

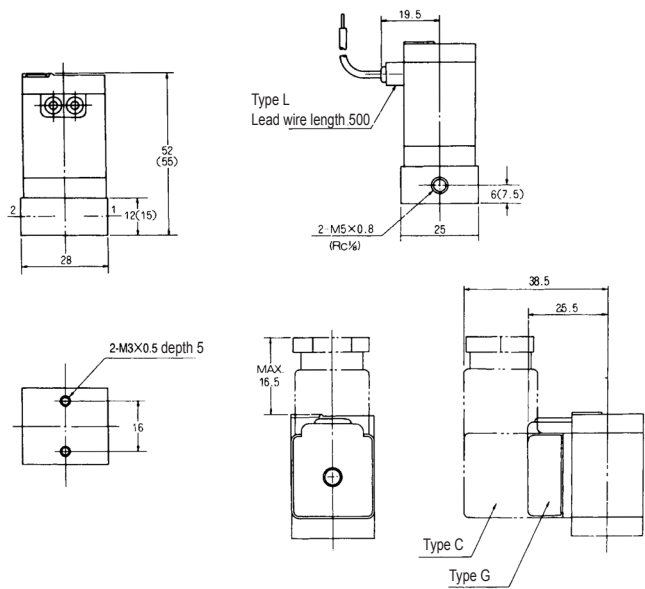


No.	Description
1	Body
2	Plunger
3	Spring
4	Coil
5	Manual ring
6	Manual override
7	Cover
8	O-ring
9	Sub-base

A

Dimensions

(Unit: mm)



MF□ - TI1, TC1

Individual Wiring Type Manifold
Separate Type

MF□-TI1

Common SUP, individual EXH,
ports 2 on the side

MF□-TC1

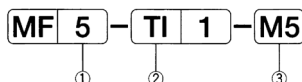
Common SUP, common EXH,
ports 2 on the side



Manifold Specifications

Type of manifold		MF□-TI1-01	MF□-TC1-01
		Common SUP, individual EXH	Common SUP, common EXH
Port size	Port 1	Rc%	Rc%
	Port 3, 5	—	Rc%
	Port 2, 4	Rc%	Rc%
Number of stations		2~20	2~20
Mountable solenoid valve		SS231-NB	SS231-MF

Ordering instructions



① Number of stations

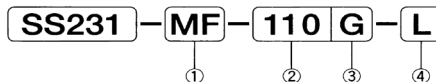
2 : 2 station
:
:
10 : 10 station

② Type of manifold

TI: Common SUP, individual EXH
TC: Common SUP, common EXH

③ Port 2 size

01: Rc%



① Type of solenoid valve

NB: For TI
MF: For TC

② Voltage

110 : AC110V
220 : AC220V
D24 : DC24V

③ Wiring

L : Lead wire
G : Grommet with terminal
C : Conduit with terminal
*GK : Grommet with surge suppressor
*CK : Conduit with surge suppressor
D : DIN connector

④ Manual override

No mark: Without locking button
L : With locking button



Tagging method

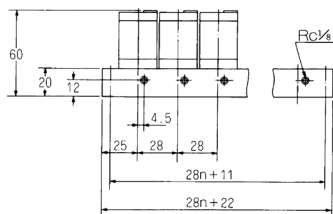
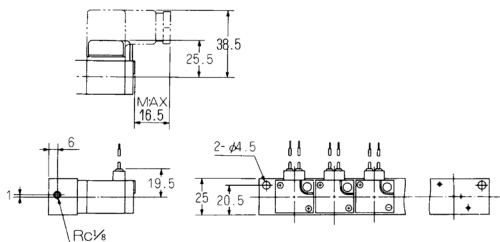
- Specify the type and number of manifolds and solenoid valves, as well as number of blank plate in accordance with the following example of description.

Example:

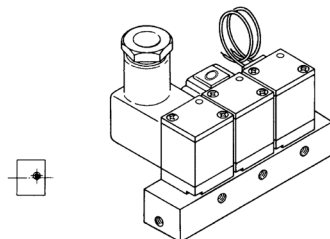
MF5-TI1-1 1 pcs.
SS231-MF-110G 5 pcs.

MF□-TI1-01

(Unit: mm)



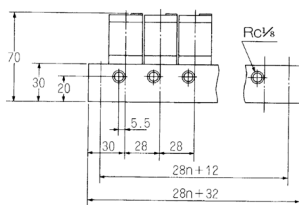
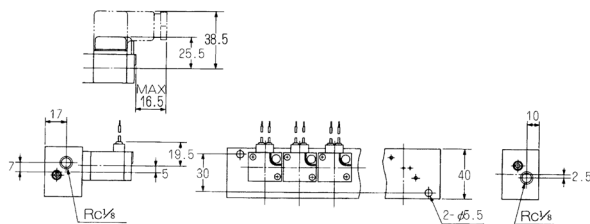
Specifications for connection



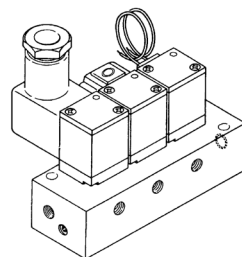
- Port 1: Dimension figure left side
port Rc $\frac{1}{8}$
- Port 2: Dimension figure front side
port Rc $\frac{1}{8}$

MF□-TC1-01(Made to order)

(Unit: mm)



Specifications for connection



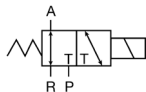
- Port 1: Dimension figure left side
port Rc $\frac{1}{8}$
- Port 2: Dimension figure front side
port Rc $\frac{1}{8}$
- Port 3: Dimension figure right side
port Rc $\frac{1}{8}$

AS307

3-Port Direct Operated Solenoid Valves
Poppet Seal

AS307
3-port 2-position single solenoid

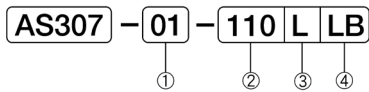
JIS Symbol



- Can withstand long-hour operation
- Compact with large flow rate
- Long usage life
- Corresponding electronic control



Representation



① Port size

01: Rc $\frac{1}{8}$

02: Rc $\frac{1}{4}$

② Voltage

110 : AC110V

220 : AC220V

D24 : DC24V

③ Wiring

L: Lead wire

D: DIN connector

④ Manual override

No mark: Without locking button

L : With locking button

Specifications

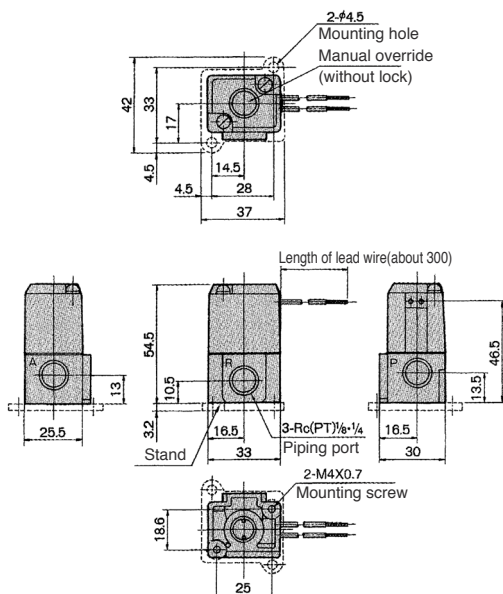
Model No.			Unit	AS307	
Fluid				Non-lubricated/ lubricated air	
Port size				Rc $\frac{1}{8}$, Rc $\frac{1}{4}$	
Effective area			mm ²	4	
Operating ambient temperature			°C	0~50	
Operating pressure range			MPa	0~0.9	
Response time(at 0.5MPa)			s	0.02	
Fixed position				Without limit	
Manual button				Without lock	
Shock			m/s ²	150/50	
Wiring				Lead wire, DIN connector	
Permission voltage fluctuation			%	±10	
Apparent power	AC	Activation	50Hz	VA	12.7
			60Hz	VA	10.7
		Continuous	50Hz	VA	7.6
			60Hz	VA	5.4
Power consumption DC			W	4.8, with light 5	
Mass			kg	0.14	



- Supply complete-dry air to avoid freezing when temperature of valve site falls below 5°C
- Response time shown above is in accordance with JIB B 8375
- Effective area shown above is a value between ports 1 and 2, 4
- Mass in bracket()shown with Rc $\frac{1}{4}$ ported sub-base.

AS307(L type)

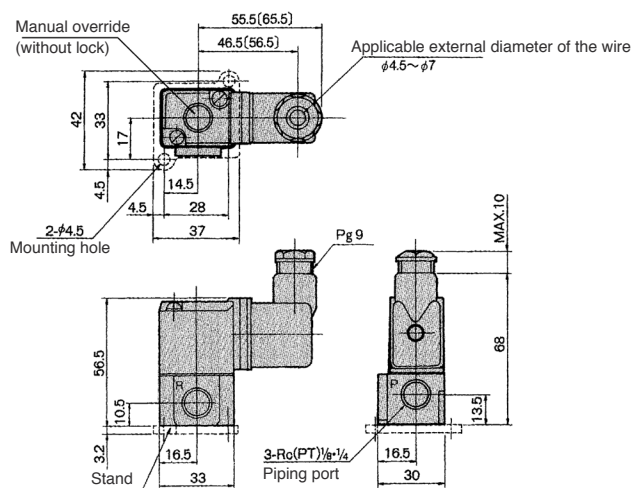
(Unit: mm)



A

AS307(D type)

(Unit: mm)



() Value within brackets is the size with indicator and over voltage protection device

