

PM

Series

Metal seal, In-line mounting,
Sub-base mounting



PM

PM 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 customers' need.



Features:

- **Small volume with light weight and high flow rate**

The compact size is achieved by well-designed flow path construction and aluminum-alloy material as well as small pilot solenoid valves. Cv value is larger and its weight is lighter than solenoid valve of the same size.

- **Long usage life**

The body and sub-base of the solenoid valve are made of high endurance aluminum-alloy. The sleeve and spool assembly is made of special stainless steel with anti-corrosion and wear-resistance feature and longest usage life guarantee.

- **Coil is highly unlikely to be burned out**

Products of PM series are operated by pneumatic power to drive the spool to gain a greater shifting force. Its low power consumption makes the coils unlikely to be burned out. This coil will not burn out if and only if deteriorated compressed oil, pipe scale, sand, or unnecessary viscous oil in the lubricator enters in sleeve or spool causing coil is continuously supplied with power.

- **Quick response**

Minimized internal volume of the pilot port is the main reason for providing short response time.

- **Flow pattern**

As the standard solenoid valves are internal pilot type, air pressure must flow in from port1. But by plugging in other ports, solenoid valves can be used as other flow pattern type.

- **Simplistic structure**

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

- **Easy to maintain**

Fontal enables the interchangeability with enhanced convenience, allowing parts in PM series can be mounted at the sub-base without interfering installation or piping and wiring.

Variation

Model No.	Port	Solenoid	Position	Port size	Effective area (mm ²)	Cv value	Reference page no.	
PMS246	5	Single solenoid	2	Rc ¹ / ₈	6.5	0.35	E5	
PMD246		Double solenoid						
PMD346								
PME346								
PMS2306	3	Single solenoid	2	Rc ¹ / ₈ , ¹ / ₄	11	0.60	E8	
PMS2406	5	Double solenoid			12.5	0.68		
PMD2406					3-closed center	12		0.65
PMD3406					3-ABR connect			
PME3406								
PMS2308	3		Single solenoid	2	Rc ¹ / ₄ , ³ / ₈	22	1.19	E11
PMS2408	5	Double solenoid	30			1.63		
PMD2408			3-closed center			25	1.35	
PMD3408			3-ABR connect					
PME3408								
PMS2310	3		Single solenoid	2	Rc ³ / ₈ , ¹ / ₂	38	2.06	E14
PMS2410	5	Double solenoid	50			2.71		
PMD2410							3-closed center	
PMD3410							3-ABR connect	
PME3410								
PMS2315	3		Single solenoid	2	Rc ¹ / ₂ , ³ / ₄	80	4.34	E17
PMS2415	5	Double solenoid	75			4.07		
PMD2415							3-closed center	
PMD3415							3-ABR connect	
PME3415								
PMS2325	3		Single solenoid	2	Rc ³ / ₄ , 1	190	10.3	E20
PMS2425	5	Double solenoid	Rc ³ / ₄ , 1, ¹ / ₄		170(Rc ³ / ₄) 200(Rc1) 210(Rc1 ¹ / ₄)	9.22(Rc ³ / ₄) 10.84(Rc1) 11.39(Rc1 ¹ / ₄)		
PMD2425					3-closed center	165(Rc ³ / ₄) 190(Rc1) 195(Rc1 ¹ / ₄)	8.94(Rc ³ / ₄) 10.29(Rc1) 10.57(Rc1 ¹ / ₄)	
PMD3425					3-ABR connect			
PME3425								

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PM Series introduction

Be sure to read the following before use.
With regard to common and specific instructions,
please refer to the content within the catalog.

Wiring Specifications

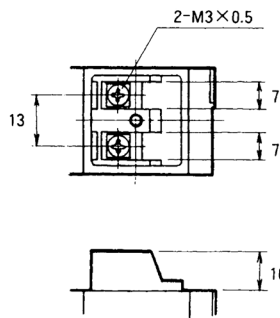


Caution

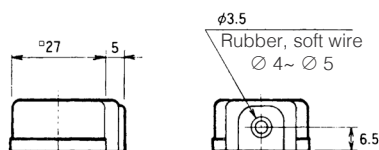
• Wiring

0.3mm²×500l(O.D Ø 1.7)
AWG22(UL1007)

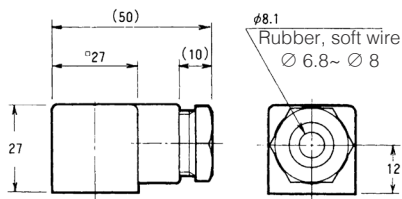
• Terminal of grommet and conduit



• Grommet cover



• Conduit cover



• With surge suppressor

The following varistor type surge suppressor
AC110V TNR9G271K or equivalent Z7D271
AC220V TNR9G471K or equivalent Z7D471
DC24V TNR9G470K or equivalent Z7D470

Flow rate

Flow speed can be calculated by the following
formula:

Values in the sonic velocity zone can be
observed from the following graph.

1. $P_H \leq 1.89P_L$ (Subsonic velocity zone)

$$Q = 240 \times S \times [\sqrt{P_L(P_H - P_L)}] \times (\sqrt{293/T_H})$$

2. $P_H \geq 1.89P_L$ (Sonic velocity zone)

$$Q = 120 \times S \times P_H \times (\sqrt{273/T_H})$$

Q : Flow rate (Liter/min) (ANR)

S : Effective area (mm²)

P_H : Pressure on upper stream (MPa abs)

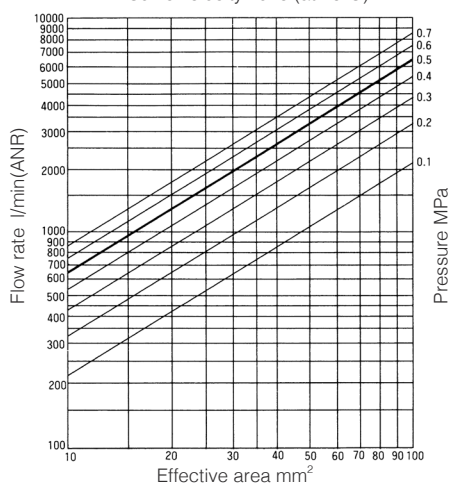
P_L : Pressure on down stream (MPa abs)

T_H : Absolute temperature on upper stream (K)

Note) Absolute pressure (MPa) =

Supply pressure + 0.100 (MPa)

Sonic velocity zone (at 20°C)



(When the value of effective area equals $\times 10^{-1}$ or $\times 10^0$, multiply the same value by the flow rate)

Effective Area

Effective area described in this catalog
are measured between ports 1 → 2, 4, in
accordance with JIS (Japanese Industrial
Standard).

PM6 Series

5-Port Pilot Operated Solenoid Valve
Metal Seal/Sub-base Mounting type

PMS246

2-position, single solenoid

PMD246

2-position, double solenoid

PMD346

3-position, closed center

PME346

3-position, ABR connect

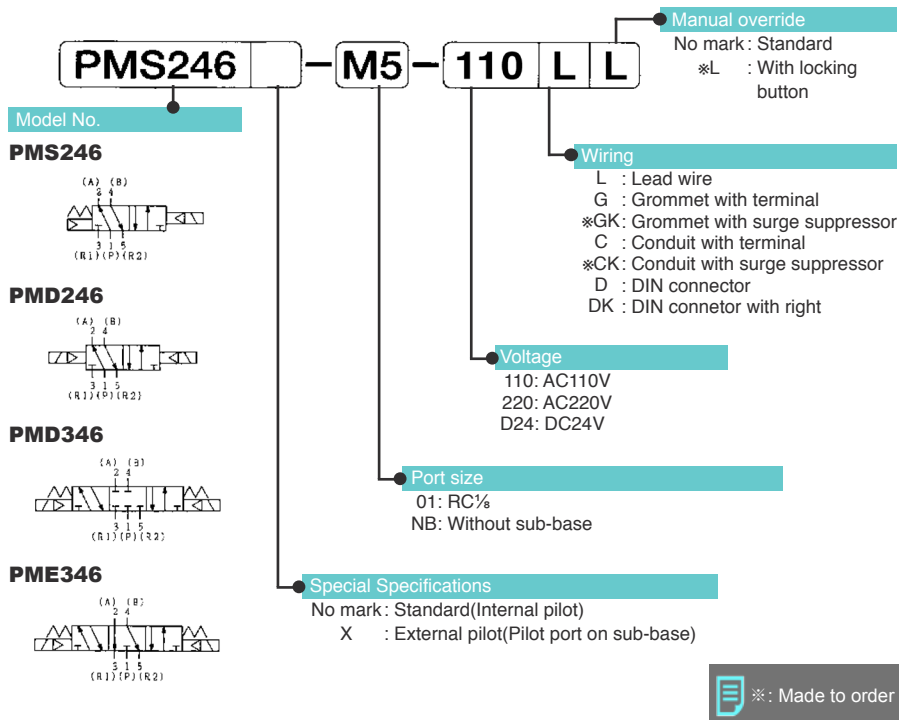


Specifications

Model No.				Unit	PMS246	PMD246	PMD346	PME346
Fluid					Non-lubricated/lubricated air			
Port size					RC $\frac{1}{8}$			
Effective area				mm ²	6.5			
CV value					0.35			
Operating ambient temperature				°C	-5~60			
Operating pressure range				MPa	0.15~1		0.2~1	
Maximum frequency				cycle/min	360			
Response time (at 0.5MPa)				s (average)	ON 0.022 OFF 0.012	ON 0.010	ON 0.015 OFF 0.015	
Rated voltage				V	AC/110, 220 DC24			
Grade of insulation					JIS grade B			
Permission voltage fluctuation				%	AC±10 DC+10-15			
Rated frequency				Hz	50/60			
Apparent power	AC	Holding	50Hz	VA	3.2 (110/220)			
			60Hz	VA	2.6 (110/220)			
		Inrush	50Hz	VA	5 (110/220)			
			60Hz	VA	4.5 (110/220)			
Power consumption DC				W	2			
Wiring					Lead wire, Grommet with terminal, Conduit with terminal, DIN connector			
Mass				kg	0.16	0.24	0.26	0.26



- 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.
Sub-base	RC $\frac{1}{8}$	PM6-SB-01
	RC $\frac{1}{8}$ (For external pilot)	PM6-SB-X01
Base gasket		PM6-G
Spring	For 2-position	PM6-SS
	For 3-position	

Pilot valve

P M 2 6 - 1 0 0 L L

Voltage

110: AC110V
220: AC220V
D24: DC24V

Wiring

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

Model

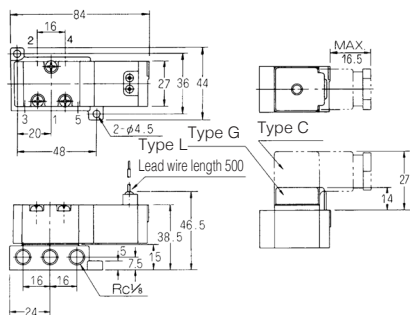
PM26: For 2-position
PM36: For 3-position

Option

No mark : Without option (Standard)
※L : With locking button

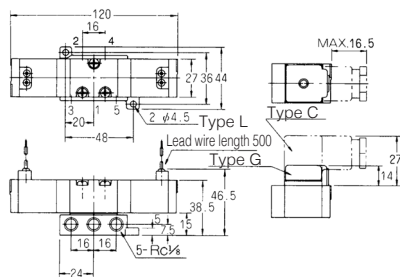
PMS246

(Unit: mm)



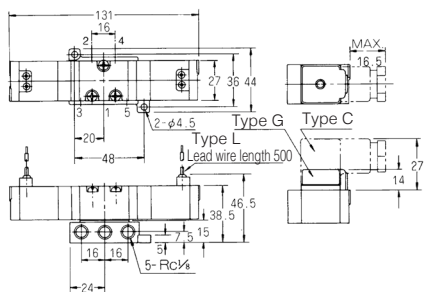
PMD246

(Unit: mm)



PMD346, PME346

(Unit: mm)



PM06 Series

3/5-Port Pilot Operated Solenoid Valves
Metal Seal, In-line/Sub-base Mounting type

PMS2306

2-position, single solenoid

PMS2406

2-position, single solenoid

PMD2406

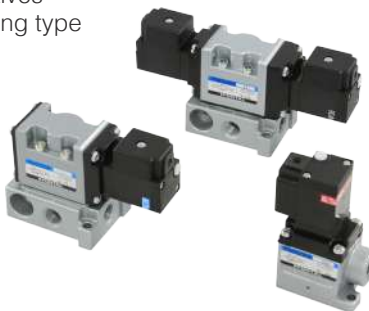
2-position, double solenoid

PMD3406

3-position, closed center

PME3406

3-position, exhaust center

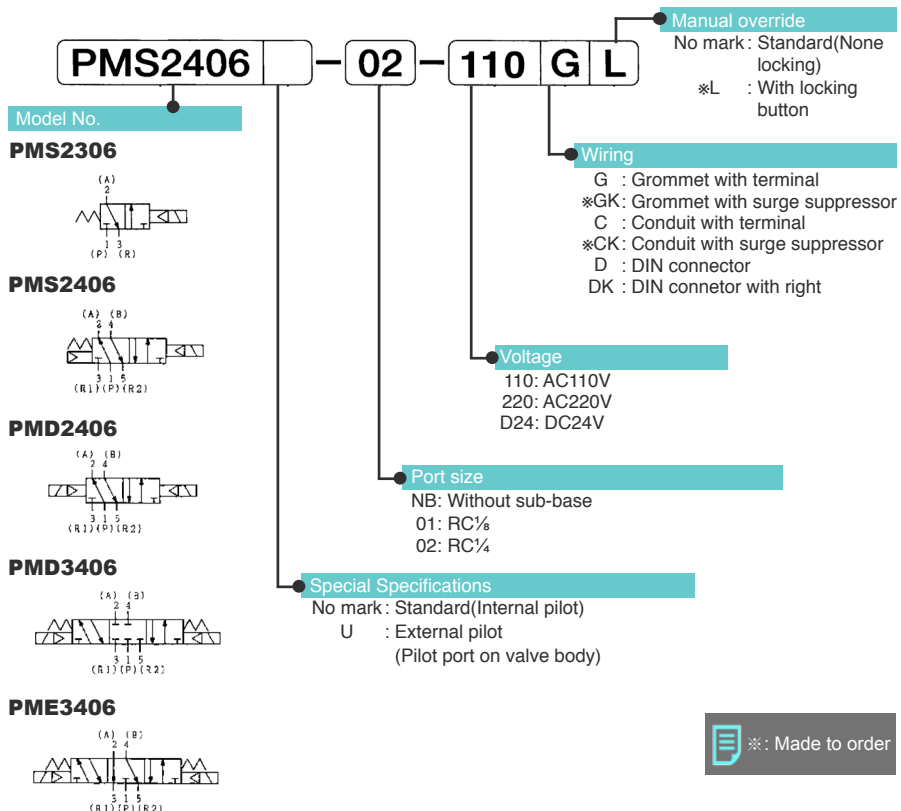


Specifications

Model No.				Unit	PMS2306	PMS2406	PMD2406	PMD3406	PME3406
Fluid					Non-lubricated/lubricated air				
Port size					RC½, ¼				
Effective area				mm²	11	12.5		12	
CV value					0.60	0.68		0.65	
Operating ambient temperature				°C	-5~60				
Operating pressure range				MPa	0.2~0.7	0.2~0.8			
Maximum frequency				cycle/min	360				
Response time (at 0.5MPa)				s (average)	ON 0.010 OFF 0.020	ON 0.010 OFF 0.020	ON 0.010	ON 0.015 OFF 0.030	
Rated voltage				V	AC/110,220 DC24				
Grade of insulation					JIS grade B				
Permission voltage fluctuation				%	AC±10 DC+10-15				
Rated frequency				Hz	50/60				
Apparent power	AC	Holding	50Hz	VA	3.2 (110/220)				
			60Hz	VA	2.6 (110/220)				
		Inrush	50Hz	VA	5 (110/220)				
			60Hz	VA	4.5 (110/220)				
Power consumption DC				W	2				
Wiring					Lead wire, Grommet with terminal, Conduit with terminal, DIN connector				
Mass				kg	0.3	0.4	0.5	0.5	0.5



- 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



Optional Parts and Spare Parts

Parts Name		Model No.
Sub-base	RC $\frac{1}{8}$	PM06-SB-01
	RC $\frac{1}{4}$ (For external pilot)	PM06-SB-02
Base gasket		A06-G
Spring	For 2-position	PM06-SS
	For 3-position	PM06-3S

Pilot valve

S S 2 3 1 - N B - 1 1 0 G L

Voltage

110: AC110V
220: AC220V
D24: DC24V

Wiring

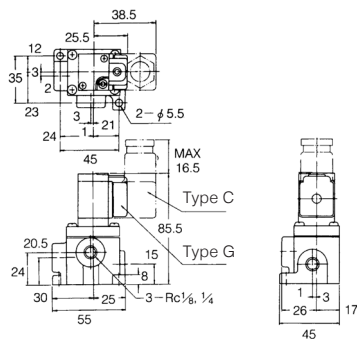
G : Grommet with terminal
※GK : Grommet with surge suppressor
C : Conduit with terminal
※CK : Conduit with surge suppressor
D : DIN connector

Manual override

No mark : Without option (Standard)
※L : With locking button

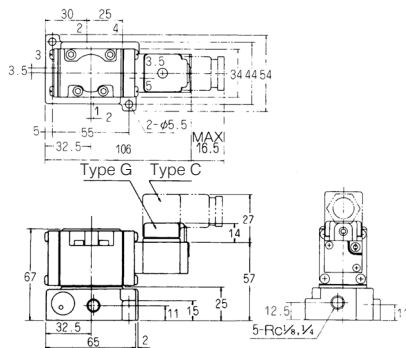
PMS2306

(Unit: mm)



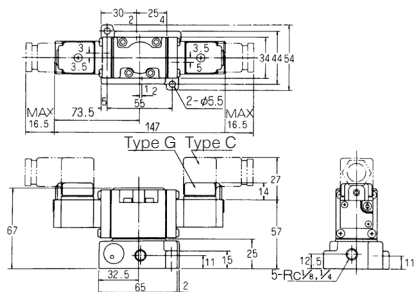
PMS2406

(Unit: mm)



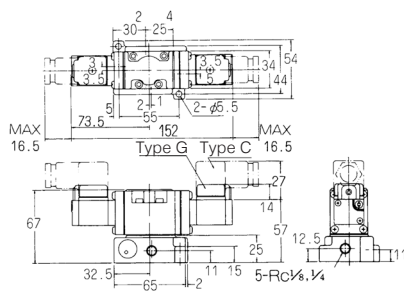
PMD2406

(Unit: mm)



PMD3406, PME3406

(Unit: mm)



PM08 Series

3/5-Port Pilot Operated Solenoid Valves
Metal Seal, In-line/Sub-base Mounting type

PMS2308

2-position, single solenoid

PMS2408

2-position, single solenoid

PMD2408

2-position, double solenoid

PMD3408

3-position, closed center

PME3408

3-position, ABR connect

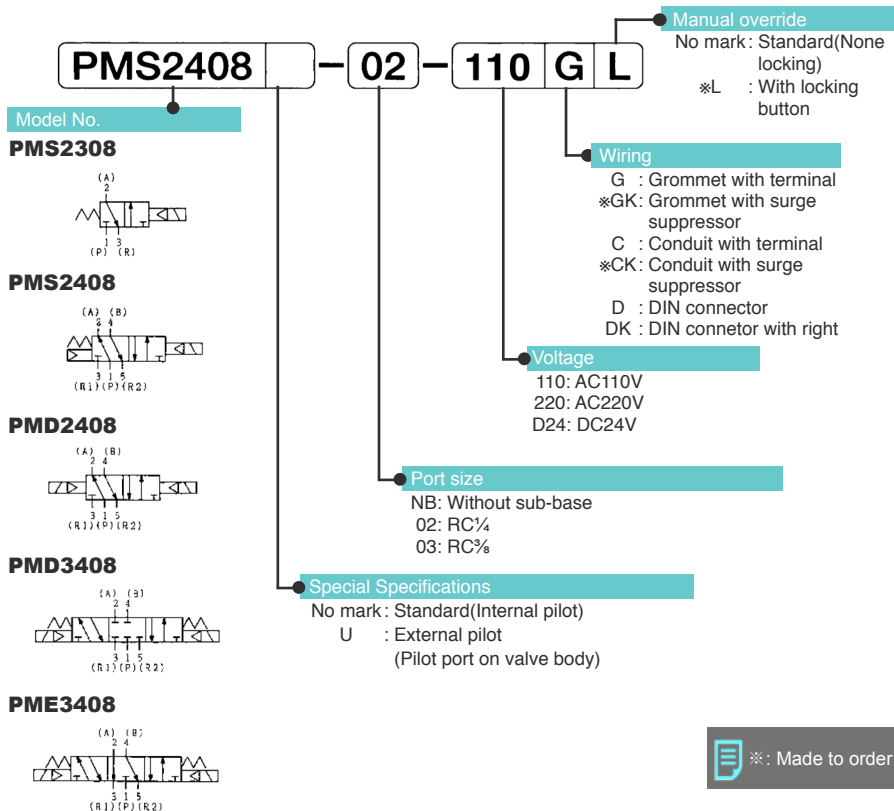


Specifications

Model No.				Unit	PMS2308	PMS2408	PMD2408	PMD3408	PME3408
Fluid					Non-lubricated/lubricated air				
Port size					RC¼, ⅜				
Effective area				mm²	22	30		25	
CV value					1.19	1.63		1.35	
Operating ambient temperature				°C	-5~60				
Operating pressure range				MPa	0.2~0.7	0.2~0.8			
Maximum frequency				cycle/min	360			300	
Response time (at 0.5MPa)				s (average)	ON 0.010 OFF 0.030	ON 0.010 OFF 0.030	ON 0.010	ON 0.015 OFF 0.040	
Rated voltage				V	AC/110, 220 DC24				
Grade of insulation					JIS grade B				
Permission voltage fluctuation				%	AC±10 DC+10-15				
Rated frequency				Hz	50/60				
Apparent power	AC	Holding	50Hz	VA	3.2 (110/220)				
			60Hz	VA	2.6 (110/220)				
		Inrush	50Hz	VA	5 (110/220)				
			60Hz	VA	4.5 (110/220)				
Power consumption DC				W	2				
Wiring					Grommet with terminal, Conduit with terminal, DIN connector				
Mass				kg	0.5	0.9	1.1	1.2	1.2



- 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



Optional Parts and Spare Parts

Parts Name		Model No.
Sub-base	RC $\frac{1}{4}$	PM08-SB-02
	RC $\frac{3}{8}$	PM08-SB-03
Base gasket		A08-G
Spring	For 2-position	PM08-SS
	For 3-position	PM08-3B

Pilot valve

S S 2 3 1 - N B - 1 1 0 G L

Voltage

110: AC110V
 220: AC220V
 D24: DC24V

Wiring

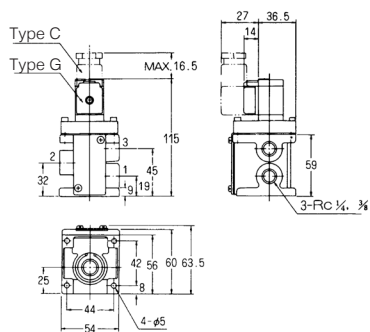
G : Grommet with terminal
 ※GK: Grommet with surge suppressor
 C : Conduit with terminal
 ※CK: Conduit with surge suppressor
 D : DIN connector

Manual override

No mark: Without option(Standard)
 ※L : With locking button

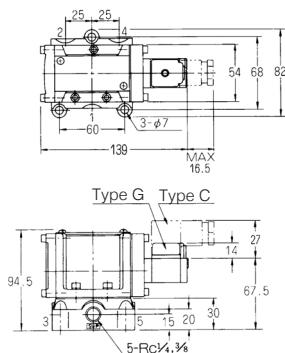
PMS2308

(Unit: mm)



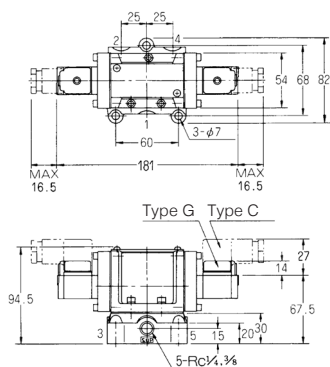
PMS2408

(Unit: mm)



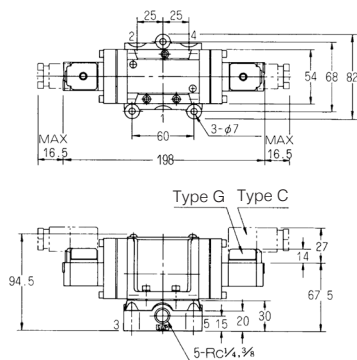
PMD2408

(Unit: mm)



PMD3408, PME3408

(Unit: mm)



PM10 Series

3/5-Port Pilot Operated Solenoid Valves
Metal Seal, In-line/Sub-base Mounting type

PMS2310

2-position, single solenoid

PMS2410

2-position, single solenoid

PMD2410

2-position, double solenoid

PMD3410

3-position, closed center

PME3410

3-position, ABR connect

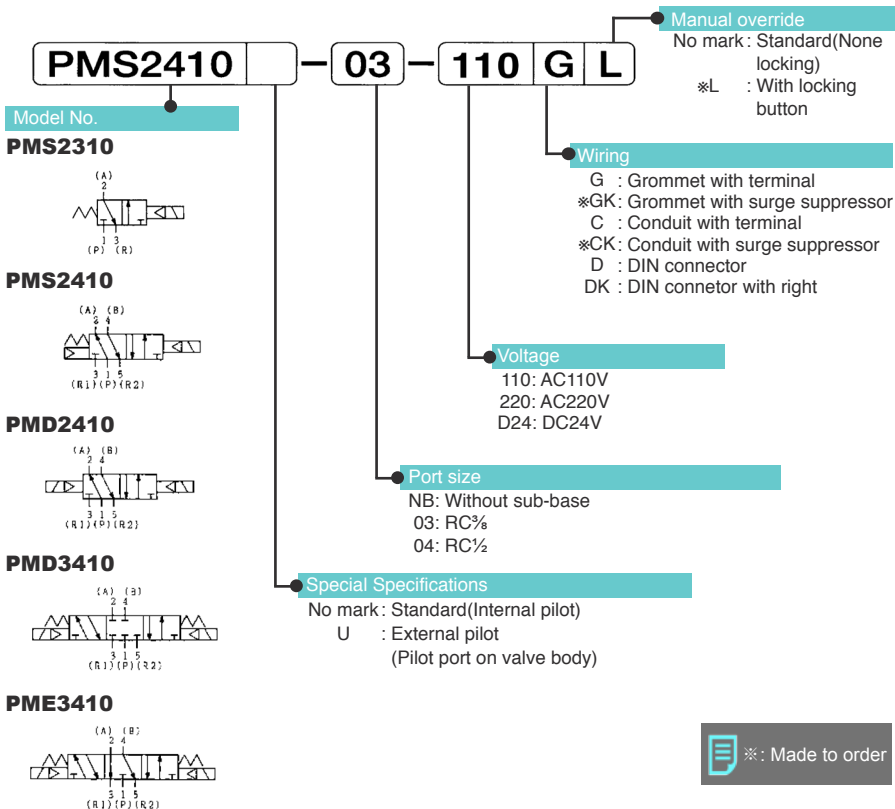


Specifications

Model No.				Unit	PMS2310	PMS2410	PMD2410	PMD3410	PME3410
Fluid					Non-lubricated/lubricated air				
Port size					RC%, ½				
Effective area				mm²	38	50			
CV value					2.06	2.71			
Operating ambient temperature				°C	-5~60				
Operating pressure range				MPa	0.2~0.7	0.2~0.8			
Maximum frequency				cycle/min	300			240	
Response time (at 0.5MPa)				s (average)	ON 0.015 OFF 0.035	ON 0.015 OFF 0.035	ON 0.015	ON 0.020 OFF 0.060	
Rated voltage				V	AC/110,220 DC24				
Grade of insulation					JIS grade B				
Permission voltage fluctuation				%	AC±10 DC+10-15				
Rated frequency				Hz	50/60				
Apparent power	AC	Holding	50Hz	VA	3.2 (110/220)				
			60Hz	VA	2.6 (110/220)				
		Inrush	50Hz	VA	5 (110/220)				
			60Hz	VA	4.5 (110/220)				
Power consumption DC				W	2				
Wiring					Grommet with terminal, Conduit with terminal, DIN connector				
Mass				kg	0.8	1.5	1.6	1.9	1.9



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



Optional Parts and Spare Parts

Parts Name		Model No.
Sub-base	RC $\frac{1}{2}$	PM10-SB-03
	RC $\frac{1}{2}$	PM10-SB-04
Base gasket		A10-G
Spring	For 2-position	PM10-SB
	For 3-position	PM10-3B

Pilot valve

SS231-NB-110GL

Voltage

110: AC110V
 220: AC220V
 D24: DC24V

Wiring

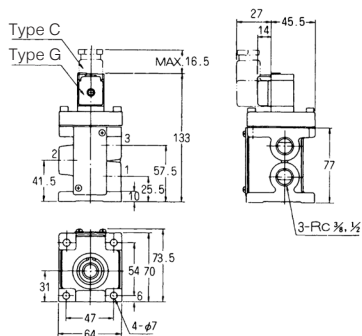
G : Grommet with terminal
 ※GK : Grommet with surge suppressor
 C : Conduit with terminal
 ※CK : Conduit with surge suppressor
 D : DIN connector

Manual override

No mark: Without option (Standard)
 ※L : With locking button

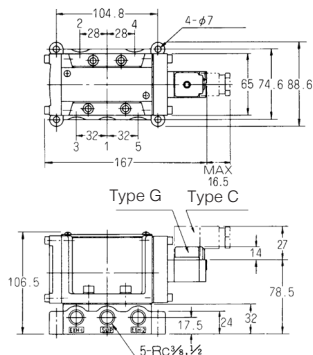
PMS2310

(Unit: mm)



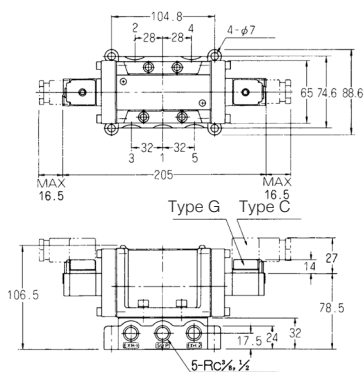
PMS2410

(Unit: mm)



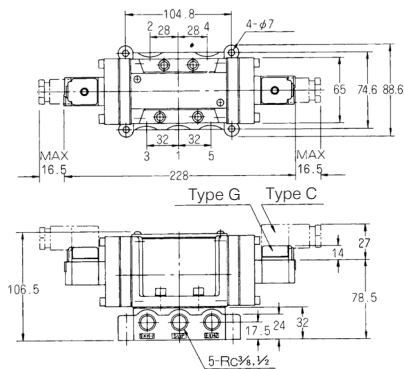
PMD2410

(Unit: mm)



PMD3410, PME3410

(Unit: mm)



PM15 Series

3/5-Port Pilot Operated Solenoid Valves
Metal Seal, In-line/Sub-base Mounting type

PMS2315

2-position, single solenoid

PMS2415

2-position, single solenoid

PMD2415

2-position, double solenoid

PMD3415

3-position, closed center

PME3415

3-position, ABR connect

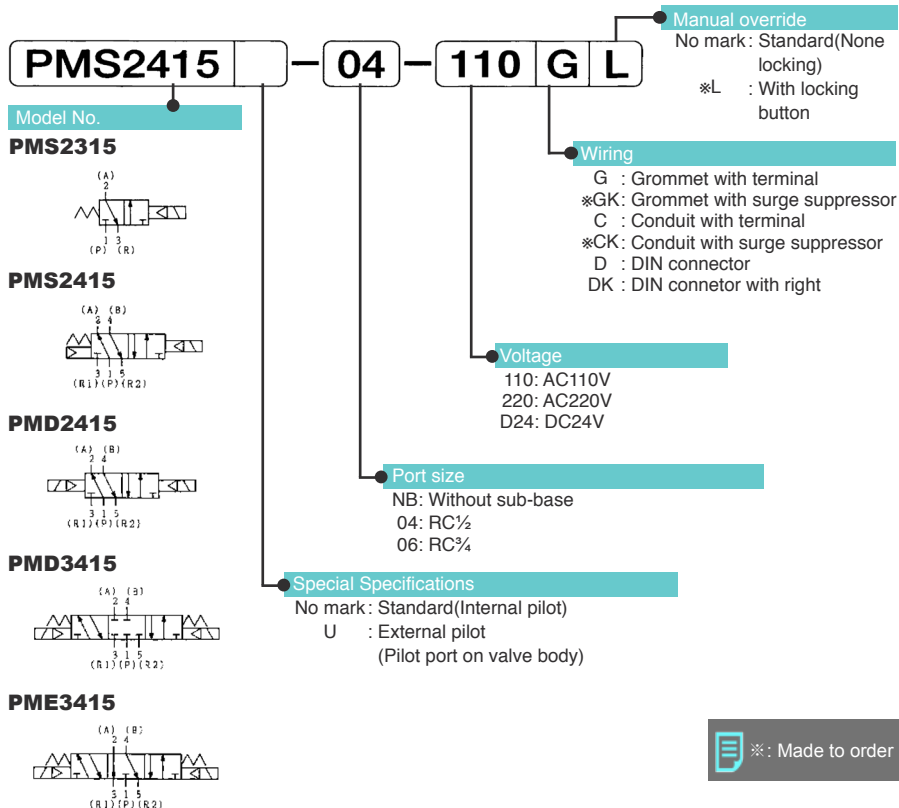


Specifications

Model No.				Unit	PMS2315	PMS2415	PMD2415	PMD3415	PME3415
Fluid					Non-lubricated/lubricated air				
Port size					RC½, ¾				
Effective area				mm²	80	75			
CV value					4.34	4.07			
Operating ambient temperature				°C	-5~60				
Operating pressure range				MPa	0.2~0.7	0.2~0.8			
Maximum frequency				cycle/min	120				
Response time (at 0.5MPa)				s (average)	ON 0.020 OFF 0.055	ON 0.022 OFF 0.055	ON 0.020	ON 0.030 OFF 0.100	
Rated voltage				V	AC/110,220 DC24				
Grade of insulation					JIS grade B				
Permission voltage fluctuation				%	AC±10 DC+10-15				
Rated frequency				Hz	50/60				
Apparent power	AC	Holding	50Hz	VA	3.2 (110/220)				
			60Hz	VA	2.6 (110/220)				
		Inrush	50Hz	VA	5 (110/220)				
			60Hz	VA	4.5 (110/220)				
Power consumption DC				W	2				
Wiring					Grommet with terminal, Conduit with terminal, DIN connector				
Mass				kg	1.2	2.3	2.4	2.7	2.7



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



Optional Parts and Spare Parts

Parts Name	Model No.
Sub-base	RC½ PM15-SB-04
	RC¾ PM15-SB-06
Base gasket	A15-G
Spring	For 2-position PM15-SS
	For 3-position PM15-3S

Pilot valve

SS231 - NB - 110 G L

Voltage

110: AC110V
 220: AC220V
 D24: DC24V

Wiring

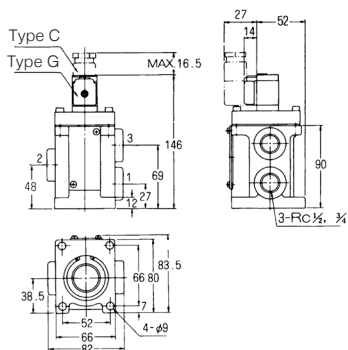
G : Grommet with terminal
 ※GK: Grommet with surge suppressor
 C : Conduit with terminal
 ※CK: Conduit with surge suppressor
 D : DIN connector

Manual override

No mark: Without option(Standard)
 ※L : With locking button

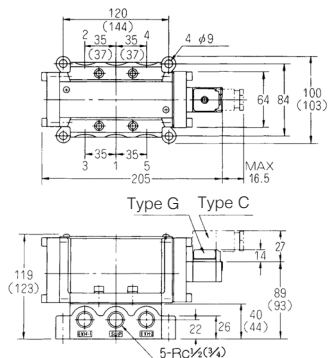
PMS2315

(Unit: mm)



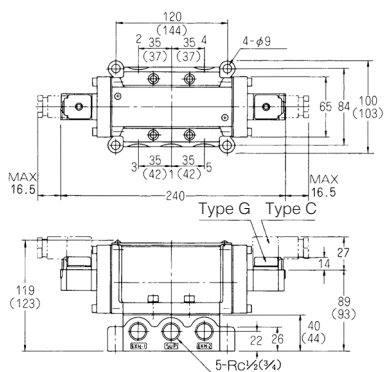
PMS2415

(Unit: mm)



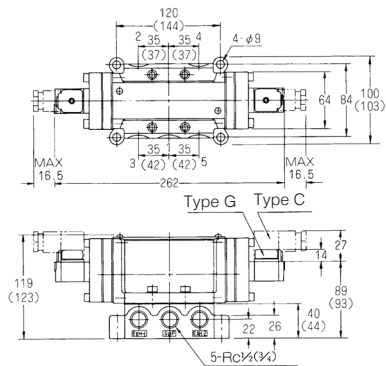
PMD2415

(Unit: mm)



PMD3415, PME3415

(Unit: mm)



PM25 Series

3/5-Port Pilot Operated Solenoid Valves
Metal Seal, In-line/Sub-base Mounting type

PMS2325

2-position, single solenoid

PMS2425

2-position, single solenoid

PMD2425

2-position, double solenoid

PMD3425

3-position, closed center

PME3425

3-position, ABR connect

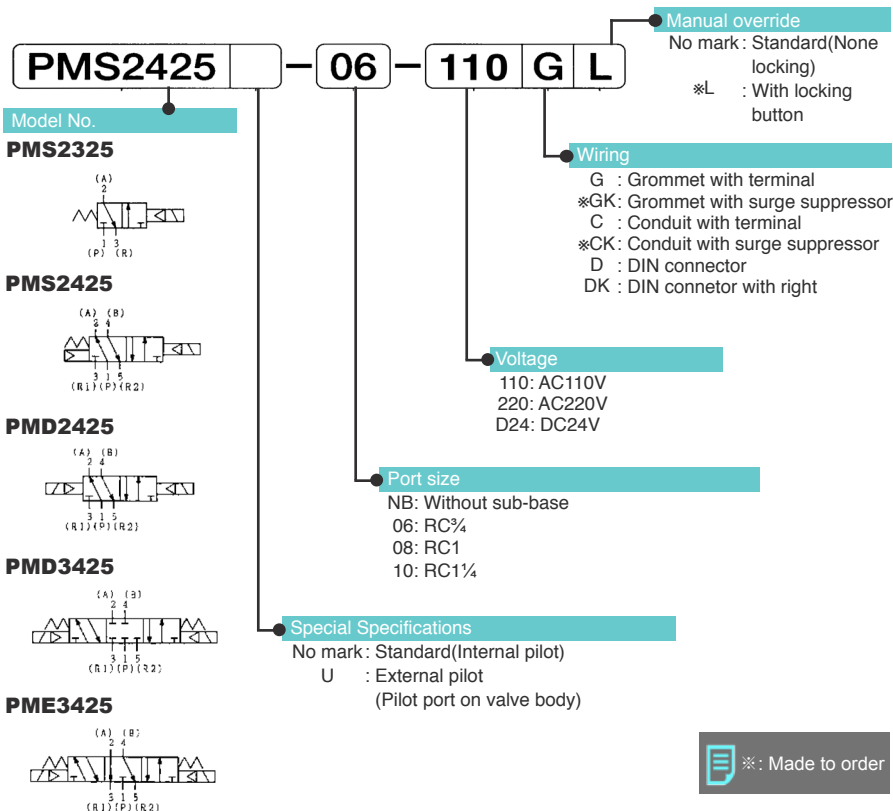


Specifications

Model No.			Unit	PMS2325	PMS2425	PMD2425	PMD3425	PME3425
Fluid				Non-lubricated/lubricated air				
Port size				RC1	RC¾, 1, 1¼			
Effective area			mm²	190	170(RC¾), 200(RC1), 210(RC1¼)		165(RC¾), 190(RC1), 195(RC1¼)	
CV value				10.3	9.22(RC¾), 10.84(RC1), 11.39(RC1¼)		8.94(RC¾), 10.29(RC1), 10.57(RC1¼)	
Operating ambient temperature			°C	-5~60				
Operating pressure range			MPa	0.2~0.7	0.2~0.8			
Maximum frequency			cycle/min	60				
Response time (at 0.5MPa)			s (average)	ON 0.040(0.050) OFF 0.220(0.300)		ON 0.060 (0.070)	ON 0.060(0.070) OFF 0.290(0.300)	
Rated voltage			V	AC/110,220 DC24				
Grade of insulation				JIS grade B				
Permission voltage fluctuation			%	AC±10 DC+10-15				
Rated frequency			Hz	50/60				
Apparent power	AC	Holding	50Hz	VA	3.2 (110/220)			
			60Hz	VA	2.6 (110/220)			
		Inrush	50Hz	VA	5 (110/220)			
			60Hz	VA	4.5 (110/220)			
Power consumption DC			W	2				
Wiring				Grommet with terminal, Conduit with terminal, DIN connector				
Mass			kg	3	6.1	6.3	6.9	6.9



- 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



Optional Parts and Spare Parts

Parts Name		Model No.
Sub-base	RC $\frac{3}{4}$	PM25-SB-06
	RC1	PM25-SB-08
	RC1 $\frac{1}{4}$	PM25-SB-10
Base gasket		A25-G
Spring	For 2-position	PM25-SS
	For 3-position	PM25-3S

Pilot valve

SS231-NB-110GL

Voltage

110: AC110V
 220: AC220V
 D24: DC24V

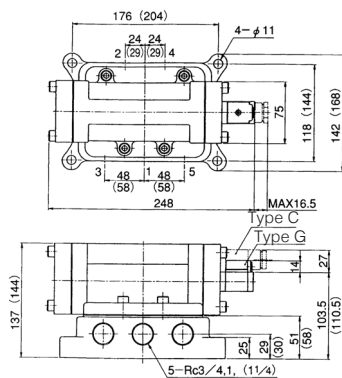
Wiring

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

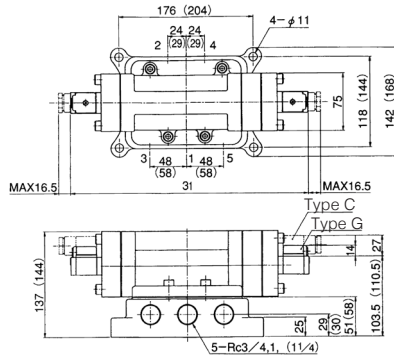
Manual override

No mark: Without option (Standard)
 *L : With locking button

(Unit: mm)



(Unit: mm)



MFO - C

Individual Wiring Type Manifold
Sparate 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

MF□-CS

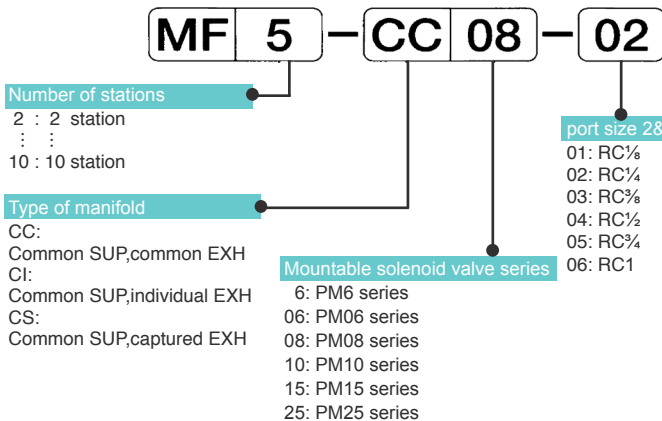
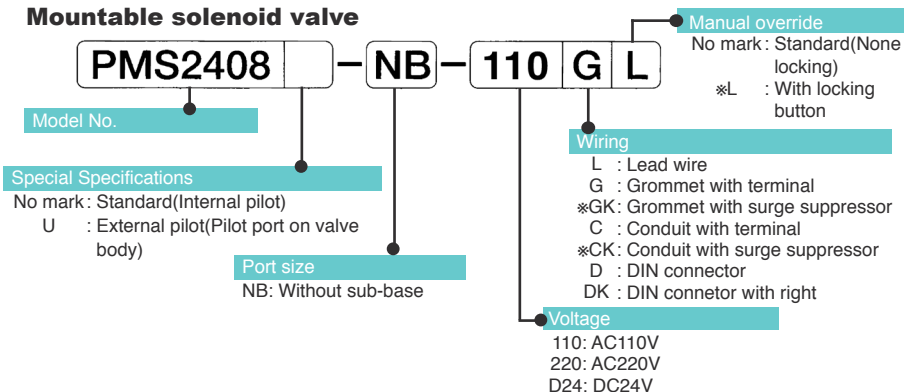
Common SUP,captured EXH,
ports 2 & 4 on the side



Manifold Specifications

Type of manifold		MF□-CC6	MF□-CS6	MF□-CC06	MF□-CC08	MF□-CC10	MF□-CC15	MF□-CC25
		Common SUP, common EXH	Common SUP, captured EXH	Common SUP, common EXH	Common SUP, common EXH	Common SUP, common EXH	Common SUP, common EXH	Common SUP, common EXH
Port size	Port 1	Rc½, Rc¼	Rc½, Rc¼	Rc¼	Rc¾	Rc½	Rc¾	Rc1
	Port 3, 5	Rc¾	Rc¼(1 place)	Rc¼	Rc¾	Rc½	Rc¾	Rc1
	Port 2, 4	Rc¾	Rc¾	Rc½, Rc¼	Rc¼, ¾	Rc¾, ½	Rc½	Rc¾, 1
Number of stations		2~10						
Mountable solenoid valve		PMS246-NB PMD246-NB PMD346-NB PME346-NB		PMS2406-NB PMD2406-NB PMD3406-NB PME3406-NB	PMS2408-NB PMD2408-NB PMD3408-NB PME3408-NB	PMS2410-NB PMD2410-NB PMD3410-NB PME3410-NB	PMS2415-NB PMD2415-NB PMD3415-NB PME3415-NB	PMS2425-NB PMD2425-NB PMD3425-NB PME3425-NB
Blank plate		CC6-BP		CC06-BP	CC08-BP	CC10-BP	CC15-BP	CC25-BP

Type of manifold		MF□-CI6	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	Common SUP, individual EXH
Port size	Port 1	Rc½, Rc¼	Rc¼	Rc¾	Rc½	Rc¾	Rc1
	Port 3, 5	Rc¾	Rc¾	Rc¼, ¾	Rc½	Rc¾	Rc1
	Port 2, 4	Rc¾	Rc½, Rc¼	Rc¼, ¾	Rc¾, ½	Rc½	Rc¾, 1
Number of stations		2~10					
Mountable solenoid valve		PMS246-NB PMD246-NB PMD346-NB PME346-NB	PMS2406-NB PMD2406-NB PMD3406-NB PME3406-NB	PMS2408-NB PMD2408-NB PMD3408-NB PME3408-NB	PMS2410-NB PMD2410-NB PMD3410-NB PME3410-NB	PMS2415-NB PMD2415-NB PMD3415-NB PME3415-NB	PMS2425-NB PMD2425-NB PMD3425-NB PME3425-NB
Blank plate		CC6-BP	CC06-BP	CC08-BP	CC10-BP	CC15-BP	CC25-BP

Manifold**Mountable solenoid valve****Tagging method**

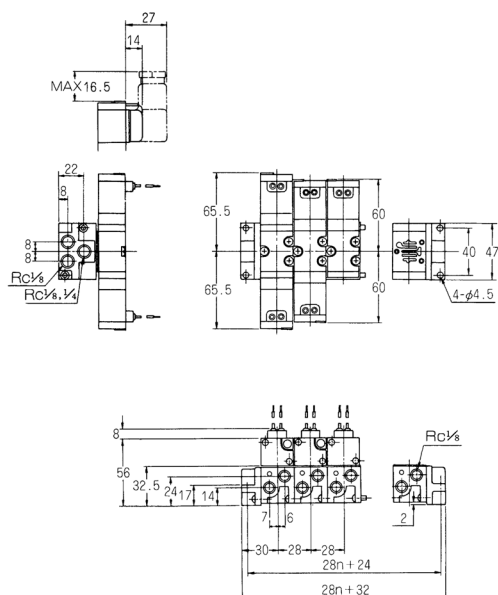
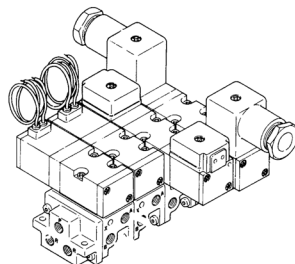
- Specify the type and number of manifolds and solenoid valves, as well as number of blank plates in accordance with the following example of description.

Example:

MF5-CC08-02	1 pcs.
PMS2408-NB-110	2 pcs.
PMD3408-NB-110	1 pcs.
CC08-BP	1 pcs.

MF□-CC6

(Unit: mm)

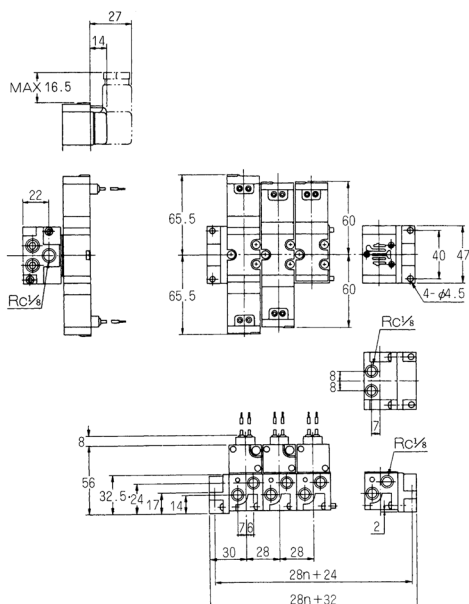
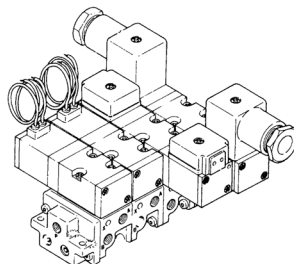
**Specifications for connection**

- Port 1: Left side on dimensional drawing
Port size Rc $\frac{1}{4}$ (Rc $\frac{1}{4}$)
- Port 2 & 4: Front side on dimensional drawing
Port size Rc $\frac{1}{4}$
- Port 3 & 5: Left side on dimensional drawing
Port size Rc $\frac{1}{4}$

n: Number of stations

MF□-CI6

(Unit: mm)

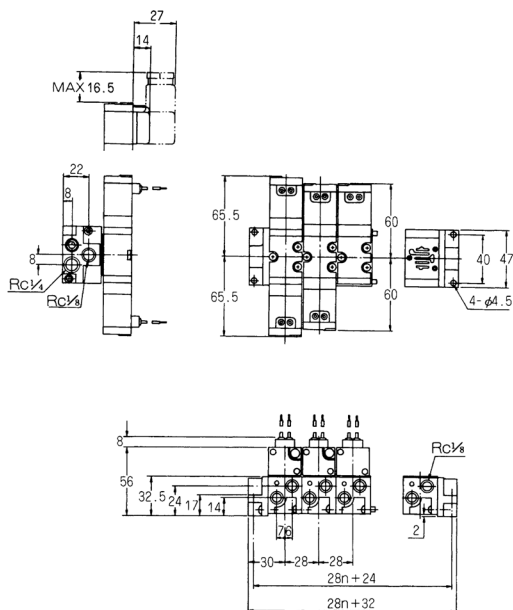
**Specifications for connection**

- Port 1: Left side on dimensional drawing
Port size Rc $\frac{1}{4}$ (Rc $\frac{1}{4}$)
- Port 2 & 4: Front side on dimensional drawing
Port size Rc $\frac{1}{4}$
- Port 3 & 5: Left side on dimensional drawing
Port size Rc $\frac{1}{4}$

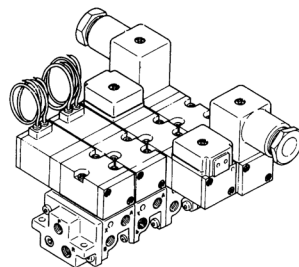
n: Number of stations

MF□-CS6

(Unit: mm)



Specifications for connection



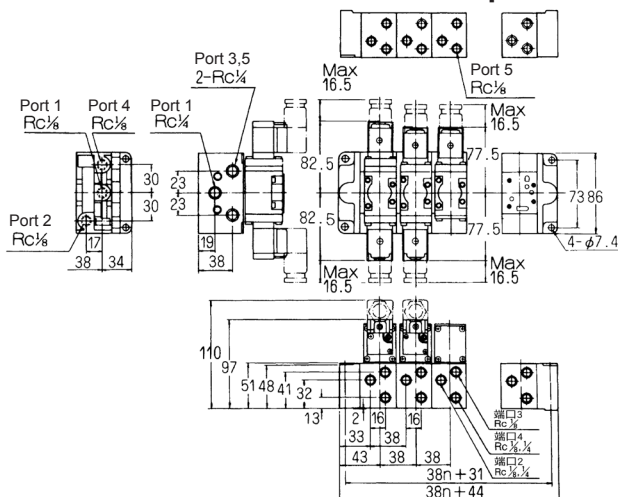
- Port 1: Left side on dimensional drawing
Port size Rc 1/4 (Rc 1/2)
- Port 2 & 4: Front side on dimensional drawing
Port size Rc 1/2
- Port 3 & 5: Left side on dimensional drawing
Port size Rc 1/2

n: Number of stations

MF□-CC6, MF□-CI06

(Unit: mm)

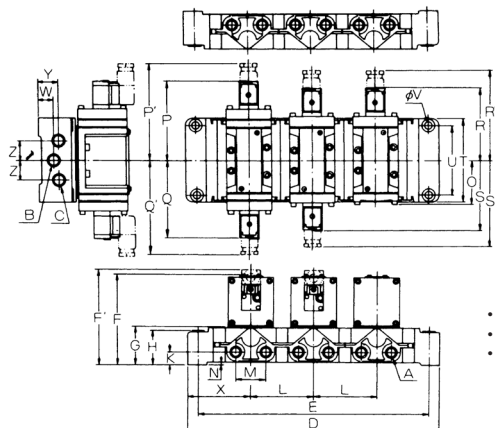
Specifications for connection



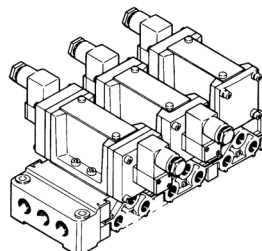
n: Number of stations

MF□-CC08~25

(Unit: mm)



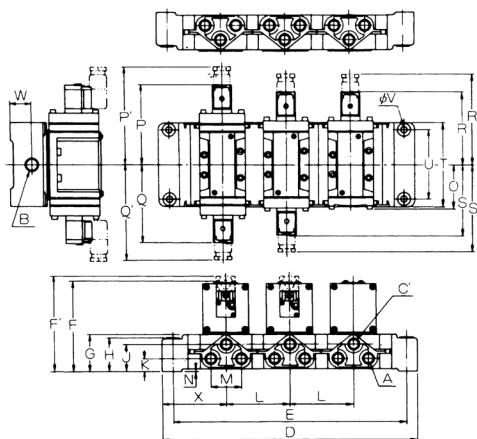
Specifications for connection



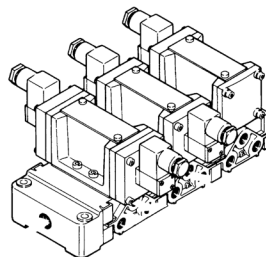
- Port 1: Left side on dimensional drawing
- Port 2 & 4: Front side on dimensional drawing
- Port 3 & 5: Left side on dimensional drawing

MF□-CI08~25

(Unit: mm)



Specifications for connection



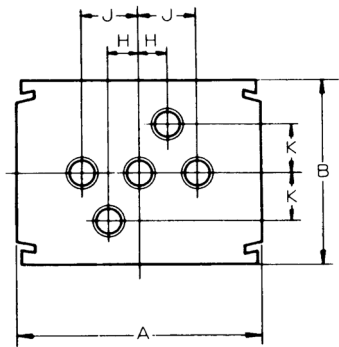
- Port 1: Left side on dimensional drawing
- Port 2 & 4: Front side on dimensional drawing
- Port 3: Front side on dimensional drawing
- Port 5: Back side on dimensional drawing

Model No.	A	B	C	C'	D	E	F	F'	G	H	J	K	L	M	N	O	P	P'	Q	Q'	R	R'	S	S'	T	U	V	W	X	Y	Z	
MF-CC08	¼	¾	—	—	70n	70n	117	116.5	52	51	—	—	16.5	70	32	4	48	98	122	94	118	88	112	87	111	90	74	8.5	19	75	35	22
MF-CI08	(¾)	¾	—	¾(¾)	+80	+64					39.5																		—	—		
MF-CC10	⅝	⅝	—	—	90n	90n	129	127.5	54	48	—	—	18.5	90	43	4	64	114	138	114	138	103	127	102	126	120	100	10.5	30	90	30	32
MF-CI10	(⅝)	⅝	—	¾(⅝)	+90	+60					39.5																		—	—		
MF-CC15	¾	¾	—	—	110n	110n	149	145	69	60	—	—	23	110	52	4	84	131	155	131	155	120	144	120	144	120	12.5	35	112	35	37	
MF-CI15	¾	¾	—	½	+110	+80					49																		—	—		
MF-CC25	¾	1	—	—	150n	150n	187	200	85	80	—	—	29	150	72	4	115	166	182	159	175	140	156	159	175	200	170	15	50	145	50	54
MF-CI25	(1)	1	—	¾(1)	+140	+110					59																		—	—		

- "n" is the number of stations of manifold.
- Port size in parantheses is made to order.

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	144	110	30	45	22.5
MF□-CC25,CI25	Rc¾, 1	200	150	45	60	30

Adaptor(connect a manifold of different size)

(Unit: mm)



Model No.	MFA-C0608	MFA-C0810	MFA-C1015	MFA-C1525
Applicable manifold	MF-C□06 MF-C□08	MF-C□08 MF-C□10	MF-C□10 MF-C□15	MF-C□15 MF-C□25
X	24	30	40	50

