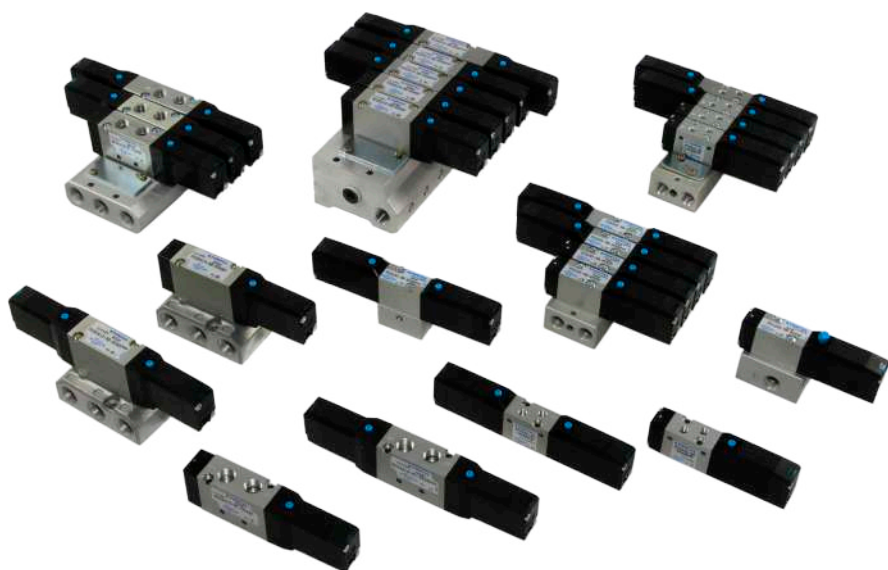


PC/RC5,13

Series

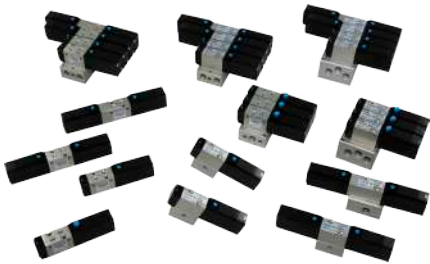
Miniature 3/5-port pilot operated solenoid valve
Rubber seal, sub-base/in-line mounting



PC Series/ Rubber Seal, Sub-base Mounting

RC Series/ Rubber Seal, In-line Mounting

- **Can be used in low pressure environment and vacuum**
External pilot type
- **With manual override**
Without lock (Standard), With lock (Optional)
- **Effective area: 4mm² and 12mm²**
- **Latch type solenoid version**
Support double coils connected in parallel on the same side. The width is the same as a single coil which saves wiring and space.
- **Wing-shaped solenoid coil with long service life**

PC•RC5 Series	PC•RC13 Series
Width: 15mm Effective area: 4mm ²	Width: 18mm Effective area: 12mm ²
	

PC5 Pilot Operated / Sub-base Mounting Type

PC5 Pilot type (B9)



Manifold (B19)



PCL5 Latch type (B54)

**PC13 Pilot Operated / Sub-base Mounting Type**

PC13 Pilot type (B36)



Manifold (B42)



PCL13 Latch type (B65)

**RC5 Pilot Operated / In-line Mounting Type**

RC5 Pilot type (B26)



Manifold (B32)



RCL5 Latch type (B54)

**RC13 Pilot Operated / In-line Mounting Type**

RC13 Pilot type (B45)



Manifold (B51)



RCL13 Latch type (B65)

**GC30 Pilot Operated / Sub-base Mounting Type**

GC30 Pilot type (B75)



Manifold (B79)



PCL5, 13 Series / Rubber Seal, Sub-base Mounting Type

RCL5, 13 Series / Rubber Seal, In-line Mounting Type

Compact size

Double coils can be connected parallel on the same side. The size is equivalent to that of a single coil. (PCL5 and 13 belongs to the same type).

Save wiring

All the wiring are on the same side. “+” “-” and “Common” are the standards for the three wirings used.

PCL•RCL5



PCL•RCL13



PCL5 Pilot Operated / Sub-base Mounting Type

PCL5 Pilot type(B54)



Manifold (B61)



RCL5 Pilot Operated / In-line Mounting Type

RCL5 Pilot type(B54)



Manifold (B63)



PCL13 Pilot Operated / Sub-base Mounting Type

PCL13 Pilot type(B65)



Manifold (B70)



RCL13 Pilot Operated / In-line Mounting Type

RCL13 Pilot type(B65)



Manifold (B72)



⚠ PC/RC5, 13 Series Introduction 1

Be sure to read the following instructions before use.

With regard to common and specific instructions, please refer to the content within the catalog.

Wiring specifications

⚠ Caution

• L type

Lead wire

(AWG22 Length 300mm: PC·RC5, PC·RC13,
PCL·RCL5, PCL·RCL13, GC30)



• SP type

Connect with lead wire (with indicator)

(AWG22 Length 500mm: PC·RC5, PC·RC13,
PCL·RCL5, PCL·RCL13, GC30)



• Lead wire color

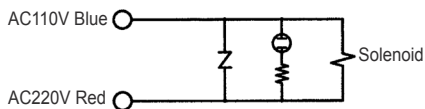
Wiring type	AC110	AC220	DC
L	Blue	Red	Black
SP	Blue	Red	+: Red, -: Black
SP (For PCL&RCL)	—	—	-a: Yellow, +COM: Red, -b: Black

SP type internal circuit

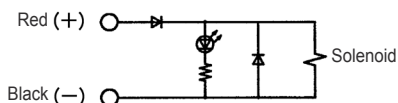
⚠ Caution

• PC·RC5, 13, GC30

For AC

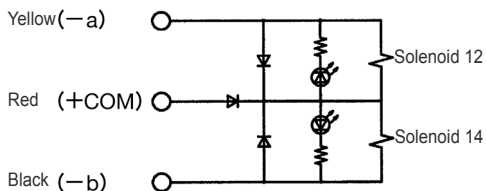


For DC



With regard to the application for DC, please refer to the positive and negative mark on the cap for wiring.

• PCL·RCL5, 13



⚠ PC/RC5, 13 Series Introduction 2

Be sure to read the following instructions before use.

With regard to common and specific instructions, please refer to the content within the catalog.

Wiring specifications

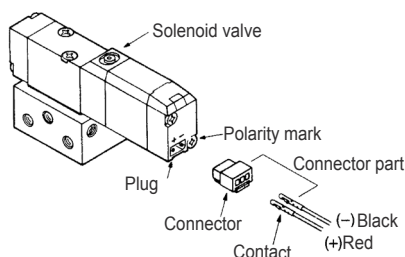


Caution

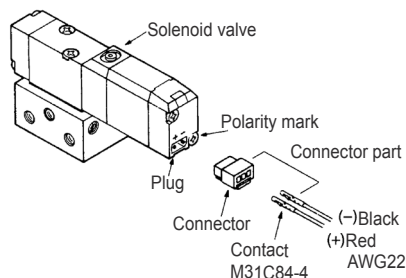
• How to plug in and eject connector

When plugging in the connector, please lightly press the clip with your finger, and connect it all the way in until it's mounted with click sound. When ejecting, simply press the clip and take it out.

PC-RC5, 13



PCL · RCL5, 13



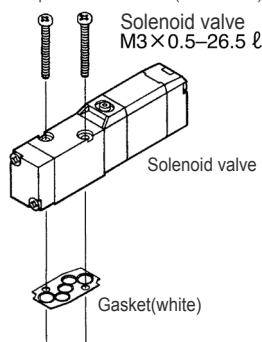
Combination of solenoid valve and base gasket



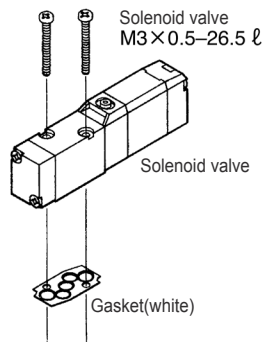
Caution

• PC-RC5, 13

Individual pilot air exhaust(standard)



• PCL · RCL5, 13



Combination of solenoid valve and base gasket

• The following table shows the proper torque tightness needed for assembly.

Solenoid valve	Screw size	Number	Torque tightness (N·m)
PC5 Series RC5 Series	M3×22ℓ Phillips screws	#2	0.6~0.7
PC13 Series RC13 Series	M3×30ℓ Phillips screws	#2	0.6~0.7

• Water discharge

To maintain air quality within a certain level, discharge water from air filter periodically.

⚠ PC/RC5, 13 Series Introduction 3

Be sure to read the following instructions before use.

With regard to common and specific instructions, please refer to the content within the catalog.

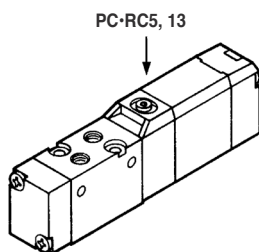
Manual override

⚠ Caution

• PC·RC5, 13

No lock operation

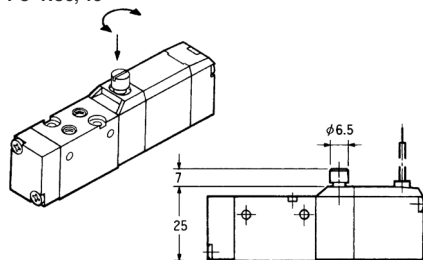
Press the manual override with the miniature tool on the front-tip to switch to power-on position



Locking operation

Press the manual override with a flathead screwdriver to switch to the power-on position, press the manual override for 90 degrees clockwise will lock it in at the power-on position.

PC·RC5, 13



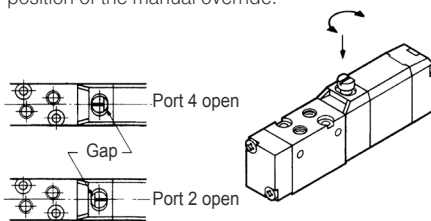
Manual override

⚠ Caution

• PCL·RCL5, 13

Turn the manual override with a flathead screwdriver for 180 degrees, and then push and press.

The following status is dependent upon the gap position of the manual override.



⚠ PC/RC5, 13 Series Introduction 4

Be sure to read the following instructions before use.

With regard to common and specific instructions, please refer to the content within the catalog.

External pilot pressure



Caution

- When an external pilot is used, be sure to provide pressure equal or greater than that of main valve. Otherwise it would cause operation failure.
- When supplying pressure, first supply to the external pilot then the main valve. When shutting off pressure and air exhaust, turn off the pressure for the main valve first, and then turn off the external pilot pressure and discharge air.
- Reverse the above-mentioned order may cause machinery operation failure.

Effective Area

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

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. $P_H \leq 2P_L$ (Subsonic velocity zone)

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

2. $P_H \geq 2P_L$ (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)

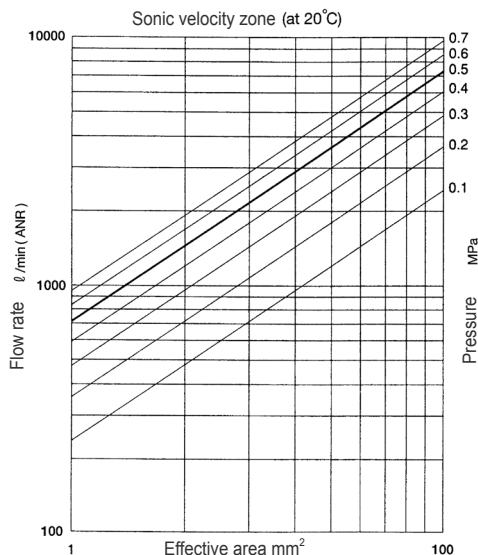
P_H : Pressure on upper stream (MPa abs)

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)



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

PC5 Series

Pilot Operated Solenoid Valve
Rubber Seal/Sub-base Mounting Type

PCS245

2-position, single solenoid

PCD245

2-position, double solenoid

PCD345

3-position, closed center

PCE345

3-position, ABR connect

PCO345

3-position, PAB connect

PCL245 (Latch type)

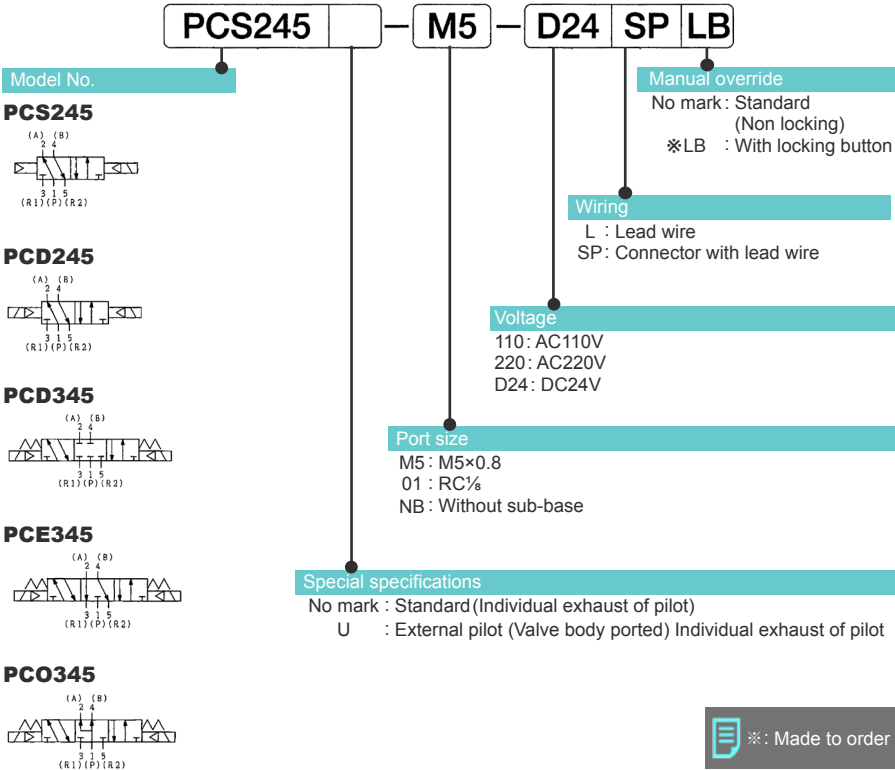
2-position, latching solenoid



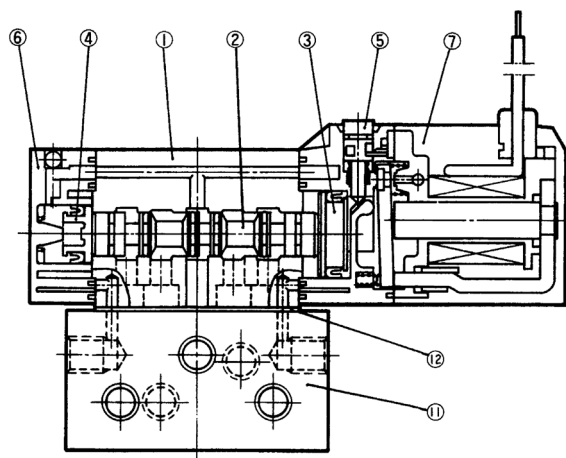
Specifications(Standard)

Model No.				Unit	PCS245	PCD245	PCD345	PCE345	PCO345
Fluid					Non-lubricated/lubricated air				
Port size					M5, RC½				
Effective area				mm ²	3.7 (0.2): M5, 4 (0.22): RC½		2.2 (0.12): M5, 2.5 (0.14): RC½		
Operating ambient temperature				°C	-5 ~ 5 0				
Minimum operating pressure				MPa	0.15	0.1	0.15		
Pressure range				MPa	0.2 ~ 0.8				
Maximum frequency				cycle/min	AC:900 DC:1200(L type) 900(SP type)				
Response time	DC	L type	ON	s	0.016	0.012	0.012		
			OFF		0.020	—	0.022		
		SP type	ON		0.016	0.012	0.012		
			OFF		0.03	—	0.04		
	AC L SP	50Hz	ON		0.014	0.008	0.008		
			OFF		0.037	—	0.047		
		60Hz	ON		0.014	0.008	0.008		
			OFF		0.03	—	0.04		
Rated voltage				V	AC/110,220 DC24				
Permission voltage fluctuation				%	AC±10 DC+10, -15				
Rated frequency				Hz	50/60				
Power consumption	AC	Holding	50Hz	VA	2.5 (110/220)				
			60Hz	VA	2.0 (110/220)				
		Inlush	50Hz	VA	2.9 (110/220)				
			60Hz	VA	2.5 (110/220)				
Power consumption				W	1.8				
Grade of insulation					JIS grade B				
Wiring					Lead wire (L), connetor with Lead wire (SP)				
Mass	L type	NB	g	62	94	103			
		M5		106	138	147			
		RC½		118	150	159			
	SP type	NB		62	94	103			
		M5		106	138	147			
		RC½		118	150	159			

Note: Supply complete-dry air to avoid freezing when temperature of valve site falls below 5°C

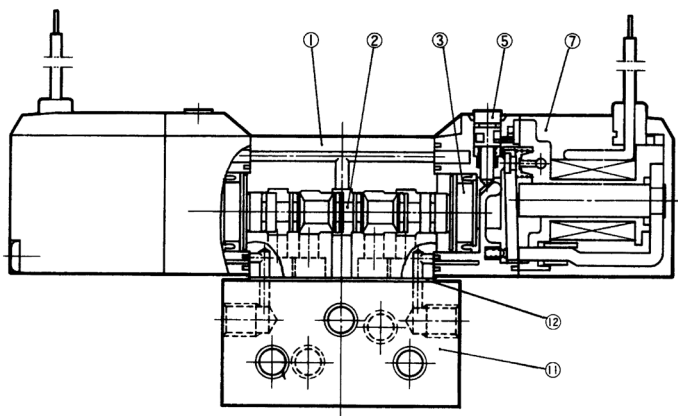
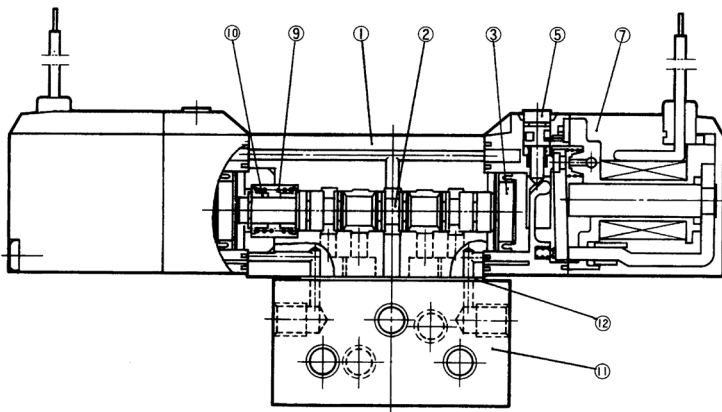


PCS245



Main Components

No.	Description	Material
1	Body	Aluminium alloy
2	Spool assembly	—
3	Piston D	Synthetic resin
4	Piston S	Synthetic resin
5	Manual override	Synthetic resin
6	End cover	Synthetic resin
7	Pilot valve	—
8	Return spring S	Stainless steel
9	Return spring 3P	Stainless steel
10	Spring retainer	Synthetic resin
11	Sub-base	Aluminium die-casting
12	Base gasket	NBR

PCD245**PCD345, PCE345, PCO345****Optional Parts and Spare parts****Connector with lead wire****PC5 - D24 - CL5****Voltage**

110: AC110V
220: AC220V
D24: DC24V

Lead wire length

CL5 : 500mm (standard)
CL10: 1000mm
CL20: 2000mm
CL30: 3000mm
CL50: 5000mm

Sub-base**PC5 - SB5 - M5****Number of port**

3: 3-port
5: 5-port

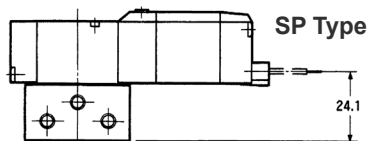
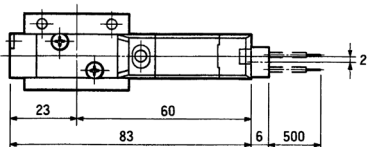
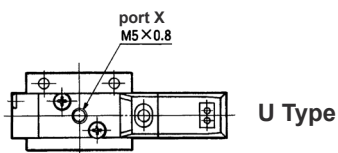
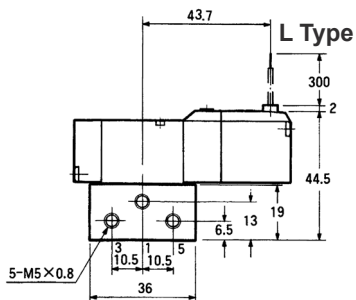
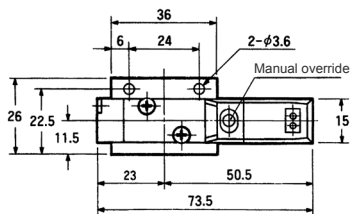
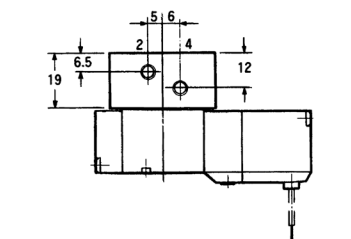
Port size

M5: M5×0.8
01: RC $\frac{1}{4}$

PCS245※-M5

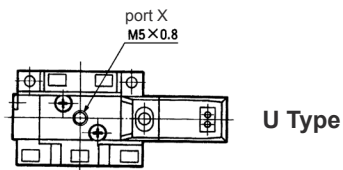
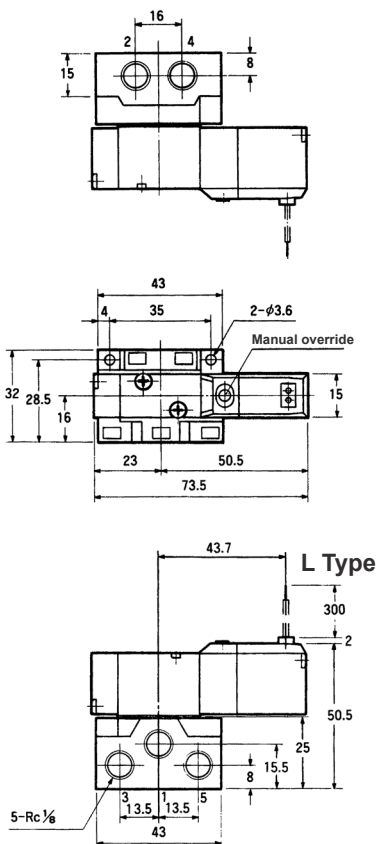
(Unit: mm)

PC/RC5,13

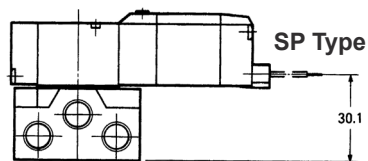
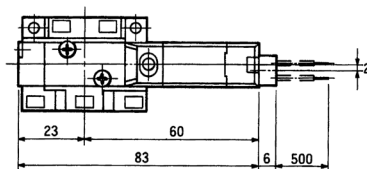


PCS245※-01

(Unit: mm)



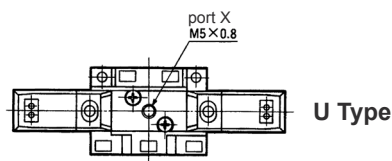
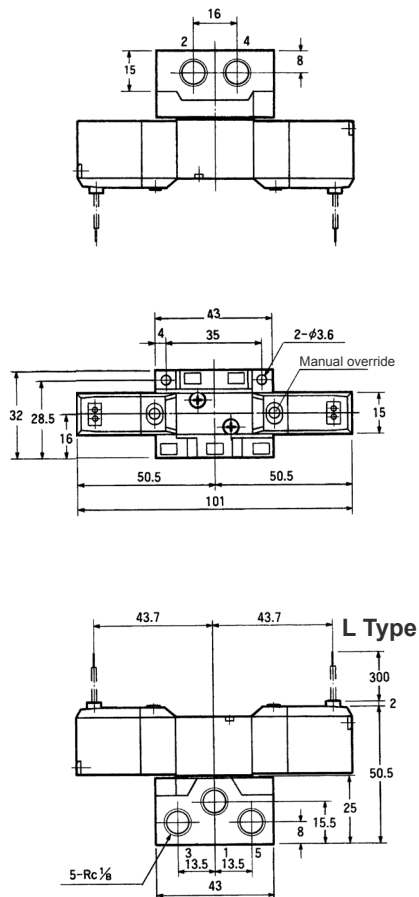
U Type



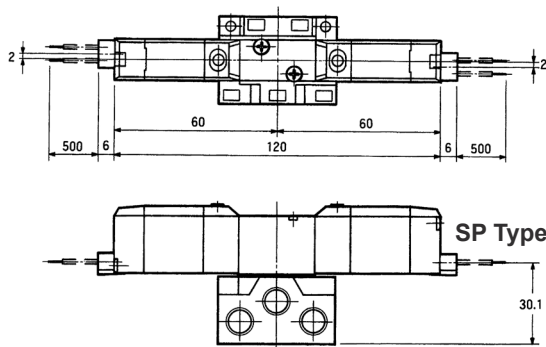
SP Type

PCD245※-01

(Unit: mm)



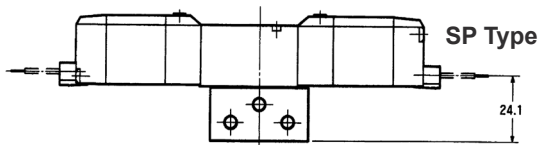
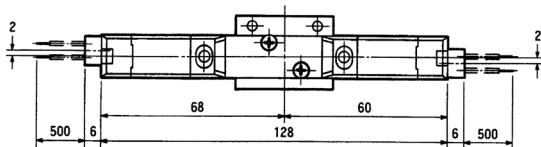
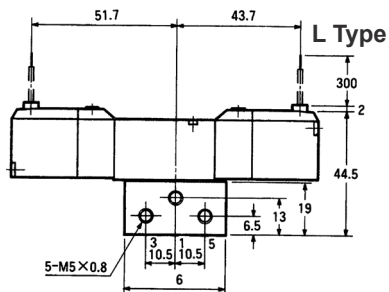
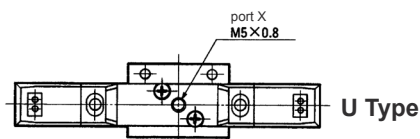
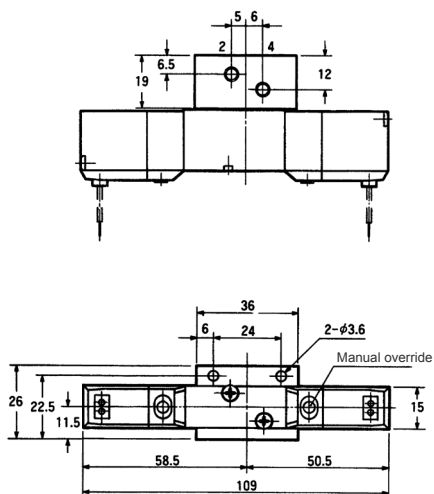
U Type



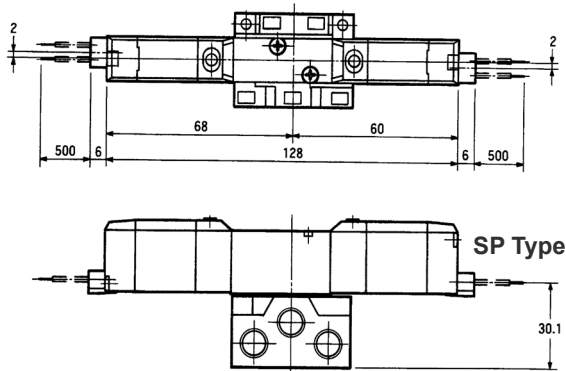
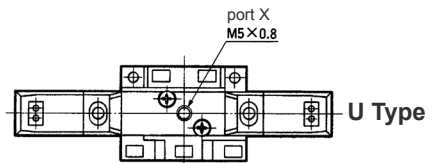
SP Type

PCD345※-M5, PCE345※-M5, PCO345※-M5

(Unit: mm)



(Unit: mm)



MF□-P□5

Individual Wiring Type Manifold
Bar Type

MFS□-PC5

common SUP, common EXH,
port 1,3 &5 on both sides

MFS□-PD5

Common SUP, common EXH,
port 1,3 &5 on one side

MFS□-PI5

Common SUP, individual EXH,
port 1 on one side



Manifold Specifications

Type of manifold		MFS□-PC5	MFS□-PD5	MFS□-PI6
		common SUP, common EXH, port 1,3 & 5 on both sides	common SUP, common EXH, port 1,3 & 5 on one side	common SUP, common EXH, port 1 on one side
Port size	Port 1	Rc $\frac{1}{8}$ (Both side)	Rc $\frac{1}{8}$ (One side)	Rc $\frac{1}{8}$ (One side)
	Port 3, 5	Rc $\frac{1}{8}$ (Both side)	Rc $\frac{1}{8}$ (One side)	Rc $\frac{1}{8}$ (Valve body ported)
	Port 2, 4	Rc $\frac{1}{8}$	M5	M5
	Port Y	—	—	—
	Port X	—	—	—
Number of stations		2~20		
Mountable solenoid valve		PCS245(U)-NB-※ PCD245(U)-NB-※ PCD345(U)-NB-※ PCE345(U)-NB-※ PCO345(U)-NB-※		PCS245-R5-※ PCD245-R5-※ PCD345-R5-※ PCE345-R5-※ PCO345-R5-※
Blank plate		PC5-BP		

Optional Parts

Part name		Model No.
Blank plate	For individual exhaust of pilot	PC5-BP

Manifold



Type of manifold

MFS: Valve body ported,
port 2 & 4 on the side

N: Number of stations

2 : 2 stations
:
10 : 10 stations

Option

No mark: Standard
B : With bracket
Note: Bracket is available
for PCS245 mounting.

Port size 2&4

M5: M5×0.8
O1: RC $\frac{1}{8}$

Mountable solenoid valve series

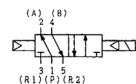
PC5 : common SUP, common EXH, port 1,3 & 5 on both sides
PD5 : common SUP, common EXH, port 1,3 & 5 one side
PI5 : common SUP, individual EXH, port 1 one side

Mountable solenoid valve

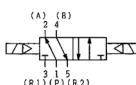


Model No.

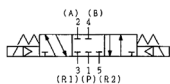
PCS245



PCD245



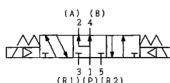
PCD345



PCE345



PCO3406



Manual override

No mark: Standard
(Non locking)
※LB : With locking button

Wiring

L : Lead wire
SP : Connector with lead wire

Voltage

110: AC110V
220: AC220V
D24: DC24V

Port size

NB: Without sub-base
R5: Port 3&5, valve body ported (M5)
Note: A gasket & two mounting screws come with valve.

Special specifications

No mark : Standard (Individual exhaust of pilot)
U : External pilot (Valve body ported) Individual exhaust of pilot

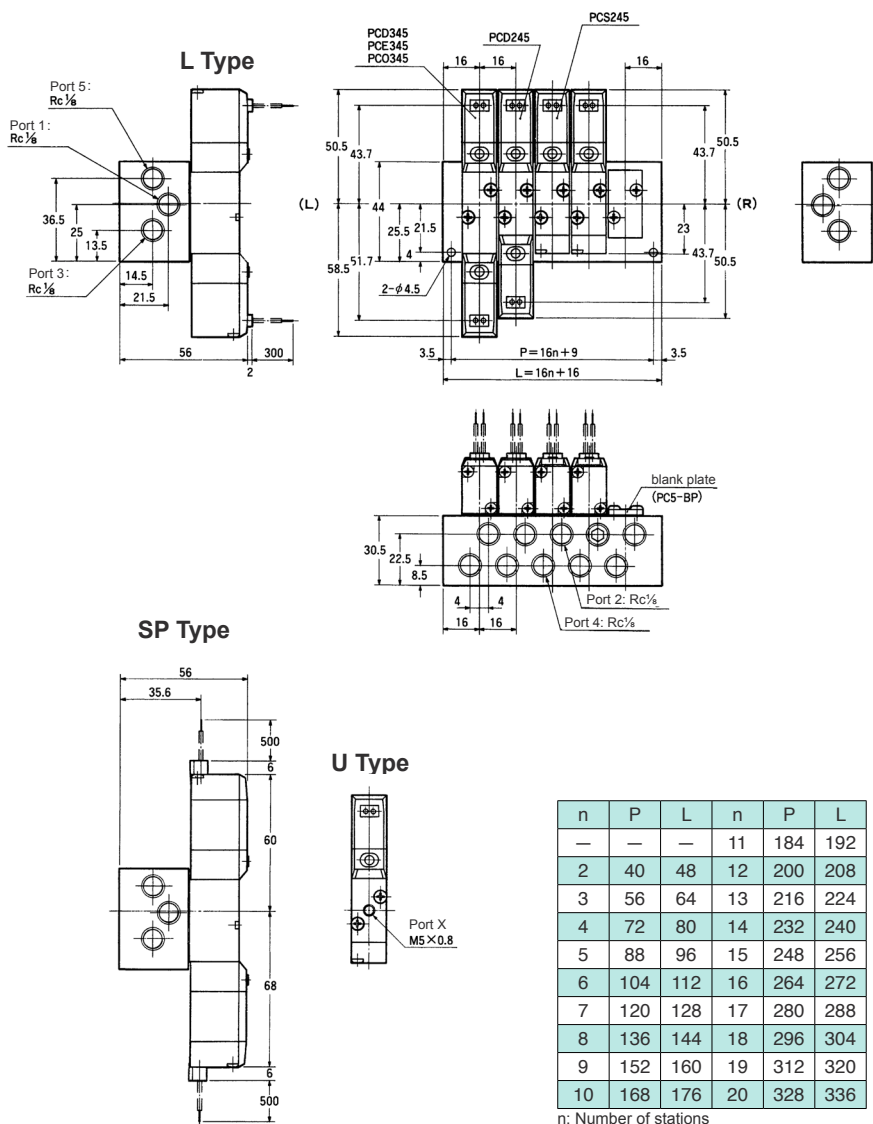


※: Made to order

MFS□-PC5-01

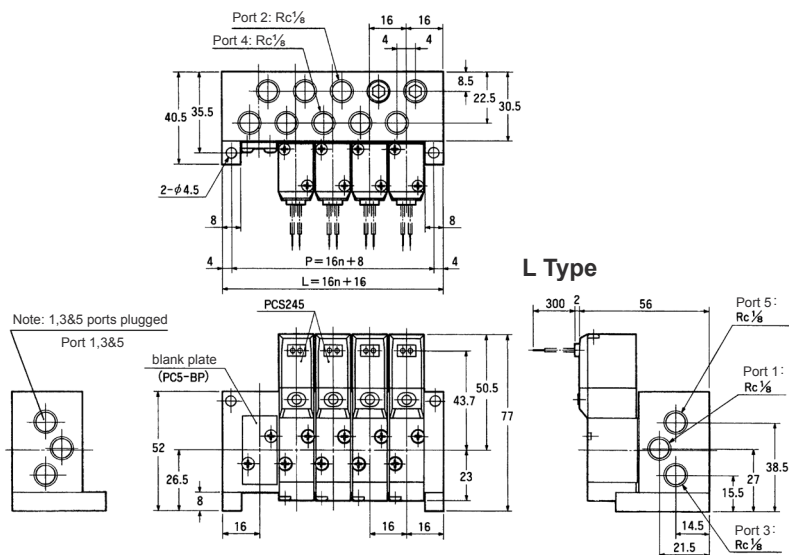
(Unit: mm)

Note: Standard manifold is plugged on "R" (Right) side ports.



MFS□-PC5-01-B

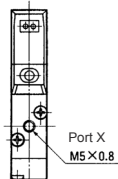
(Unit: mm)



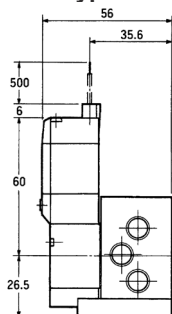
n	P	L	n	P	L
—	—	—	11	184	192
2	40	48	12	200	208
3	56	64	13	216	224
4	72	80	14	232	240
5	88	96	15	248	256
6	104	112	16	264	272
7	120	128	17	280	288
8	136	144	18	296	304
9	152	160	19	312	320
10	168	176	20	328	336

n: Number of stations

U Type

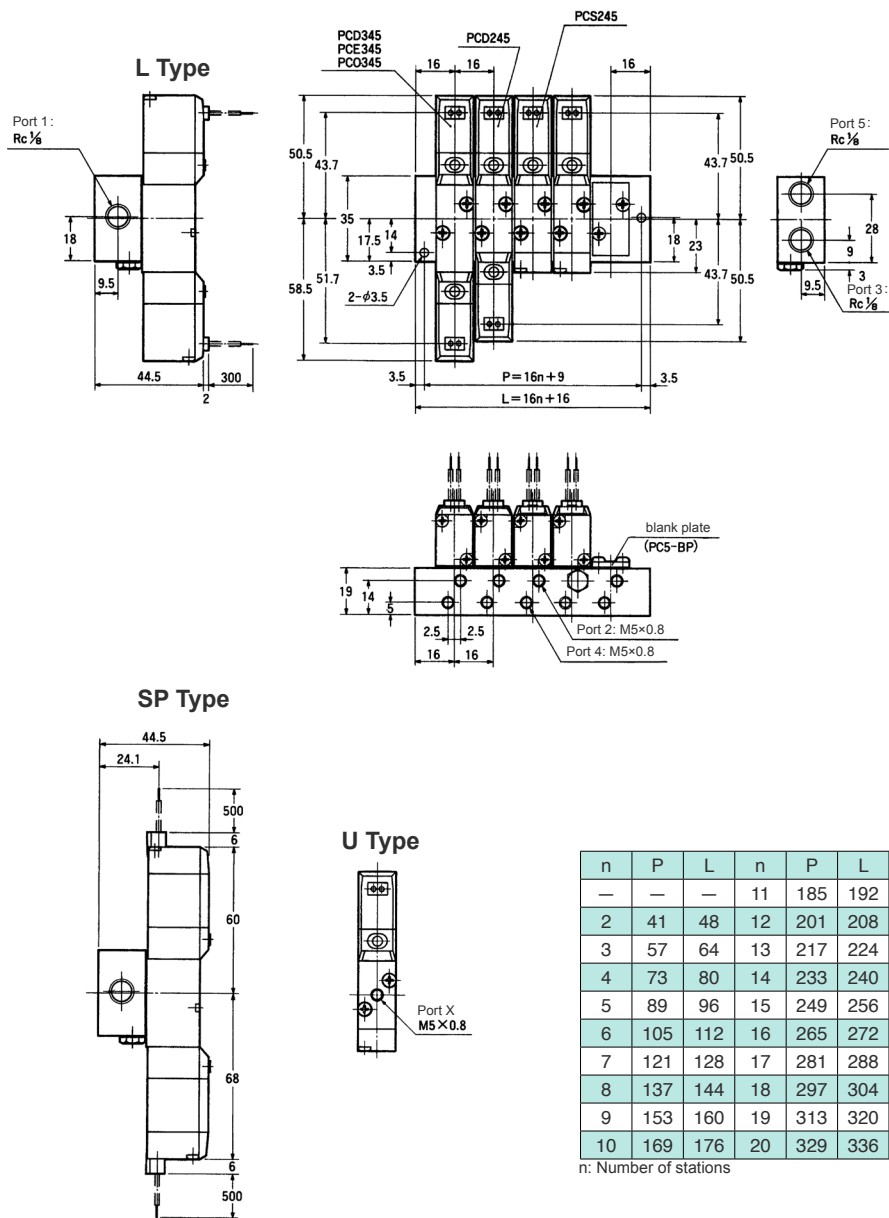


SP Type



MFS□-PD5-M5

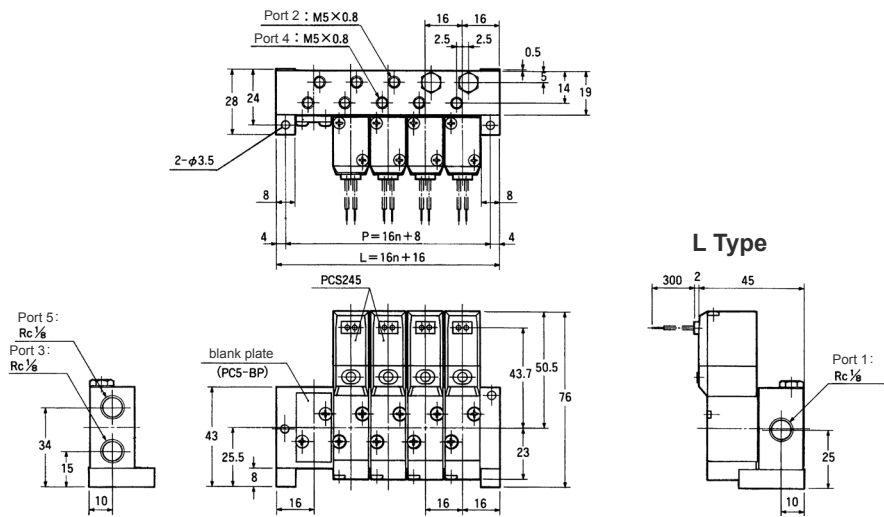
(Unit: mm)



MFS□-PD5-M5-B

(Unit: mm)

PC/RC5,13

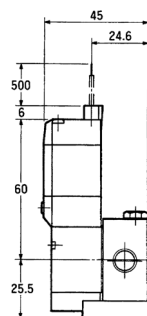
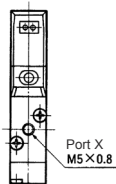


n	P	L	n	P	L
—	—	—	11	184	192
2	40	48	12	200	208
3	56	64	13	216	224
4	72	80	14	232	240
5	88	96	15	248	256
6	104	112	16	264	272
7	120	128	17	280	288
8	136	144	18	296	304
9	152	160	19	312	320
10	168	176	20	328	336

n: Number of stations

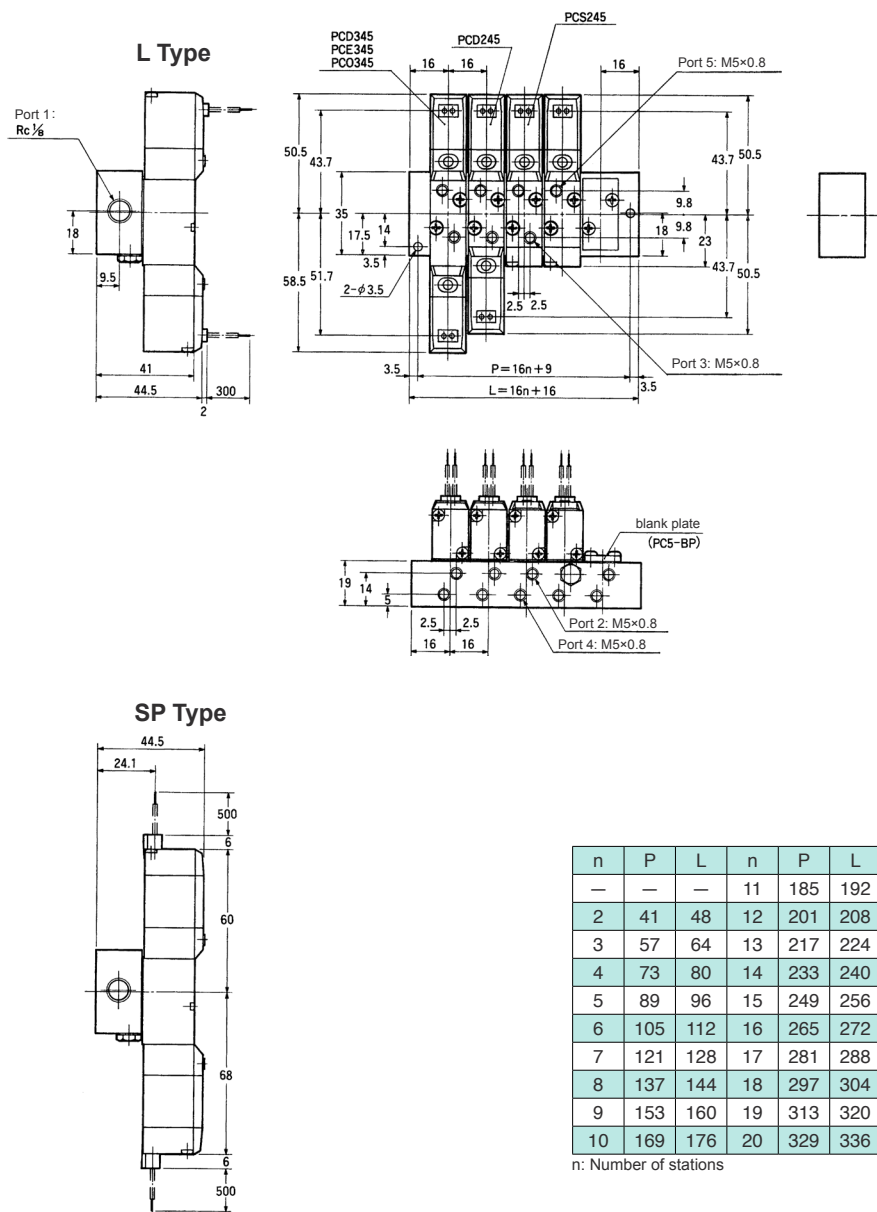
SP Type

U Type



MFS□-PI5-M5

(Unit: mm)



RC5 Series

Pilot Operated Solenoid Valve
Rubber Seal/In-line Mounting Type

RCS245

2-position, single solenoid

RCD245

2-position, double solenoid

RCD345

3-position, closed center

RCE345

3-position, ABR connect

RCO345

3-position, PAB connect

RCL245(Latch type)

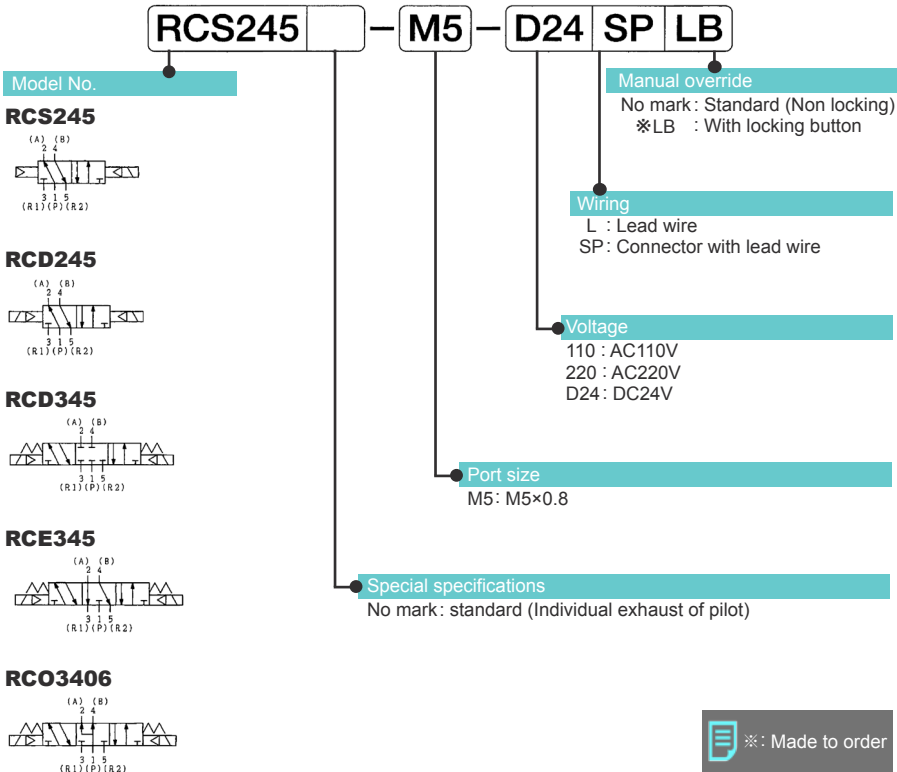
2-position, latching solenoid



Specifications(Standard)

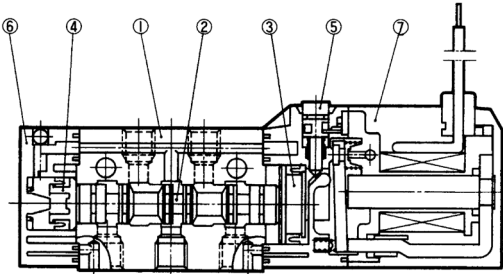
Model No.				Unit	PCS245	PCD245	PCD345	PCE345	PCO345			
Fluid					Non-lubricated/lubricated air							
Port size					M5							
Effective area				mm ²	4(0.22)		2.2(0.12)					
Operating ambient temperature				°C	-5 ~ 50							
Minimum operating pressure				MPa	0.15	0.1	0.15					
Pressure range				MPa	0.2 ~ 0.8							
Maximum frequency				cycle/min	AC:900 DC:1200(L type) 900(SP type)							
Response time	DC	L type	ON	s	0.016	0.012	0.012					
			OFF		0.020	—	0.022					
		SP type	ON		0.016	0.012	0.012					
			OFF		0.03	—	0.04					
	AC L SP	50Hz	ON		0.014	0.008	0.008					
			OFF		0.037	—	0.047					
		60Hz	ON		0.014	0.008	0.008					
			OFF		0.03	—	0.04					
		Rated voltage				V	AC/110,220 DC24					
		Permission voltage fluctuation				%	AC±10 DC+10, -15					
Rated frequency				Hz	50/60							
Power consumption	AC	Holding	50Hz	VA	2.5(110/220)							
			60Hz	VA	2.0(110/220)							
		Inlush	50Hz	VA	2.9(110/220)							
			60Hz	VA	2.5(110/220)							
Power consumption				W	1.8							
Grade of insulation					JIS grade B							
Wiring					Lead wire(L), connector with lead wire(SP)							
Mass		L type		g	62	94	103					
		SP type			62	94	103					

Note: Supply complete-dry air to avoid freezing when temperature of valve site falls below 5°C



Construction

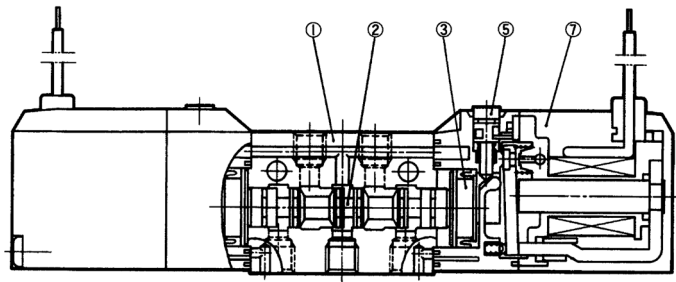
RCS245



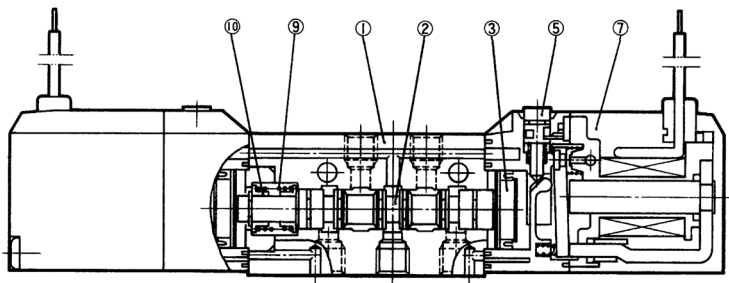
Main Components

No.	Description	Material
1	Body	Aluminium alloy
2	Spool assembly	—
3	Piston D	Synthetic resin
4	Piston S	Synthetic resin
5	Manual override	Synthetic resin
6	End cover	Synthetic resin
7	Pilot valve	—
8	Return spring S	Stainless steel
9	Return spring 3P	Stainless steel
10	Spring retainer	Synthetic resin

RCD245



RCD345,RCE345,RCO345



Optional Parts and Spare parts

Connector with lead wire

PC5 - D24 - CL5

Voltage

110 : AC110V
220 : AC220V
D24 : DC24V

Lead wire length

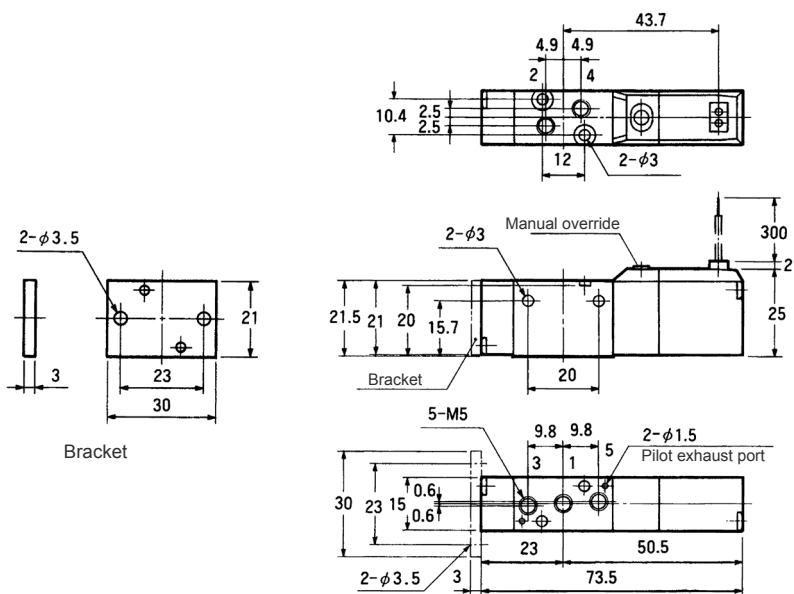
CL5 : 500mm (standard)
CL10 : 1000mm
CL20 : 2000mm
CL30 : 3000mm
CL50 : 5000mm

Bracket

Parts Name	Model No.
Bracket	PC5 - B

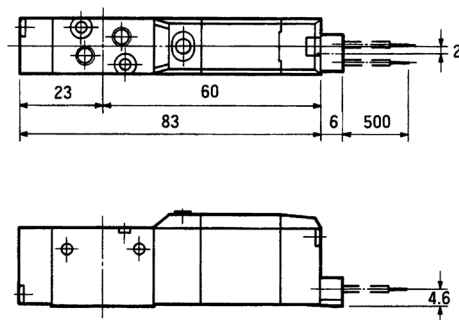
RCS245(L type)

(Unit: mm)



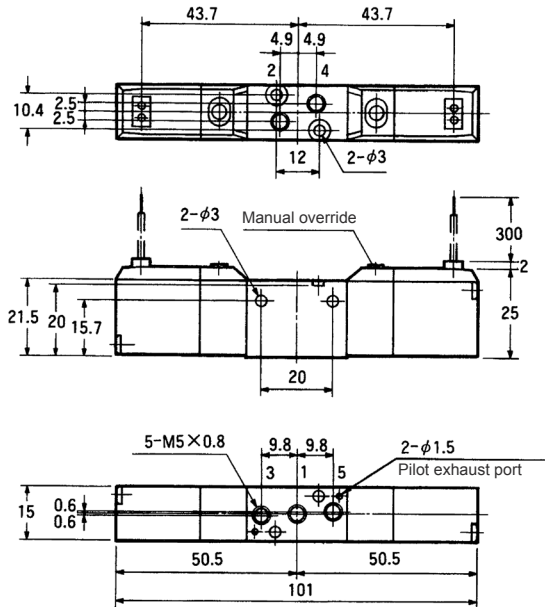
RCS245(SP type)

(Unit: mm)



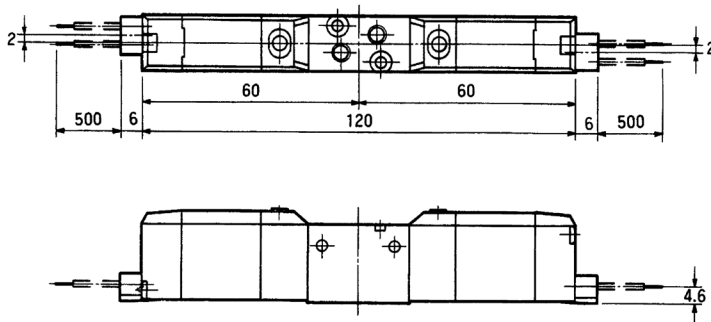
RCD245(L type)

(Unit: mm)



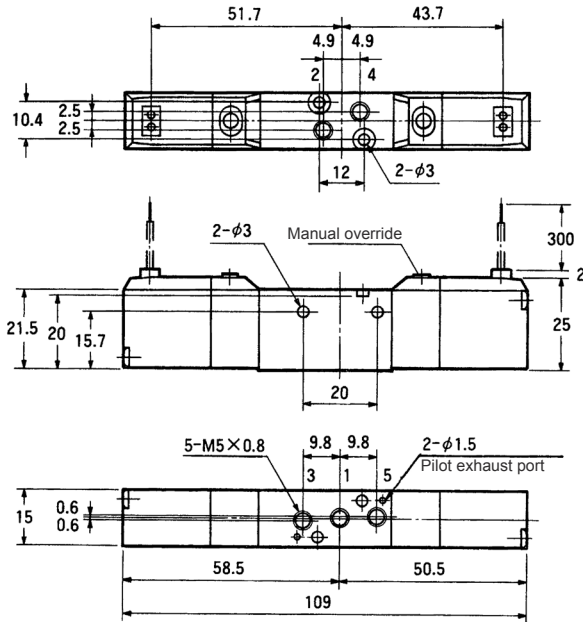
RCD245 (SP type)

(Unit: mm)



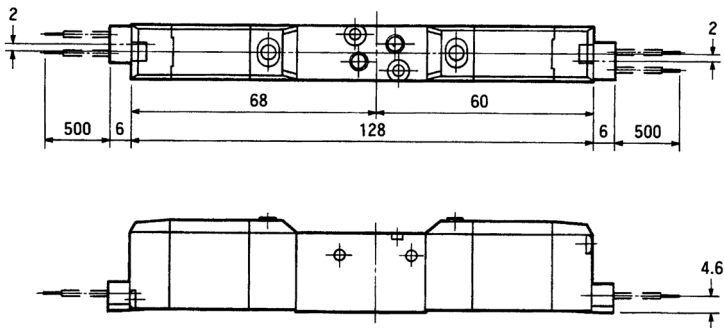
RCD345, RCE345, RCO345(L type)

(Unit: mm)



RCD345, RCE345, RCO345 (SP type)

(Unit: mm)



MF□-R□5 Series

Individual Wiring Type Manifold
Bar Type

MFU□-RC5

common SUP, common EXH,
port 1,3 & 5 on both sides

MFU□-RD5

Common SUP, common EXH,
port 1,3 & 5 on one side



PC/RC5_13

Manifold Specifications

Type of manifold		MFU□-RC5	MFU□-RD5
		common SUP, common EXH, port 1,3 & 5 on both sides	common SUP, common EXH, port 1,3 & 5 on one side
Port size	Port 1	Rc½(Both side)	Rc½(One side)
	Port 3, 5	Rc½(Both side)	Rc½(One side)
	Port 2, 4	M5	M5
	Port Y	—	—
	Port X	—	—
N: Number of stations		2~20	2~20
Mountable solenoid valve		RCS245-※-※-MF RCD245-※-※-MF RCD345-※-※-MF RCE345-※-※-MF RCO345-※-※-MF	
Blank plate		PC5-BP	

Optional Parts and Spare parts

Parts Name		Model No.
Blank plate	For individual exhaust of pilot	PC5-BP

Manifold



Type of manifold

MFU: Ported on the valve body,
port 2 & 4

Port size 2&4

M5: M5×0.8

N: Number of stations

2 : 2 stations
⋮
10 : 10 stations

Mountable solenoid valve series

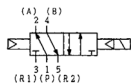
RC5: common SUP, common EXH, port 1,3 & 5 on both sides
RD5: common SUP, common EXH, port 1,3 & 5 on one side

Mountable solenoid valve

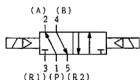


Model No.

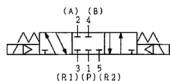
RCS245



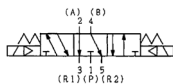
RCD245



RCD345



RCE345



RCO345



For mounting on manifold

MF: For mounting on manifold
Note: A gasket & two mounting
screws come with valve.

Manual override

No mark: Standard (Non locking)
※LB : With locking button

Wiring

L : Lead wire
SP: Connector with lead wire

Voltage

110: AC110V
220: AC220V
D24: DC24V

Port size

M5: M5×0.8

Special specifications

No mark : Standard (Individual exhaust of pilot)

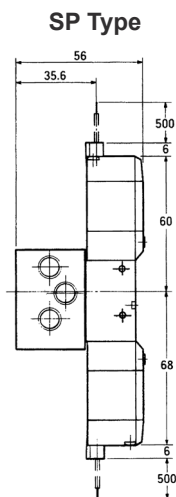
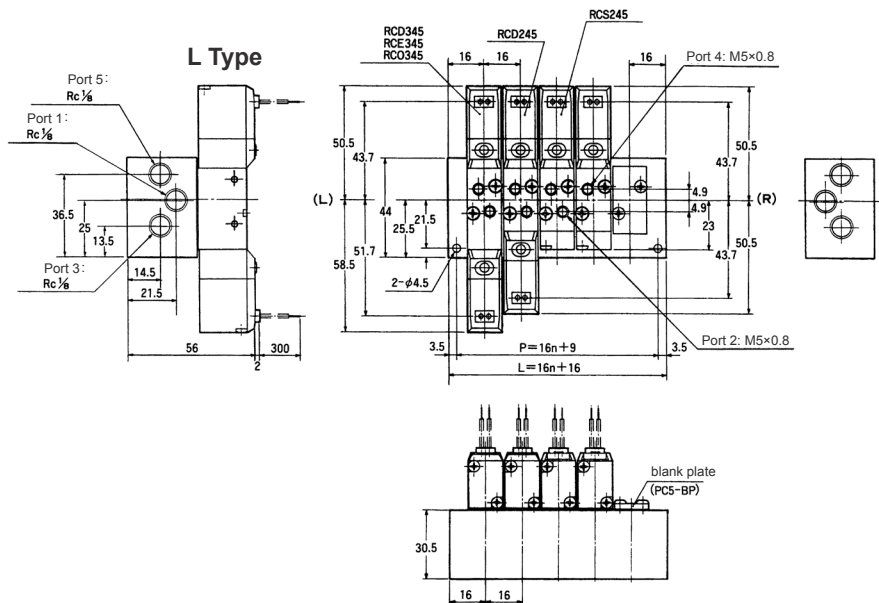


※: Made to order

MFU□-RC5-M5

(Unit: mm)

Note: Standard manifold is plugged on "R" (Right) side ports.



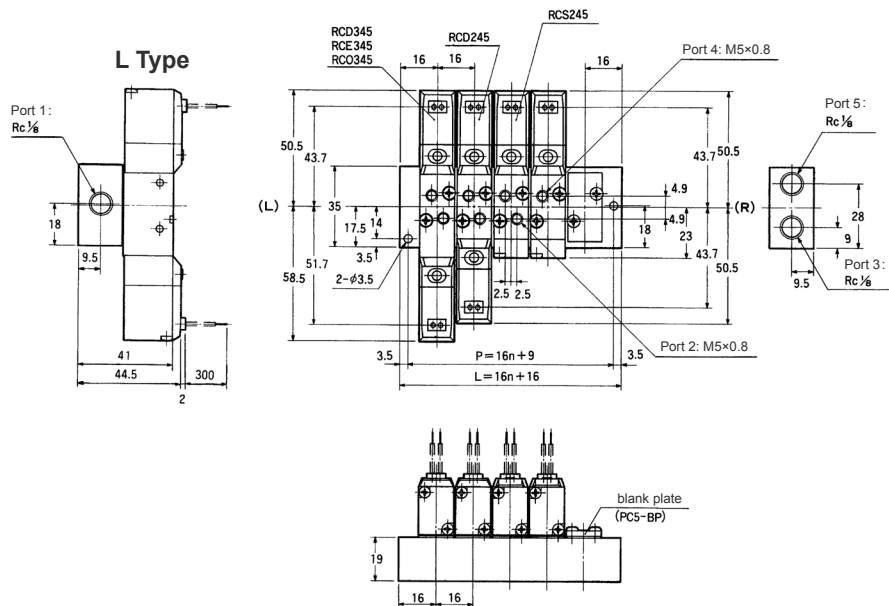
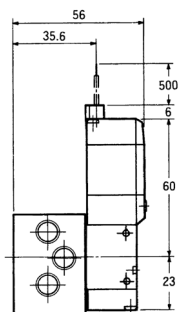
n	P	L	n	P	L
—	—	—	11	185	192
2	41	48	12	201	208
3	57	64	13	217	224
4	73	80	14	233	240
5	89	96	15	249	256
6	105	112	16	265	272
7	121	128	17	281	288
8	137	144	18	297	304
9	153	160	19	313	320
10	169	176	20	329	336

n: Number of stations

MFU□-RD5-M5

(Unit: mm)

Note: Standard manifold is plugged on "R" (Right) side ports.

**SP Type**

n	P	L	n	P	L
—	—	—	11	185	192
2	41	48	12	201	208
3	57	64	13	217	224
4	73	80	14	233	240
5	89	96	15	249	256
6	105	112	16	265	272
7	121	128	17	281	288
8	137	144	18	297	304
9	153	160	19	313	320
10	169	176	20	329	336

n: Number of stations

PC13 Series

Pilot Operated Solenoid Valve
Rubber Seal/Sub-base Mounting Type

PCS2413

2-position, single solenoid

PCD2413

2-position, double solenoid

PCD3413

3-position, closed center

PCE3413

3-position, ABR connect

PCO3413

3-position, PAB connect

PCL2413 (Latch type)

2-position, latching solenoid



Specifications (Standard)

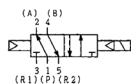
Model No.				Unit	PCS2413	PCD2413	PCD3413	PCE3413	PCO3413
Fluid					Non-lubricated/lubricated air				
Port size					RC¼				
Effective area				mm²	12(0.66)		7.5(0.41)		5(0.28)
Operating ambient temperature				°C	-5 ~ 50				
Minimum operating pressure				MPa	0.15	0.1	0.15		
Pressure range				MPa	0.2 ~ 0.8				
Maximum frequency				cycle/min	240				
Response time	DC	L type	ON	s	0.020	0.015	0.015		
			OFF		0.022	—	0.032		
		SP type	ON		0.020	0.015	0.015		
			OFF		0.037	—	0.047		
	AC L SP	50Hz	ON		0.020	0.015	0.015		
			OFF		0.022	—	0.032		
		60Hz	ON		0.020	0.015	0.015		
			OFF		0.022	—	0.032		
Rated voltage				V	AC/110,220 DC24				
Permission voltage fluctuation				%	AC±10 DC+10, -15				
Rated frequency				Hz	50/60				
Power consumption	AC	Holding	50Hz	VA	2.5(110/220)				
			60Hz	VA	2.0(110/220)				
		Inlush	50Hz	VA	2.9(110/220)				
			60Hz	VA	2.5(110/220)				
Power consumption DC				W	1.8				
Grade of insulation					JIS grade B				
Wiring					Lead wire (L),Connector with lead wire (SP)				
Mass	L type	NB	g	95	127	144			
				179	211	228			
	SP type	NB		95	127	144			
				179	211	228			

Note: Supply complete-dry air to avoid freezing when temperature of valve site falls below 5°C

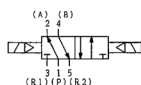
PCS2413 - 02 - D24 SP LB

Model No.

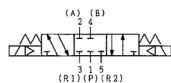
PCS2413



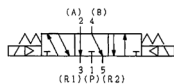
PCD2413



PCD3413



PCE3413



PCO3413



Manual override

No mark: Standard (Non locking)
※LB : With locking button

Wiring

L : Lead wire
SP : Connector with lead wire

Voltage

110 : AC110V
220 : AC220V
D24 : DC24V

Port size

02 : RC¼
NB : Without sub-base



※: Made to order

Optional Parts and Spare parts

Connector with lead wire

PC5 - D24 - CL5

Voltage

110: AC110V
220: AC220V
D24: DC24V

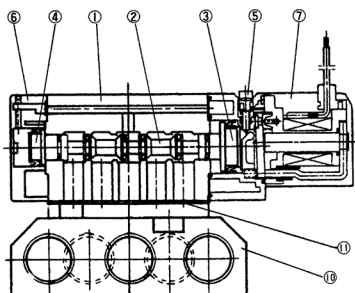
Lead wire length

CL5 : 500mm (standard)
CL10 : 1000mm
CL20 : 2000mm
CL30 : 3000mm
CL50 : 5000mm

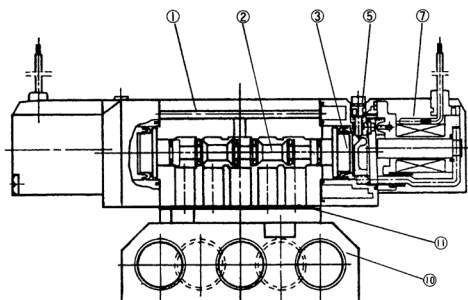
Sub-base

Parts Name	Model No.
Sub-base	PC13-SB-502

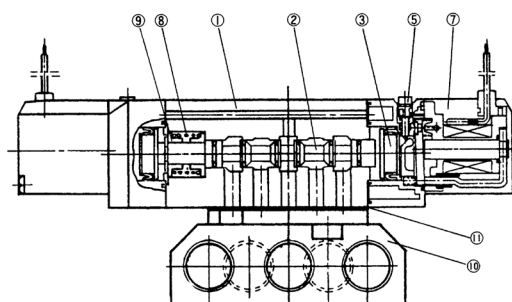
PCS2413



PCD2413



PCD3413, PCE3413, PCO3413

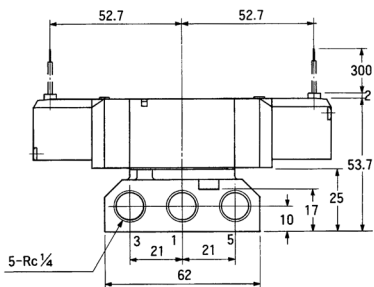
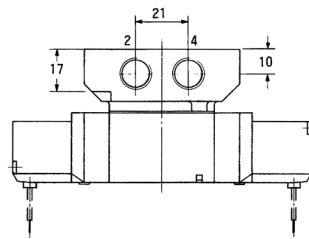
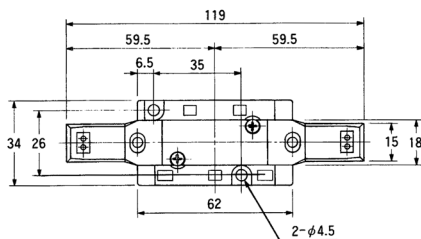


Main Components

No.	Description	Material
1	Body	Aluminium alloy
2	Spool assembly	—
3	Piston D	Synthetic resin
4	Piston S	Synthetic resin
5	Manual override	Synthetic resin
6	End cover	Synthetic resin
7	Pilot valve	—
8	Return spring 3P	Stainless steel
9	Spring retainer	Synthetic resin
10	Sub-base	Aluminium die-casting
11	Base gasket	NBR

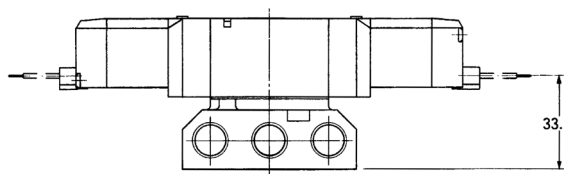
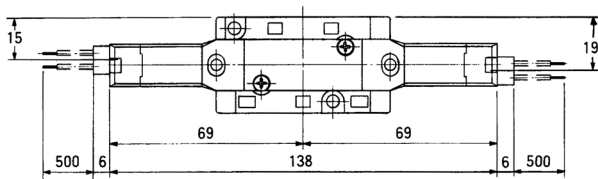
PCD2413(L type)

(Unit: mm)



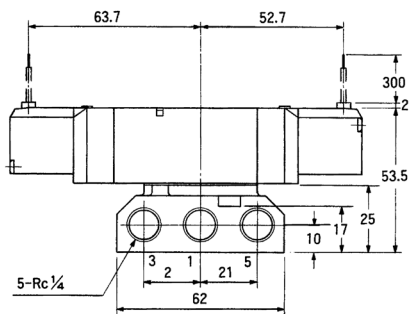
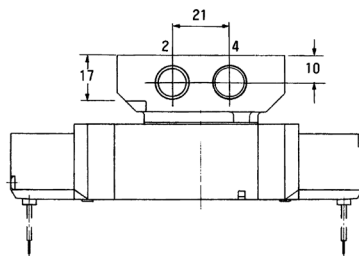
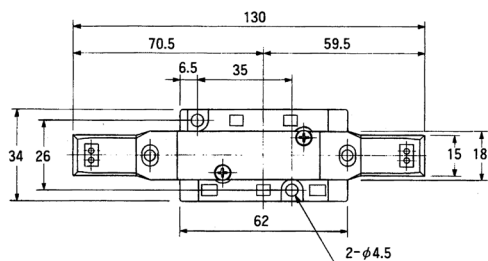
PCD2413(SP type)

(Unit: mm)



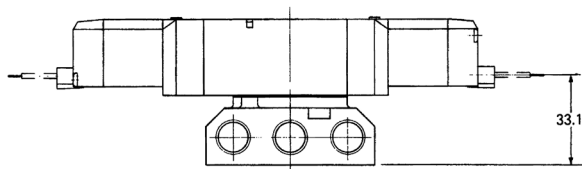
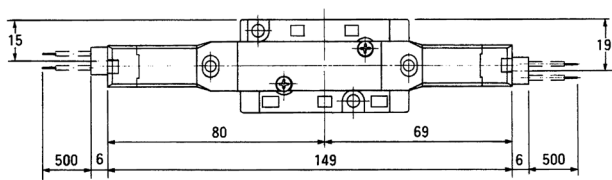
PCD3413, PCE3413, PCO3413 (L type)

(Unit: mm)



PCD3413, PCE3413, PCO3413 (SP type)

(Unit: mm)



MFS□-P13

Individual Wiring Type Manifold
Bar Type

MFS□-PS13
common SUP, Captured EXH,
port 1,3 &5 on both sides



PC/RC5,13

Manifold Specifications

		MFS□-PS13
Type of manifold		Common SUP, captured EXH, port 1,3 & 5 on both sides
Port size	Port 1	Rc¼(Both side)
	Port 3, 5	Rc¼(Both side)
	Port 2, 4	Rc¼
N: Number of stations		2~10
Mountable solenoid valve		PCS2413※-NB PCD2413※-NB PCD3413※-NB PCE3413※-NB PCO3413※-NB
Blank plate		PC13-BP

Optional Parts and Spare parts

Part name	Model No.
Blank plate	PC13-BP

Manifold

MFS **2** — **PS13** — **02**

Type of manifold

MFS: Body ported,
port 2 & 4 on the side

Port size 2&4

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

N: Number of stations

2 : 2 stations
:
:
10 : 10 stations

Mountable solenoid valve series

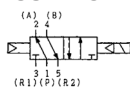
PS13: common SUP, captured EXH, port 1,3 & 5 on both sides

Mountable solenoid valve

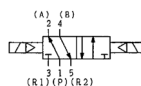
PCS2413 — **NB** — **D24** **SP** **LB**

Model No.

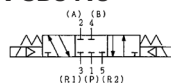
PCS2413



PCD2413



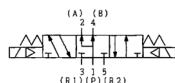
PCD3413



PCE3413



PCO3413



Manual override

No mark: Standard
(Non locking)

※LB : With locking button

Wiring

L : Lead wire

SP: Connector with lead wire

Voltage

110: AC110V

220: AC220V

D24: DC24V

Port size

NB: Without sub-base

Note: A gasket & two mounting screws come with valve.

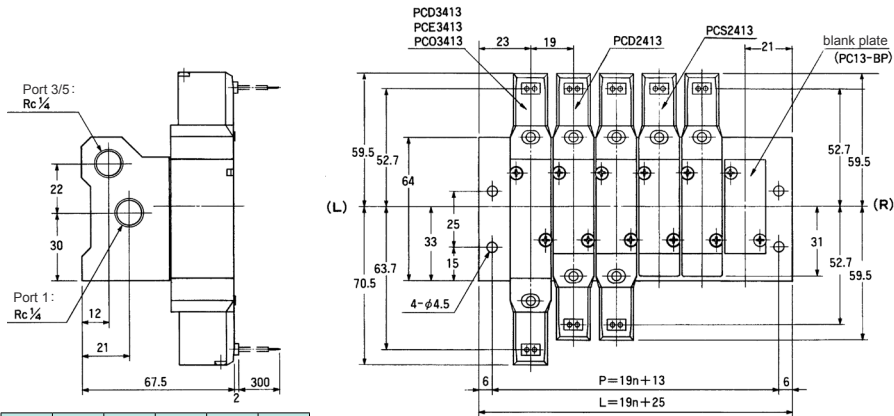


※: Made to order

MFS□-PS13-02(L type)

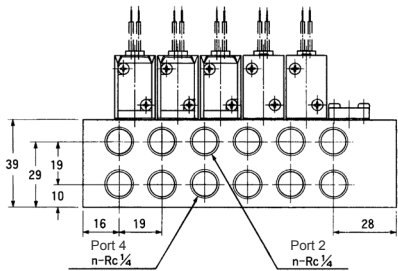
(Unit: mm)

Note: Standard manifold is plugged on "R" (Right) side ports.



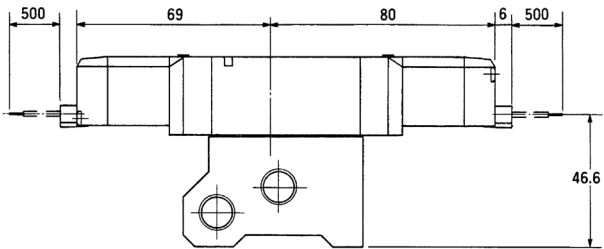
n	P	L	n	P	L
—	—	—	11	222	234
2	51	63	12	241	253
3	70	82	13	260	272
4	89	101	14	279	291
5	108	120	15	298	310
6	127	139	16	317	329
7	146	158	17	336	348
8	165	177	18	355	367
9	184	196	19	374	386
10	203	215	20	393	405

n: Number of stations



MFS□-PS13-02(SP type)

(Unit: mm)



RC13 Series

Pilot Operated Solenoid Valve
Rubber Seal/In-line Mounting Type

RCS2413

2-position, single solenoid

RCD2413

2-position, double solenoid

RCD3413

3-position, closed center

RCE3413

3-position, ABR connect

RCO3413

3-position, PAB connect

RCL2413 (Latch type)

2-position, latching solenoid



Specifications (Standard)

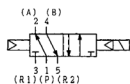
Model No.				Unit	RCS2413	RCD2413	RCD3413	RCE3413	RCO3413			
Fluid					Non-lubricated/lubricated air							
Port size					RC%							
Effective area				mm ²	12.5(0.69)		8(0.44)		5(0.28)			
Operating ambient temperature				°C	-5 ~ 50							
Minimum operating pressure				MPa	0.15	0.1	0.15					
Pressure range				MPa	0.2 ~ 0.8							
Maximum frequency				cycle/min	240							
Response time	DC	L type	ON	s	0.020	0.015	0.015					
			OFF		0.022	—	0.032					
		SP type	ON		0.020	0.015	0.015					
			OFF		0.037	—	0.047					
	AC L SP	50Hz	ON		0.020	0.015	0.015					
			OFF		0.022	—	0.032					
		60Hz	ON		0.020	0.015	0.015					
			OFF		0.022	—	0.032					
			Rated voltage				V	AC/110,220 DC24				
			Permission voltage fluctuation				%	AC±10 DC+10, -15				
Rated frequency				Hz	50/60							
Power consumption	AC	Holding	50Hz	VA	2.5(110/220)							
			60Hz	VA	2.0(110/220)							
		Inlush	50Hz	VA	2.9(110/220)							
			60Hz	VA	2.5(110/220)							
Power consumption DC				W	1.8							
Grade of insulation					JIS grade B							
Wiring					Lead wire(L),Connector with lead wire(SP)							
Mass		L type		g	90	122	137					
		SP type			90	122	137					

Note: Supply complete-dry air to avoid freezing when temperature of valve site falls below 5°C

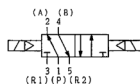
RCS2413 - 01 - D24 SP LB

Model No.

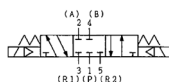
RCS2413



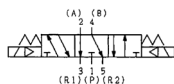
RCD2413



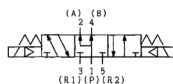
RCD3413



RCE3413



RCO3413



Manual override

No mark : Standard
(Non locking)
※LB : With locking button

Wiring

L : Lead wire
SP : Connector with lead wire

Voltage

110 : AC110V
220 : AC220V
D24 : DC24V

Port size

01: RC½



※: Made to order

Optional Parts and Spare parts

Connector with lead wire

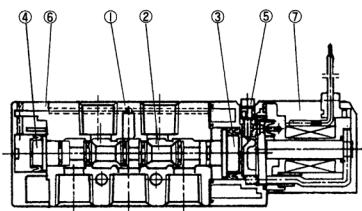
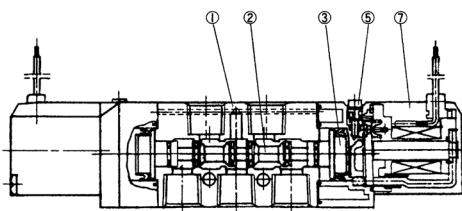
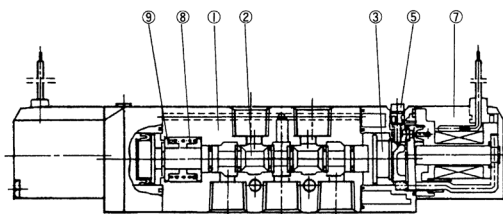
PC5 - D24 - CL5

Voltage

110 : AC110V
220 : AC220V
D24 : DC24V

Lead wire length

CL5 : 500mm(standard)
CL10 : 1000mm
CL20 : 2000mm
CL30 : 3000mm
CL50 : 5000mm

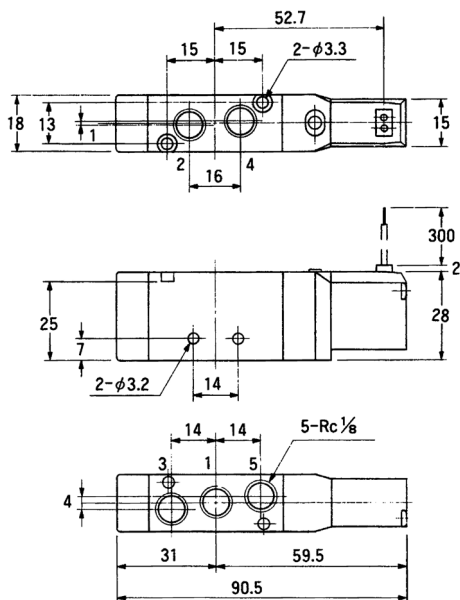
RCS2413**RCD2413****RCD3413, RCE3413, RCO3413**

Main Components

No.	Description	Material
1	Body	Aluminium alloy
2	Spool assembly	—
3	Piston D	Synthetic resin
4	Piston S	Synthetic resin
5	Manual override	Synthetic resin
6	End cover	Synthetic resin
7	Pilot valve	—
8	Return spring 3P	Stainless steel
9	String retainer	Synthetic resin

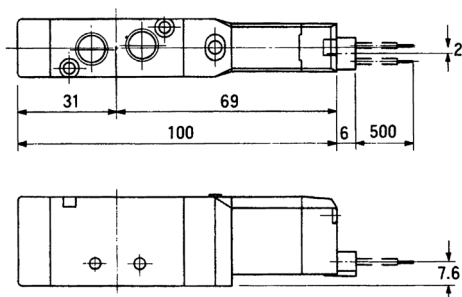
RCS2413(L type)

(Unit: mm)



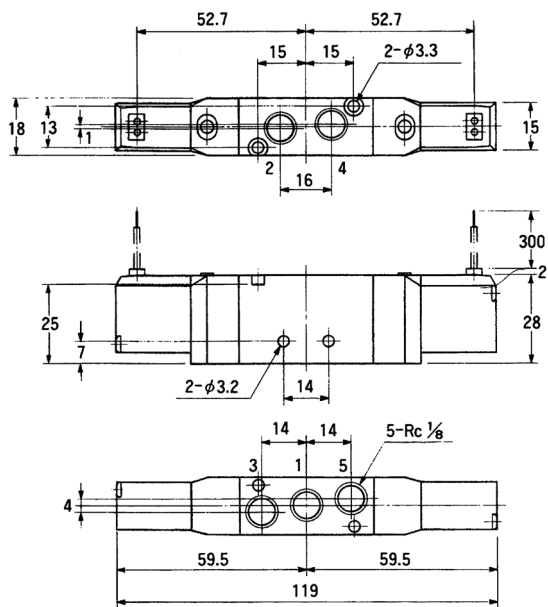
RCS2413(SP type)

(Unit: mm)



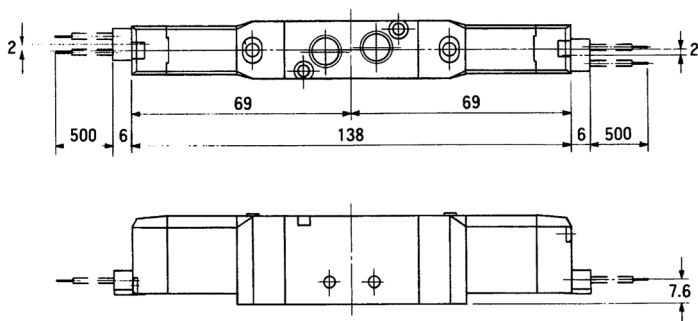
RCD2413(L type)

(Unit: mm)



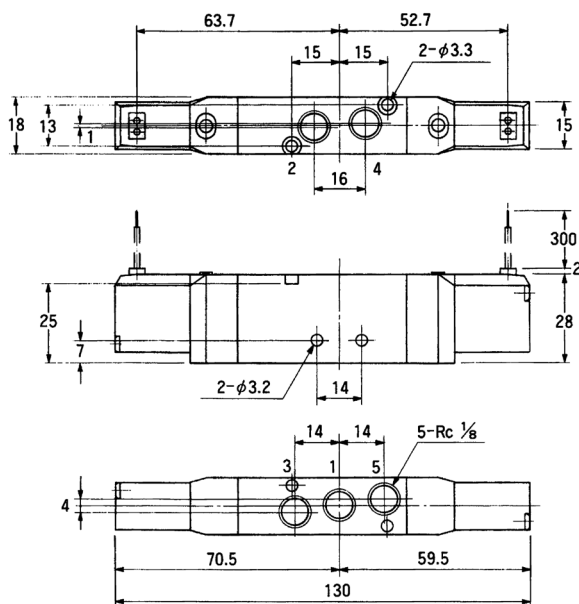
RCD2413(SP type)

(Unit: mm)



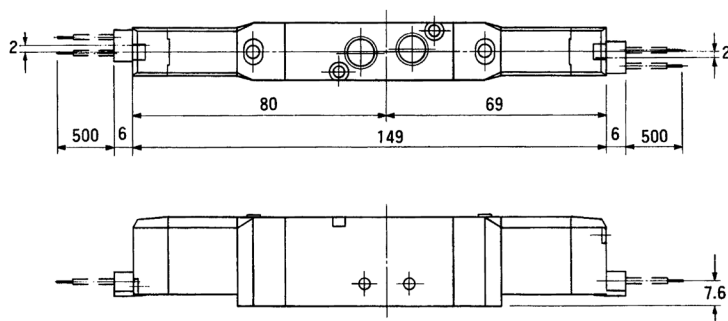
RCD3413, RCE3413, RCO3413 (L type)

(Unit: mm)



RCD3413, RCE3413, RCO3413 (SP type)

(Unit: mm)



MFU□-R13 Series

Individual Wiring Type Manifold
Bar Type

MFU□-RC13

Common SUP, common EXH,
port 1, 3 & 5 on both sides



Manifold Specifications

		MFU□-RC13
Type of manifold		Common SUP, common EXH, port 1, 3 & 5 on both sides
Port size	Port 1	Rc¼(Both side)
	Port 3, 5	Rc¼(Both side)
	Port 2, 4	Rc⅝(Valve body ported)
N: Number of stations		2 ~ 10
Mountable solenoid valve		RCS2413※-01-※-MF RCD2413※-01-※-MF RCD3413※-01-※-MF RCE3413※-01-※-MF RCO3413※-01-※-MF
Blank plate		RC13-BP

Optional Parts and Spare parts

Part name	Model No.
Blank plate	RC13-BP

Manifold



Type of manifold

MFU: Valve body ported,
port 2 & 4

Port size 2&4

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

Mountable solenoid valve series

RC13: Common SUP, common EXH,
port 1, 3 & 5 on both sides

N: Number of stations

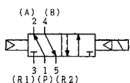
2 : 2 stations
:
:
10 : 10 stations

Mountable solenoid valve

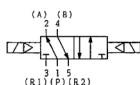


Model No.

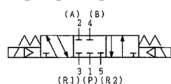
RCS2413



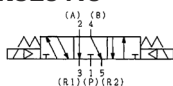
RCD2413



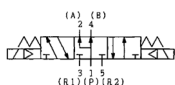
RCD3413



RCE3413



RCO3413



For mounting on manifold

MF: For mounting on manifold
Note: A gasket & two mounting
screws come with valve.

Manual override

No mark: Standard (Non locking)
※LB : With locking button

Wiring

L : Lead wire
SP: Connector with lead wire

Voltage

110: AC110V
220: AC220V
D24: DC24V

Port size

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

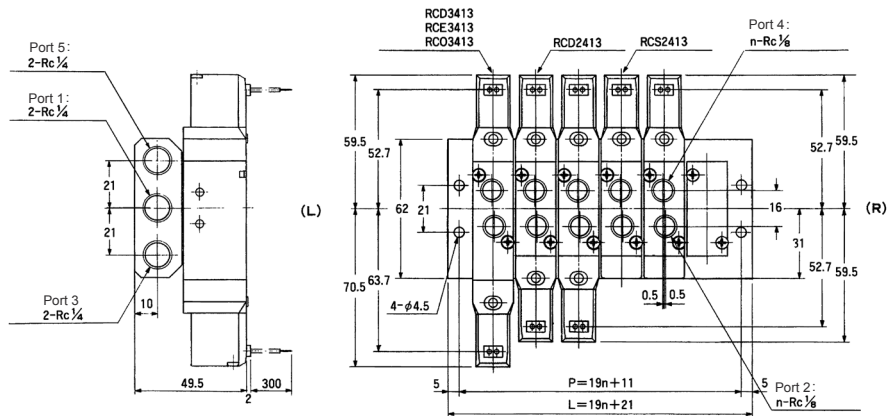


※: Made to order

MFU□-RC13-01 (L type)

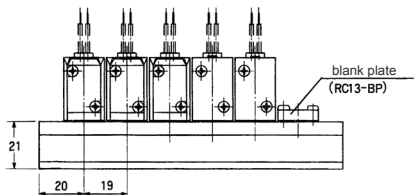
(Unit: mm)

Note: Standard manifold is plugged on "R" (Right) side ports.



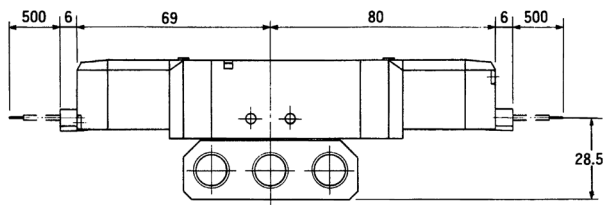
n	P	L	n	P	L
—	—	—	11	220	230
2	49	59	12	239	249
3	68	78	13	258	268
4	87	97	14	277	287
5	106	116	15	296	306
6	125	135	16	315	325
7	144	154	17	334	344
8	163	173	18	353	363
9	182	192	19	372	382
10	201	211	20	391	401

n: Number of stations



MFU□-RC13-01 (SP type)

(Unit: mm)



PCL5, RCL5 Series

Port Pilot Operated Latching Solenoid
Valve Rubber Seal/Sub-base, In-line
Mounting Type

PCL245

2-position, Latching solenoid

RCL245

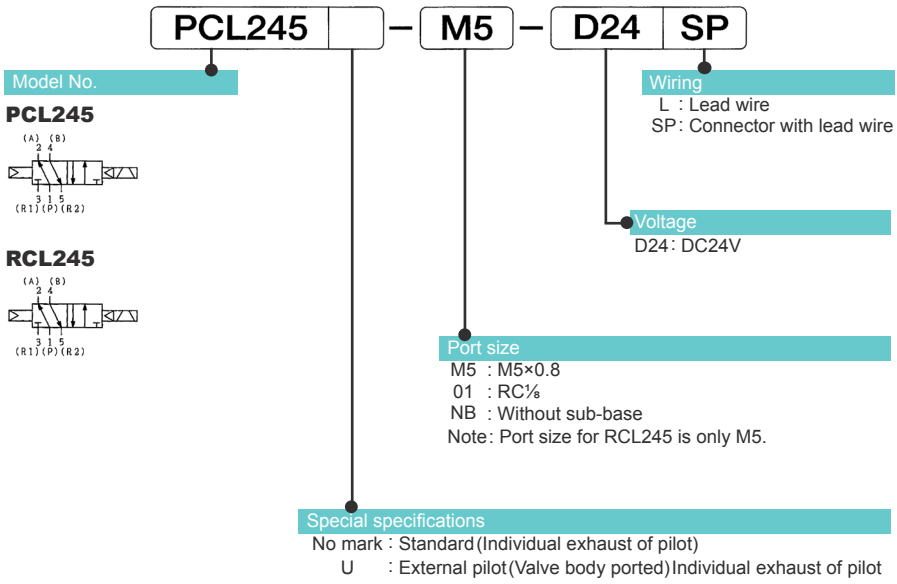
2-position, Latching solenoid



Specifications(Standard)

Model No.			Unit	PCL245	RCL245
Fluid				Non-lubricated/lubricated air	
Port size				M5, RC%	M5
Effective area			mm ²	3.5(0.19): M5 3.8(0.21):RC%	3.7(0.20)
Operating ambient temperature			°C	-5 ~ 50	
Minimum operating pressure			MPa	0.15	
Pressure range			MPa	0.2 ~ 0.7	
Maximum frequency			cycle/min	600	
Response time	L type	ON	s	0.02	
		OFF		0.02	
	SP type	ON		0.02	
		OFF		0.02	
Min.energizing time			s	0.05	
Rated voltage			V	DC24	
Permission voltage fluctuation			%	+10, -15	
Power consumption			W	1.8	
Grade of insulation				JIS grade B	
Wiring				Lead wire(L),Connector with lead wire(SP)	
Mass	L&SP type	NB	g	62	—
		M5		106	62
		RC%		118	—

Note: Supply complete-dry air to avoid freezing when temperature of valve site falls below 5°C



Optional Parts and Spare parts

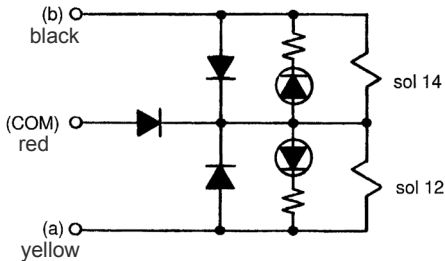
Sub-base

The Sub-base is also used for PC5.

Connector with lead wire

Parts Name	Length	Model No.
Connector with lead wire	500	PCL5-D24-CL5 (Standard)

Electrical Connection of Solenoid



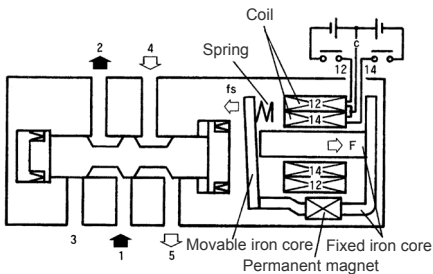
When power is applied onto +COM (red) and —sol 14 (black), Port 4 will open.

When power is applied onto +COM (red) and —sol 12 (yellow), Port 2 will open.

Operating Principle

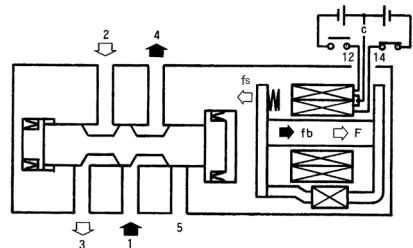
① sol 12 OFF (sol 12, sol 14 OFF)

The movable iron core keeps its position because the spring force (f_s) is stronger than the permanent magnetic force (F).



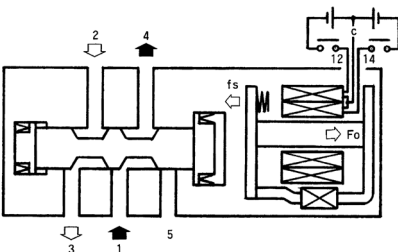
② sol 14 ON

The movable iron core will be attracted when the sum of the permanent magnetic force and power-supplied attractive force (f_b) of sol 14 is greater than the movable iron core spring force (f_s).



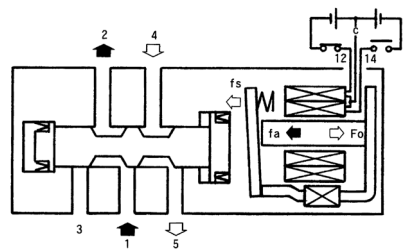
③ sol 14 OFF

The movable iron core will be attracted to the fixed iron core when the power supplied to sol 14 is off as the workholding force (F_o) of the permanent magnet is greater than the movable iron core spring force (f_s).

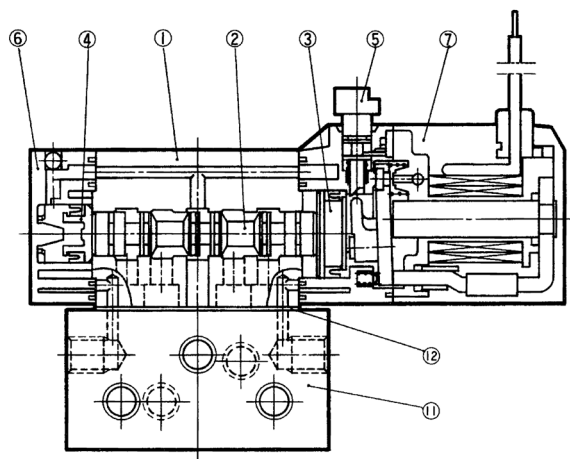


④ sol 12 ON

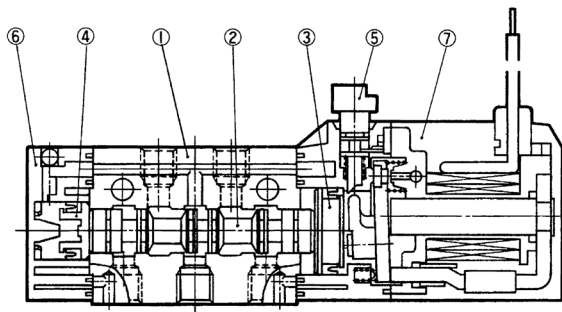
When the power is on, the workholding force of the permanent magnet will be offset by the attractive force (f_a) of sol 12. The movable iron will thus return to its original position.



PCL245



RCL245

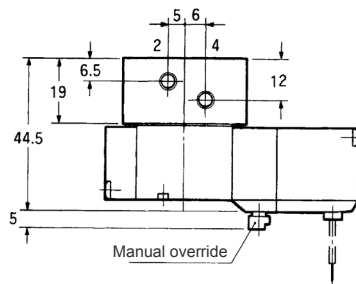
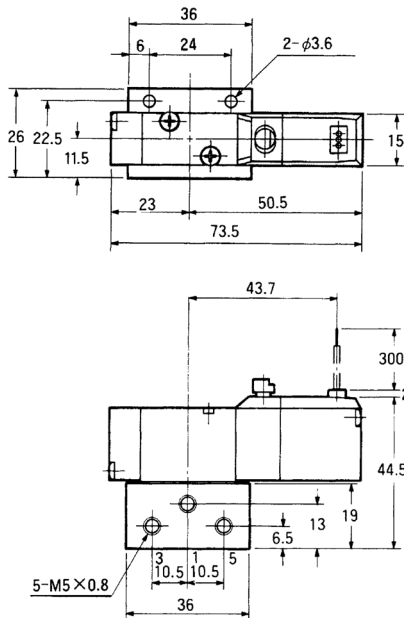


Main Components

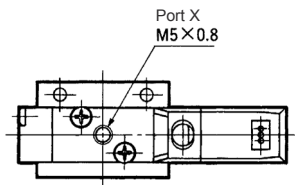
No.	Description	Material
1	Body	Aluminium alloy
2	Spool assembly	—
3	Piston D	Synthetic resin
4	Piston S	Synthetic resin
5	Manual override	Synthetic resin
6	End cover	Synthetic resin
7	Pilot valve	—
11	Sub-base	Aluminium die-casting
12	Base gasket	NBR

PCL245-M5(L type)

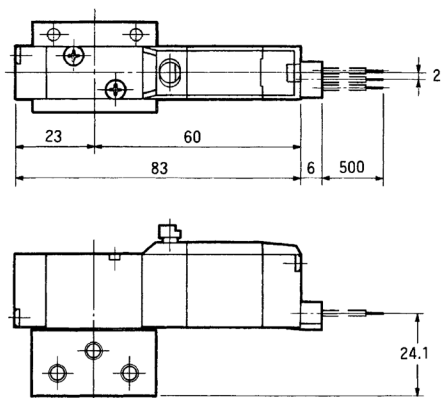
(Unit: mm)



PCL245-M5(U type)

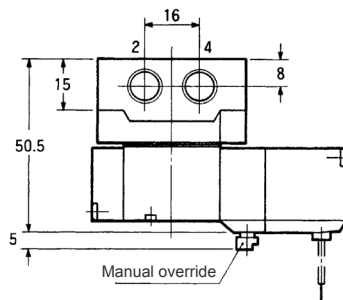
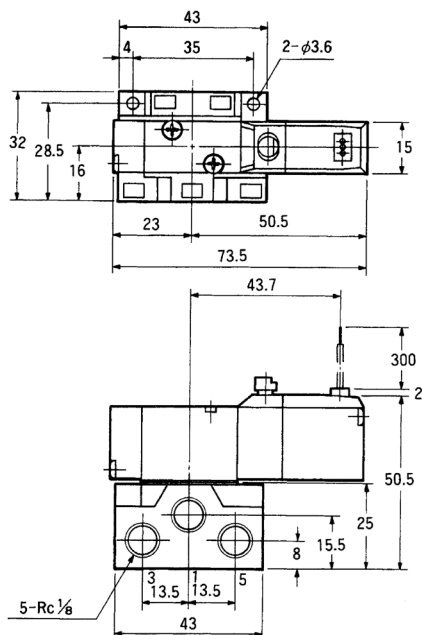


PCL245-M5(SP type)



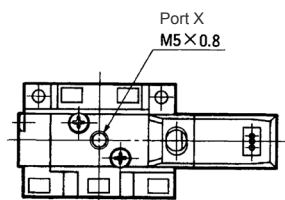
PCL245-01 (L type)

(Unit: mm)



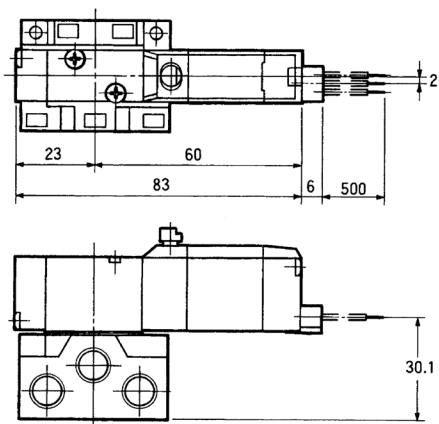
PCL245-01 (U type)

(Unit: mm)



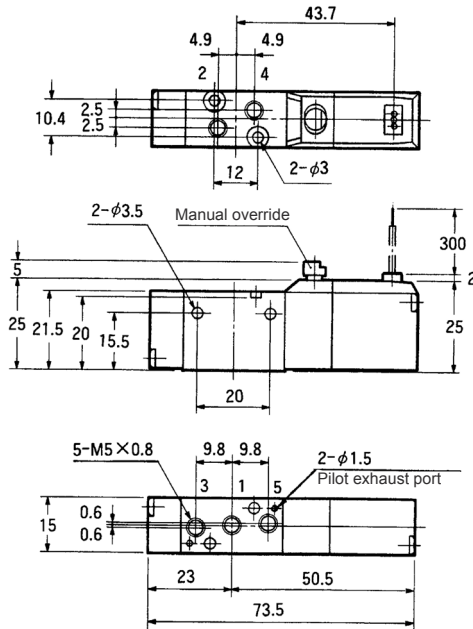
PCL245-01 (SP type)

(Unit: mm)



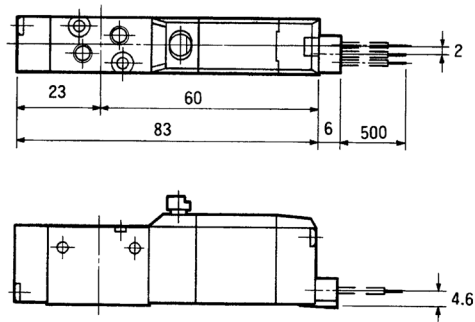
RCL245-M5(L type)

(Unit: mm)



RCL245-M5(SP type)

(Unit: mm)



MFS□-P□5

Individual Wiring Type Manifold
Bar Type

- MFS□-PC5**
Common SUP, common EXH,
port 1,3 & 5 on both sides
- MFS□-PD5**
Common SUP, common EXH,
port 1,3 & 5 on one side
- MFS□-PI5**
Common SUP, individual EXH,
port 1 on one side



Manifold Specifications

		MFS□-PC5	MFS□-PD5	MFS□-PI5
Type of manifold		Common SUP, common EXH, port 1,3 & 5 on both sides	Common SUP, common EXH, port 1,3 & 5 on one side	Common SUP, individual EXH, port 1 on one side
Port size	Port 1	Rc½(Both side)	Rc½(One side)	Rc½(One side)
	Port 3, 5	Rc½(Both side)	Rc½(One side)	Rc½(Valve body ported)
	Port 2, 4	Rc½	M5	M5
	Port Y	—	—	—
N: Number of stations		2~20	2~20	2~20
Mountable solenoid valve		PCL245※-NB-D24※ PCS245※-NB-※-※ PCD245※-NB-※-※ PCD345※-NB-※-※ PCE345※-NB-※-※ PCO345※-NB-※-※		PCL245※-R5-D24※ PCS245※-R5-※-※ PCD245※-R5-※-※ PCD345※-R5-※-※ PCE345※-R5-※-※ PCO345※-R5-※-※
Blank plate		PC5-BP		RC13-BP

Manifold



Type of manifold

MFS: Body side ported
port 2 & 4

Number of stations

2 : 2 stations
: :
10 : 10 stations

Port size 2&4

M5 : M5×0.8
01 : RC1/8

Option

No mark : Standard
B : With bracket

Mountable solenoid valve series

PC5: Common SUP, common EXH, port 1,3 & 5 on both sides

PD5: Common SUP, common EXH, port 1,3 & 5 on one side

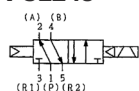
PI5: Common SUP, individual EXH, port 1 on one side

Mountable solenoid valve



Model No.

PCL245



Wiring

L : Lead wire
SP : Connector with lead wire

Voltage

110: AC110V
220: AC220V
D24: DC24V

Port size

NB: Without sub-base

R5: Port 3 & 5, body ported (M5)

Note: A gasket & two mounting screws come with valve.

Special specifications

No mark : Standard (Individual exhaust of pilot)

U : External pilot (Valve body ported) Individual exhaust of pilot

Dimensions

For dimensions, refer to the following pages.

MFS□-PD5-M5 → B24

MFS□-PD5-M5-B → B25

MFS□-PC5-01 → B22

MFS□-PC5-01-B → B23

MFS□-PI5-M5 → B26

The manifolds are the same with those shown on the left.

The configuration of solenoid valve PCL245 and PCS245 are the same, but the manual override are different.

MFU□-R□5

Individual Wiring Type Manifold
Bar Type

MFU□-RC5
 Common SUP, common EXH,
 port 1,3 & 5 on both sides

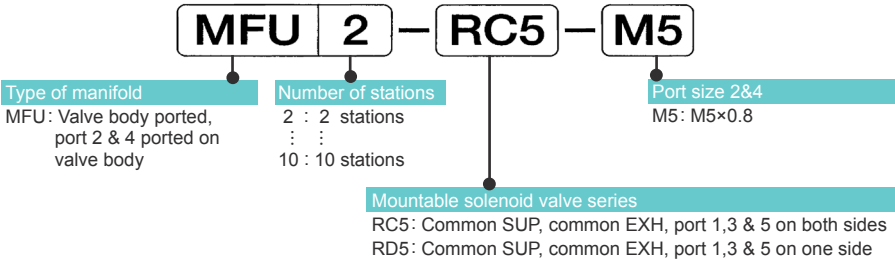
MFU□-RD5
 Common SUP, common EXH,
 port 1,3 & 5 on one side



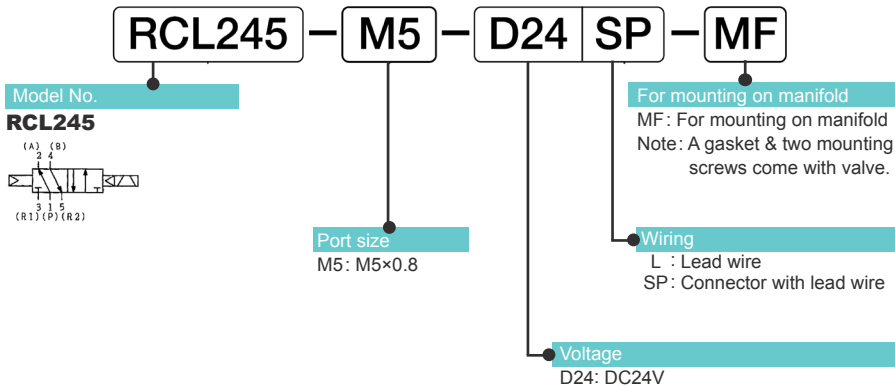
Manifold Specifications

		MFU□-RC5	MFU□-RD5
Type of manifold		Common SUP, common EXH, port 1,3 & 5 on both sides	Common SUP, common EXH, port 1,3 & 5 on one side
Port size	Port 1	Rc½(Both side)	Rc½(One side)
	Port 3, 5	Rc½(Both side)	Rc½(One side)
	Port 2, 4	M5	M5
	Port Y	—	—
N: Number of stations		2 ~ 20	2 ~ 20
Mountable solenoid valve		RCL245※-※-※-MF RCS245※-※-※-MF RCD245※-※-※-MF RCD345※-※-※-MF RCE345※-※-※-MF RCO345※-※-※-MF	
Blank plate		PC5-BP	

Manifold



Mountable solenoid valve



Dimensions

For dimensions, refer to the following pages.

MFU□-RC5-M5 → B35

MFU□-RD5-M5 → B36

The manifolds are the same with those shown on the left.

The configuration of solenoid valve RCL245 and RCS245 are the same, but the manual override are different.

PCL13, RCL13 Series

Port Pilot Operated Latching Solenoid Valve
Rubber Seal/Sub-base, In-line Mounting Type

PCL2413

2-position, Latching solenoid

RCL2413

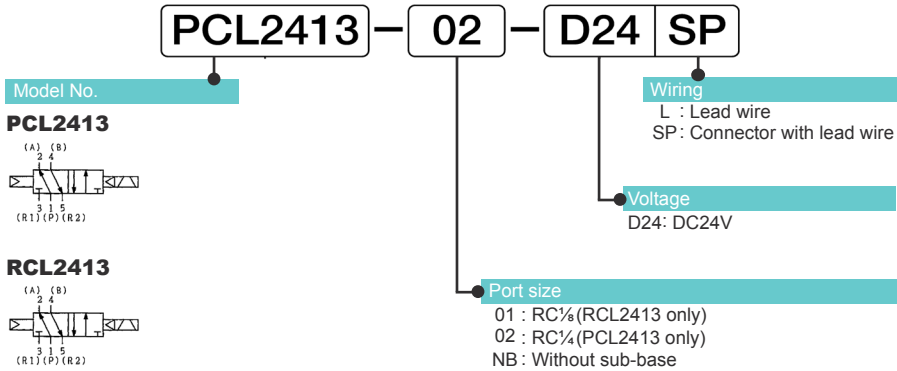
2-position, Latching solenoid



Specifications (Standard)

Model No.			Unit	PCL2413	RCL2413
Fluid				Non-lubricated/lubricated air	
Port size				RC¼	RC⅝
Effective area			mm²	12(0.66)	12.5(0.69)
Operating ambient temperature			℃	-5 ~ 50	
Minimum operating pressure			MPa	0.15	
Pressure range			MPa	0.2 ~ 0.7	
Maximum frequency			cycle/min	240	
Response time	L type	ON	s	0.025	
		OFF		0.025	
	SP type	ON		0.025	
		OFF		0.025	
Min.energizing time			s	0.05	
Rated voltage			V	DC24	
Permission voltage fluctuation			%	+10, -15	
Power consumption			W	1.8	
Grade of insulation				JIS grade B	
Wiring				Lead wire (L),Connector with lead wire (SP)	
Mass	L&SP type	NB	g	95	—
		RC⅝		—	90
		RC¼		179	—

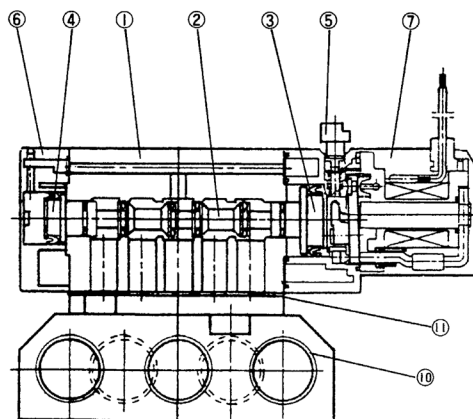
Note: Supply complete-dry air to avoid freezing when temperature of valve site falls below 5°C



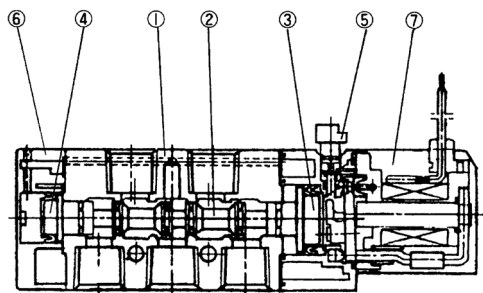
Optional Parts and Spare parts

Parts Name	Model No.
Sub-base	PC13-SB-502
Connector with lead wire (Length 500)	PCL5-D24-CL5 (Standard)

PCL2413



RCL2413

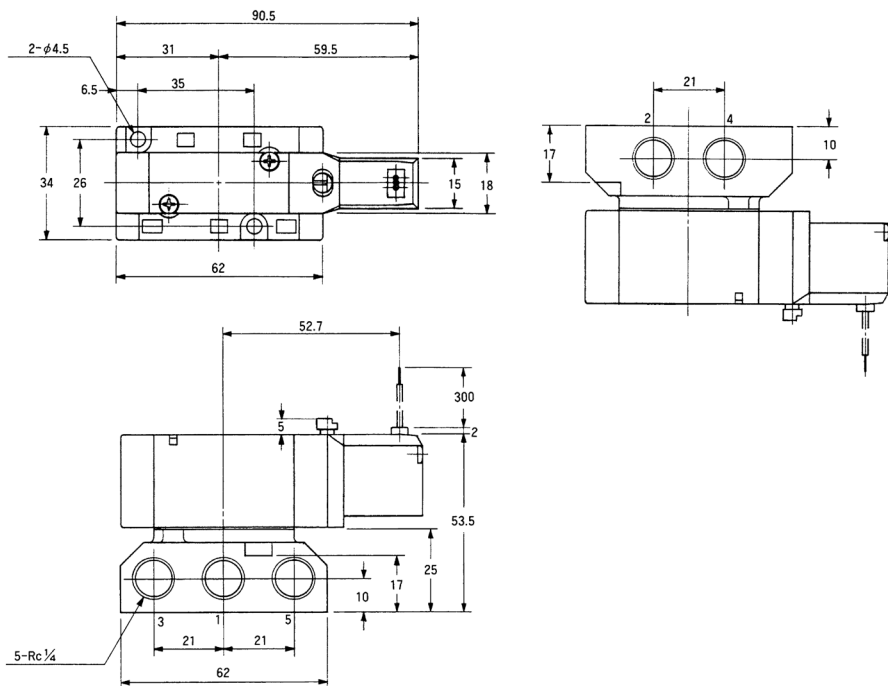


Main Components

No.	Description	Material
1	Body	Aluminium alloy
2	Spool assembly	—
3	Piston D	Synthetic resin
4	Piston S	Synthetic resin
5	Manual override	Synthetic resin
6	End cover	Synthetic resin
7	Pilot valve	—
8	Sub-base	Aluminium die-casting
9	Base gasket	NBR

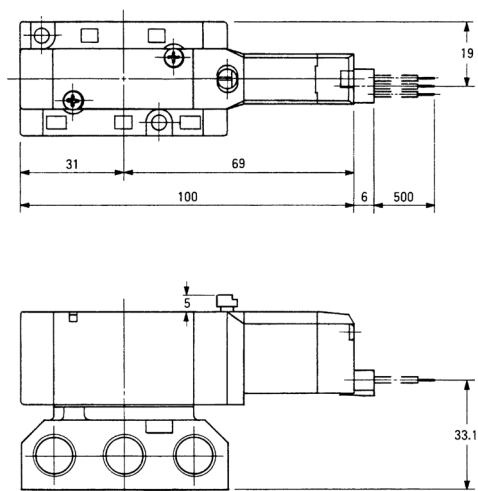
PCL2413(L type)

(Unit: mm)

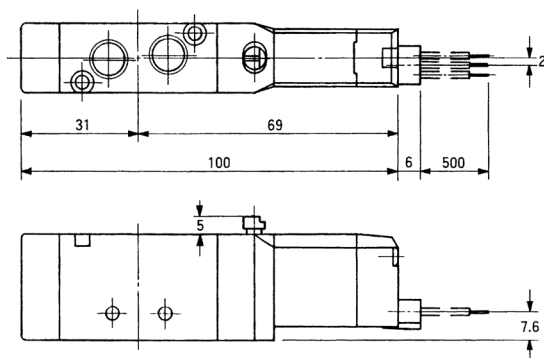
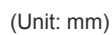


PCL2413(SP type)

(Unit: mm)



(Unit: mm)



MFS□-P□13 Series

Individual Wiring Type Manifold
Bar Type

MFS□-PS13
Common SUP, captured EXH,
port 1, 3 & 5 on both sides



PC/RC5, 13

Manifold Specifications

		MFS□-PS13
Type of manifold		Common SUP, captured EXH, port 1, 3 & 5 on both sides
Port size	Port 1	Rc¼ (Both side)
	Port 3, 5	Rc¼ (Both side)
	Port 2, 4	Rc¼
N: Number of stations		2~10
Mountable solenoid valve		PCL2413 PCS2413 PCD2413 PCD3413 PCE3413 PCO3413
Blank plate		PC13-BP

Manifold

MFS2-PS13-02

Number of stations

2 : 2 stations

⋮

10 : 10 stations

Port size 2&4

02: Rc¼

Mountable solenoid valve series

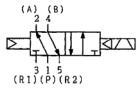
PS13: Common SUP, captured EXH, port 1,3 & 5 on both sides

Mountable solenoid valve

PCL2413-NB-D24SP

Model No.

PCL2413



Wiring

L : Lead wire

SP: Connector with lead wire

Voltage

D24: DC24V

Special specifications

No mark : Standard

Y : Captured exhaust of pilot

Port size

NB: Without sub-base

Note: A gasket & two mounting screws come with valve.

Dimensions

For dimensions, refer to the following pages.

MFS□-PS13-02 → B45

The manifolds are the same with those shown on the left.

The configuration of solenoid valve PCL2413 and PCS2413 are the same, but the manual override are different.

MFU□-R□13 Series

Individual Wiring Type Manifold
Bar Type

MFU□-RC13
Common SUP, common EXH,
port 1, 3 & 5 on both sides



PC/RC5, 13

Manifold Specifications

		MFU□-RC13
Type of manifold		Common SUP, common EXH, port 1, 3 & 5 on both sides
Port size	Port 1	Rc¼(Both side)
	Port 3, 5	Rc¼(Both side)
	Port 2, 4	Rc¼(Valve body ported)
N: Number of stations		2~10
Mountable solenoid valve		RCL2413 RCS2413 RCD2413 RCD3413 RCE3413 RCO3413
Blank plate		RC13-BP

Manifold

MFU 2 - RC13 - 01

Number of stations

2 : 2 stations
 ⋮
 10 : 10 stations

Port size 2&4

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

Mountable solenoid valve series

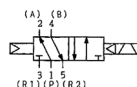
RC13: Common SUP, common EXH, port 1,3 & 5 on both sides

Mountable solenoid valve

RCL2413 01 - D24 SP - MF

Model No.

PCL2413



Special specifications

No mark : Standard

Y : Captured exhaust of pilot

For mounting on manifold

MF: For mounting on manifold
 Note: A gasket & two mounting screws come with valve.

Wiring

L : Lead wire

SP: Connector with lead wire

Voltage

D24: DC24V

Port size

NB: Without sub-base

Note: A gasket & two mounting screws come with valve.

Dimensions

For dimensions, refer to the following pages.

MFU□-RC13-01 → B54

The manifolds are the same with those shown on the left.

The configuration of solenoid valve PCL2413 and PCS2413 are the same, but the manual override are different.

GC30 Series

Pilot Operated Solenoid Valve
Rubber seal/ Sub-base mounting

GCS2430

2-position, single solenoid

GCD2430

2-position, double solenoid

GCD3430

3-position, closed center

GCE3430

3-position, ABR connect

GCO3430

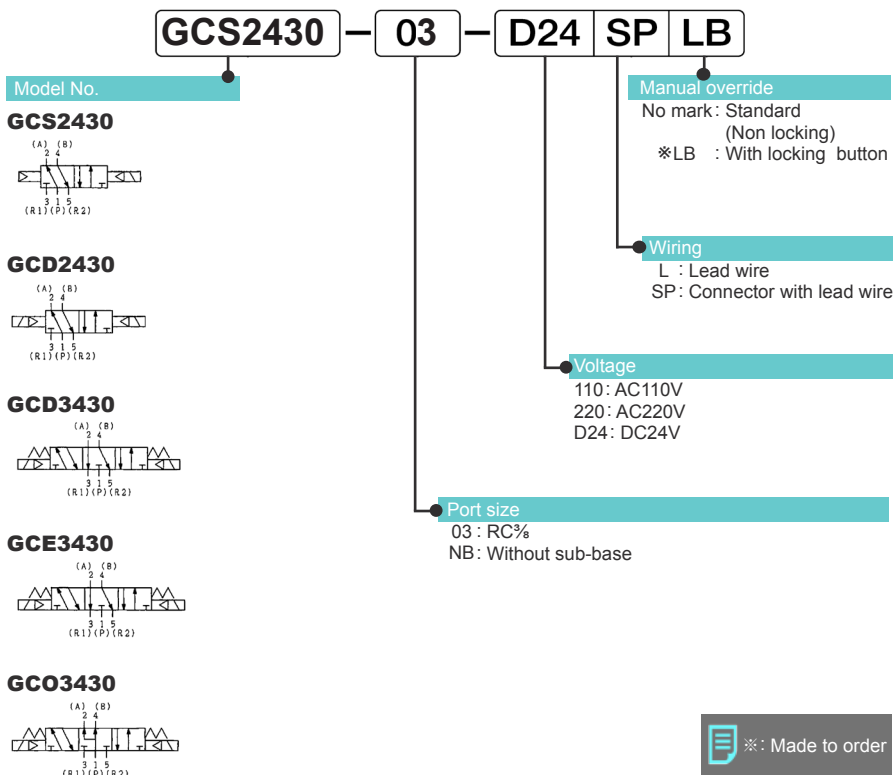
3-position, PAB connect



Specifications(Standard)

Model No.				Unit	GCS2430	GCD2430	GCD3430	GCE3430	GCO3430			
Fluid					Non-lubricated/lubricated air							
Port size					Port 1,2 & 4: RC%		Port 3 & 5: RC¼					
Effective area				mm²	30		25		14			
Operating ambient temperature				℃	-5 ~ 50							
Pressure range				MPa	0.2 ~ 0.8							
Maximum frequency				cycle/min	200							
Response time	DC	L type	ON	s	0.022	0.017	0.017					
			OFF		0.024	—	0.035					
		SP type	ON		0.020	0.017	0.017					
			OFF		0.040	—	0.050					
	AC L SP	50Hz	ON		0.022	0.017	0.017					
			OFF		0.024	—	0.035					
		60Hz	ON		0.022	0.017	0.017					
			OFF		0.024	—	0.035					
			Rated voltage				V	AC/110,220 DC24				
			Permission voltage fluctuation				%	AC±10 DC+10, -15				
Rated frequency				Hz	50/60							
Power consumption	AC	Holding	50Hz	VA	2.5(110/220)							
			60Hz	VA	2.0(110/220)							
		Inlush	50Hz	VA	2.9(110/220)							
			60Hz	VA	2.5(110/220)							
Power consumption DC				W	1.8							
Grade of insulation					JIS grade F							
Wiring					Lead wire(L),Connector with lead wire(SP)							
Mass	L type	NB	g	170	200	240						
		RC¾		350	380	410						
	SP type	NB		170	200	240						
		RC¾		350	380	410						

Note: Supply complete-dry air to avoid freezing when temperature of valve site falls below 5°C
Effective area described in this catalog are measured between ports 1 → 2, 4, in accordance with JIS (Japanese Industrial Standard).



Optional Parts and Spare parts

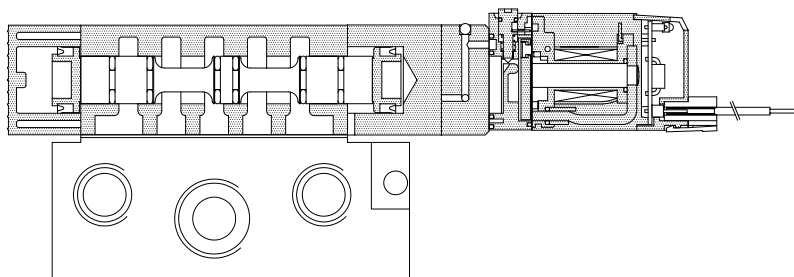
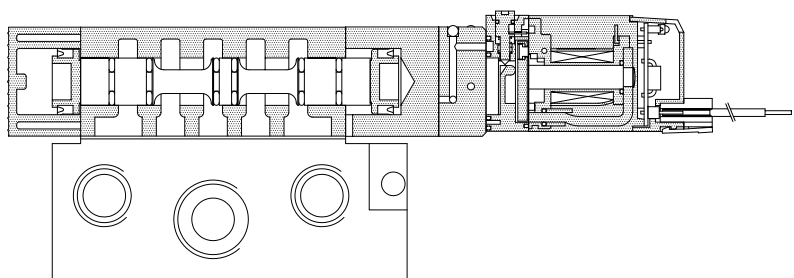
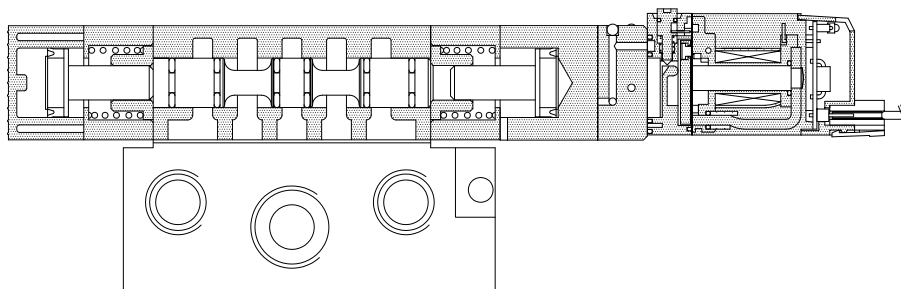
Connector with lead wire

PC5 - D24 - CL5

Voltage	Lead wire length
110: AC110V	CL5 : 500mm (standard)
220: AC220V	CL10 : 1000mm
D24: DC24V	CL20 : 2000mm
	CL30 : 3000mm
	CL50 : 5000mm

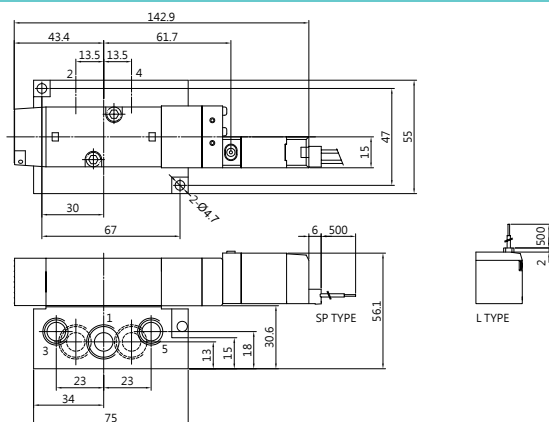
Sub-base

Port size	Model No.
RC $\frac{3}{8}$	PC08-SB-03
RC $\frac{3}{8}$ (For external pilot use)	PC08-SB-X03

GCS2430**GCD2430****GCD3430**

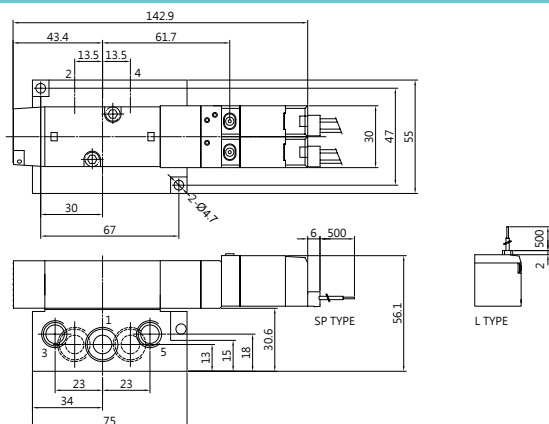
GCS2430

(Unit: mm)



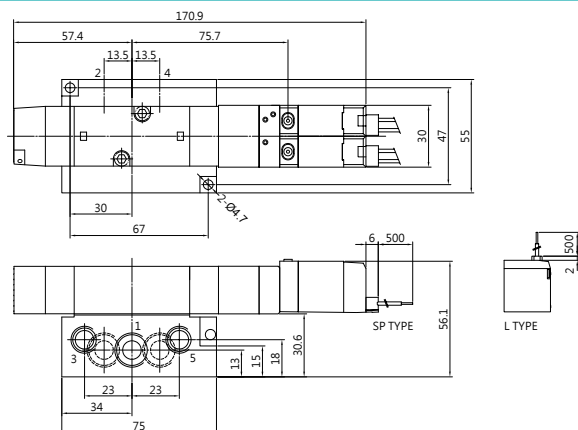
GCD2430

(Unit: mm)



GCD3430, GCE3430, GCO3430

(Unit: mm)



MF□-GC30

Individual Wiring Type Manifold
Separated Type/Bar Type

MF□-GC30 (Separated type)

Common SUP, common EXH,
port 2 & 4 on both sides

MFS□-GC30 (Bar Type)

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



Available for multipurpose

As pilot supply is branched in manifold, it can be used for special purposes such as double supply, low pressure, vacuum, etc.

Manifold Specifications

Type of manifold		MF□-GC30 Common SUP, common EXH, port 2 & 4 on both sides	MFS□-GC30 Common SUP, common EXH, port 2 & 4 on the side
Port size	Port 1	Rc½(Both sides)	Rc½(Both sides)
	Port 3, 5	Rc½(Both sides)	Rc½(Both sides)
	Port 2, 4	Rc¾(Side)	Rc¾(Side)
Number of stations		2~10	
Mountable solenoid valve		GCS2430-NB-※ GCD2430-NB-※ GCD3430-NB-※ GCE3430-NB-※ GCO3430-NB-※	
Blank plate		GC30-BP	



Label

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

Example: MFS8-GC30-03

GCS2430-NB-110G	4 pcs.
GCD2430-NB-110G	2 pcs.
GCD3430-NB-110G	1 pcs.
GC30-BP	1 pcs.

Parts of Separated type manifold

Parts Name	Parts No.GC30
End block set	MF - GC30 - MB
Manifold block	MF - GC30 - BD

Note: Mounting screws & O-ring are supplied



Caution

- When mounting solenoid valve to be used at different pressure on the same manifold, mount the solenoid valve from port 1 on one of the right end or left end(0.8MPa maximum).
- Manifold of MF□ - GC30 used a coupling method for single-stations type manifold.
- For special circuit, use "Specification for Manifold" for reference.

Manifold



Type of manifold

MF (Separated type):
Common SUP, common
EXH, port 2 & 4 on both sides
MFS (Bar type):
Common SUP, common
EXH, port 2 & 4 on the side

Mountable solenoid valve series

PC08: PC08 Series

Special specifications

No mark: Standard
A : Bottom ported
Note: A is for MF only.

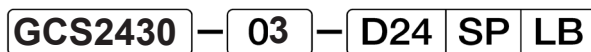
Number of stations

2 : 2 stations
:
:
10 : 10 stations

Port size 2&4

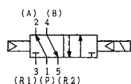
03: Rc%

Mountable solenoid valve

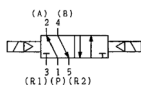


Model No.

GCS2430



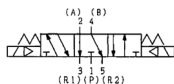
GCD2430



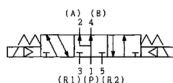
GCD3430



GCE3430



GCO3430



Manual override

No mark: Standard
(Non locking)
*LB : With locking button

Wiring

L : Lead wire
SP: Connector with lead wire

Voltage

110: AC110V
220: AC220V
D24: DC24V

Port size

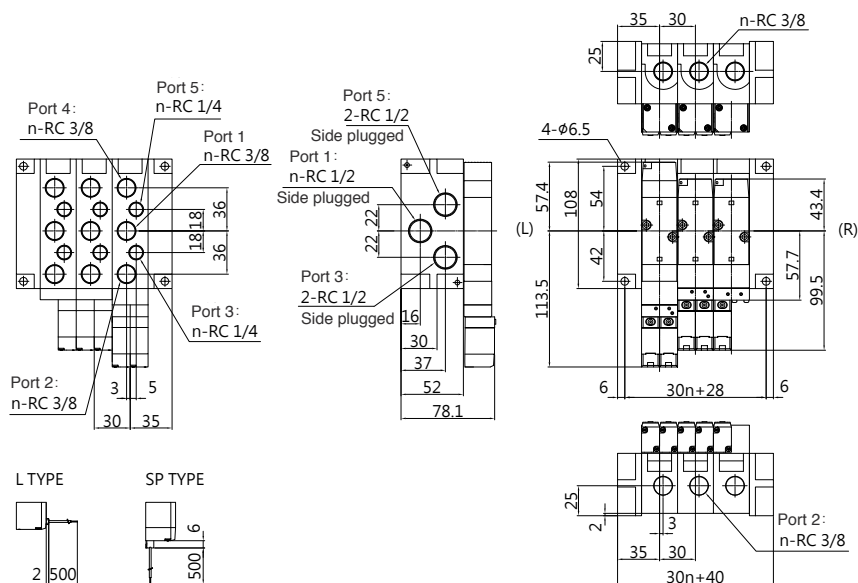
03: Rc%
NB: Without sub-base



※ : Made to order

MF□-GC30

(Unit: mm)



MFS□-GC30

(Unit: mm)

