

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

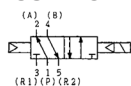
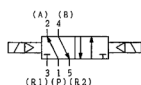
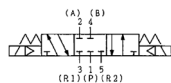
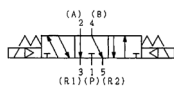


Specifications (Standard)

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						
		RC¼		179	211	228						
	SP type	NB		95	127	144						
		RC¼		179	211	228						

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

Model No.

PCS2413**PCD2413****PCD3413****PCE3413****PCO3413**

PCS2413 — **02** — **D24** **SP** **LB**

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

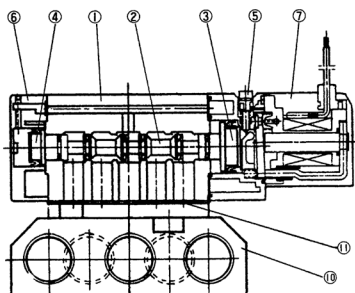
Lead wire length

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

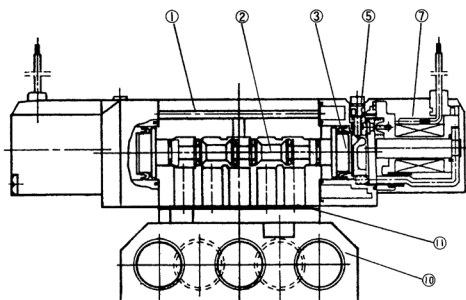
Sub-base

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

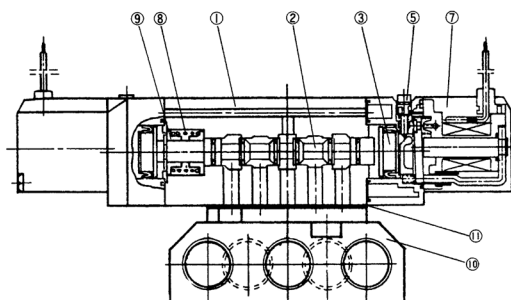
PCS2413



PCD2413



PCD3413, PCE3413, PCO3413

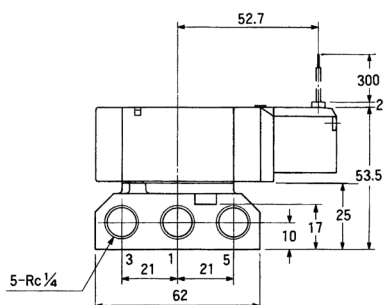
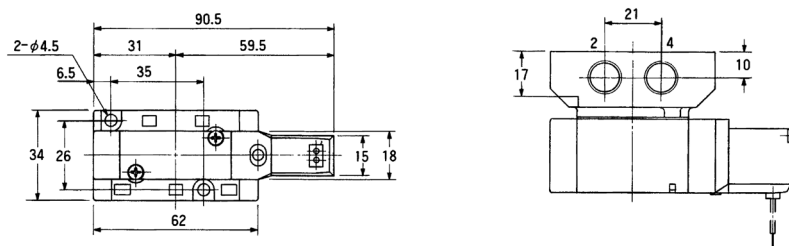


Main Components

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

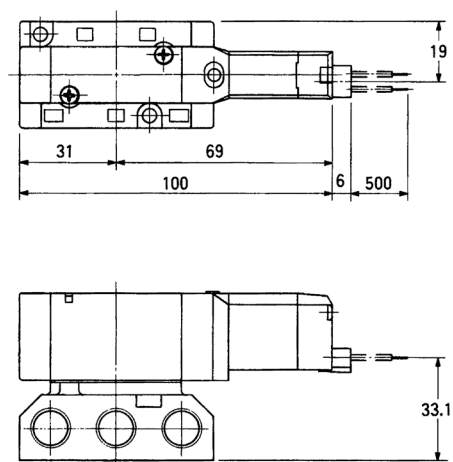
PCS2413(L type)

(Unit: mm)



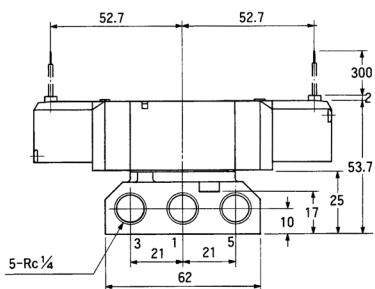
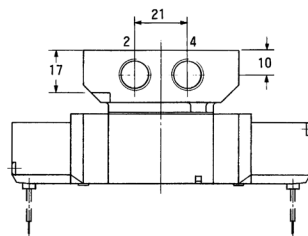
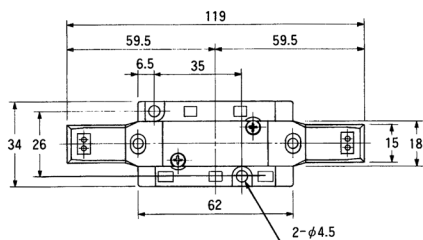
PCS2413(SP type)

(Unit: mm)



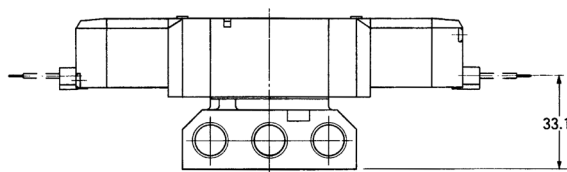
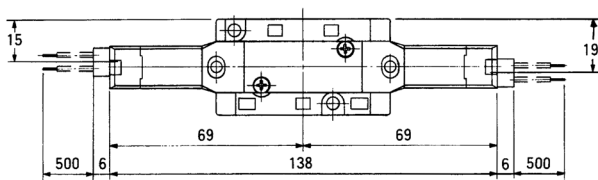
PCD2413(L type)

(Unit: mm)



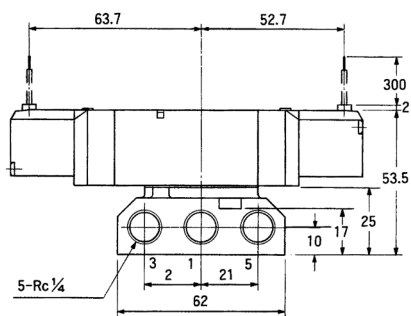
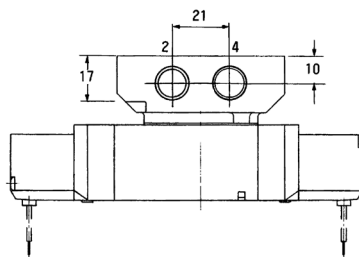
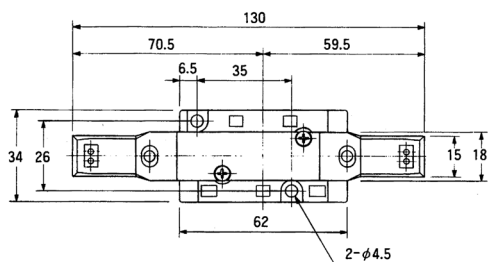
PCD2413(SP type)

(Unit: mm)



PCD3413, PCE3413, PCO3413 (L type)

(Unit: mm)



PCD3413, PCE3413, PCO3413 (SP type)

(Unit: mm)

