

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)

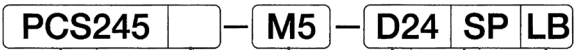
2-position, latching solenoid



Specifications(Standard)

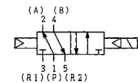
Model No.				Unit	PCS245	PCD245	PCD345	PCE345	PCO345
Fluid					Non-lubricated/lubricated air				
Port size					M5, RC½				
Effective area				mm ²	3.7 (0.2): M5, 4 (0.22): RC½		2.2 (0.12): M5, 2.5 (0.14): RC½		
Operating ambient temperature				°C	-5 ~ 5 0				
Minimum operating pressure				MPa	0.15	0.1	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

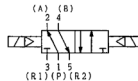


Model No.

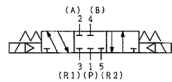
PCS245



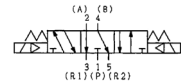
PCD245



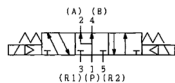
PCD345



PCE345



PCO345



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
01 : RC½
NB : Without sub-base

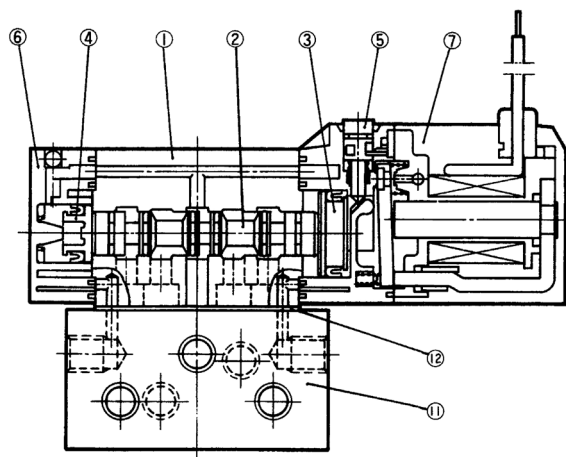
Special specifications

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



※: Made to order

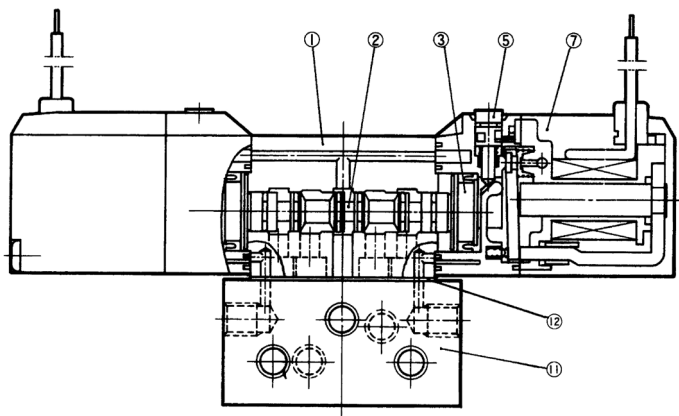
PCS245



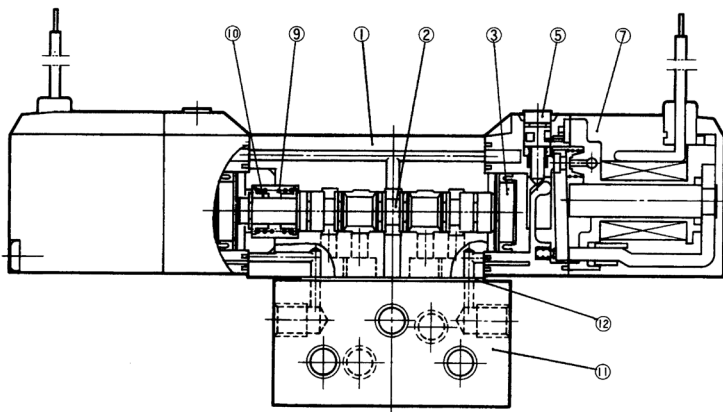
Main Components

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	Alluminium 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

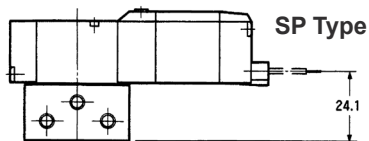
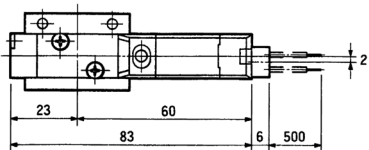
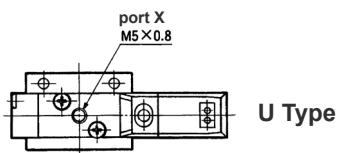
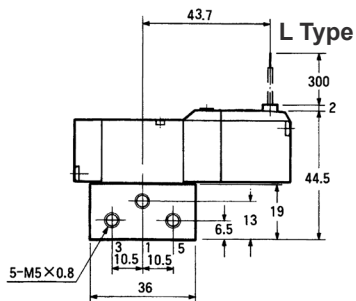
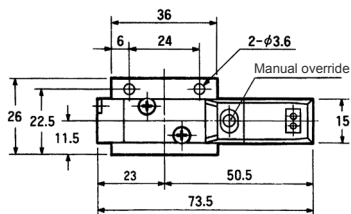
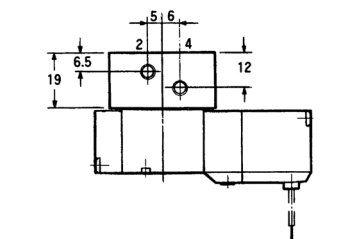
Port size

M5: M5×0.8
01: RC¼

PCS245※-M5

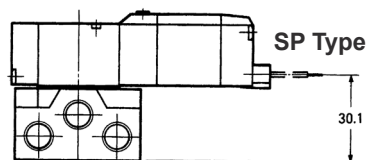
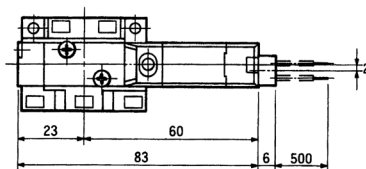
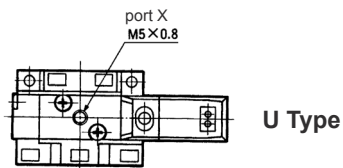
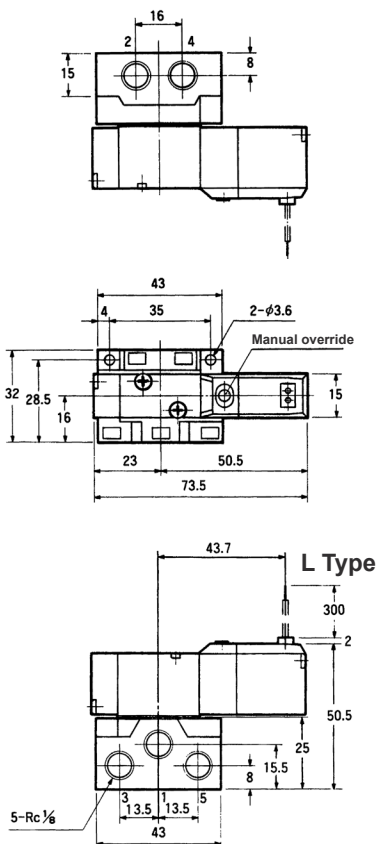
(Unit: mm)

PC/RC5,13



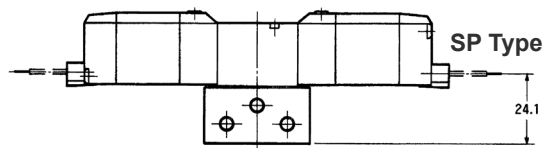
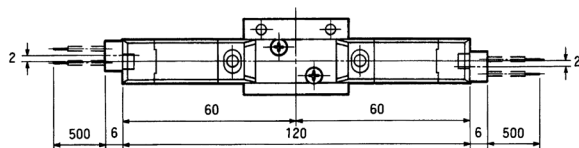
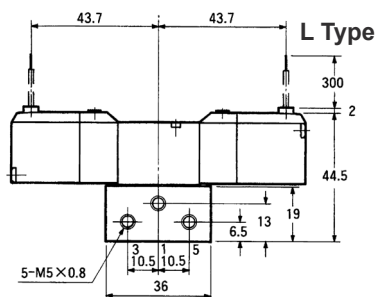
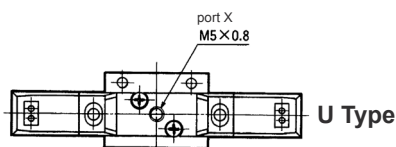
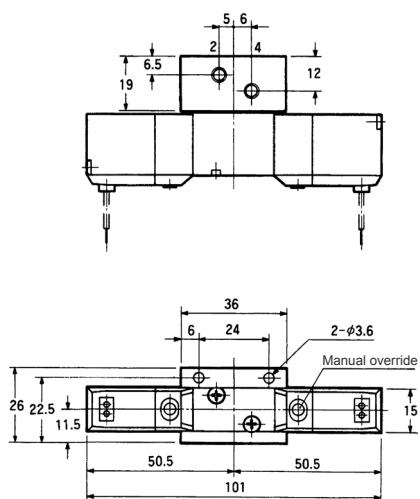
PCS245※-01

(Unit: mm)



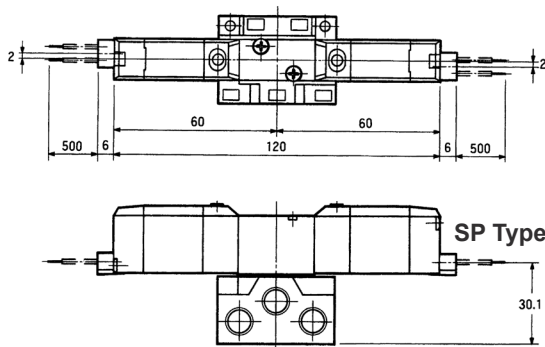
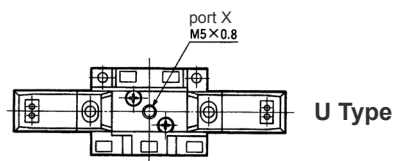
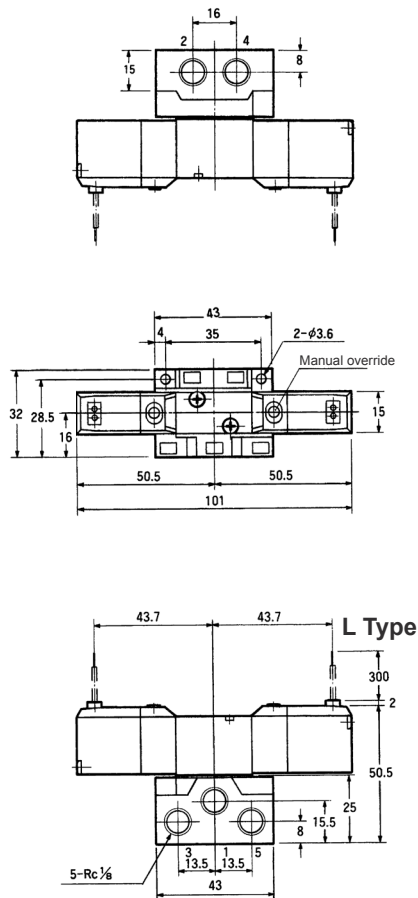
PCD245※-M5

(Unit: mm)



PCD245※-01

(Unit: mm)



PCD345※-01, PCE345※-01, PCO345※-01

(Unit: mm)

