

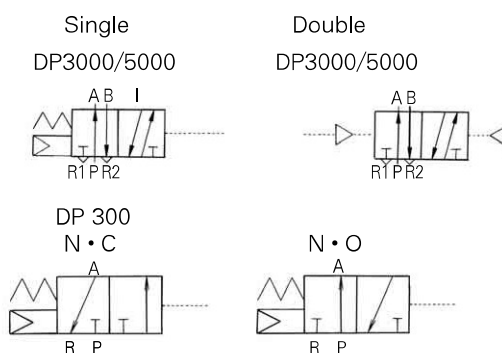
Series **DP300** · **3000** · **5000**

3 · 5 Port Air Pilot Valve



- **COMPACT SIZE AND LIGHT WEIGHT**
 - 26.4mm Width (Series DP300, DP3000)
 - 32 mm Width (Series DP5000)
- **LARGE FLOW CAPACITY**
 - Cv. 1.0 - Rc(PT) 1/4 (Series DP300, DP3000)
 - Cv. 3.2 - Rc(PT) 1/2 (Series DP5000)

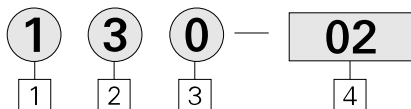
Symbol



How to Order

DP3000

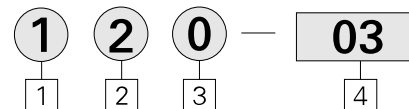
DP3



- 1 Type of Actuation**
1 : Single Pilot type
2 : Double Pilot type
- 2 Body Type**
3 : For 30 type Manifold (Body Ported)
- 3 Body Specifications**
0 : Standard
- 4 Port Size(P, A, B)**
01 : Rc(PT) 1/8
02 : Rc(PT) 1/4
* Exhaust Port is only 1/8

DP5000

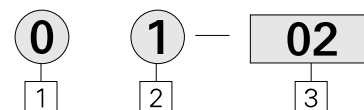
DP5



- 1 Type of actuation**
1 : Single pilot type
2 : Double pilot type
- 2 Body Type**
2 : For 20 type Manifold (Body Ported)
- 3 Body Specifications**
0 : Standard
- 4 Port Size(P, A, B)**
03 : Rc(PT) 3/8
04 : Rc(PT) 1/2
* Exhaust Port is only 3/8

DP300

DP3



- 1 Type of Actuation**
0 : N · C/N · O
- 2 Body Type**
1 : Body Ported

- 3 Port size(P, A, R)**
01 : Rc(PT) 1/8
02 : Rc(PT) 1/4

Specifications

Fluid	Air		
Operating Pressure Range	2 Position	Single	1.5~9 kgf/cm ² {0.15~0.9 Mpa}
		Double	1~9 kgf/cm ² {0.1~0.9 Mpa}
Ambient and Fluid Temperature	MAX. 60°C		
Pilot Pressure Range	2 Position	Single	(Note2) 1.7~9 kgf/cm ² {0.16~0.9 Mpa}
		Double	1~9kgf/cm ² {0.1 ~ 0.9 Mpa}
Lubrication	Not required		
Impact/Vibration Resistance	30 / 5 (8.3 ~ 2000Hz)		
Mounting Position	Free		
(Note 1) Effective Orifice mm ² (Cv factor)	Rc(PT) 1/8		14 (0.8)
	Rc(PT) 1/4		17.5 (1.0)
	Rc(PT) 3/8		48 (2.7)
	Rc(PT) 1/2		56 (3.1)
Pilot Port	Rc(PT) 1/8 Common use		

(Note 1) Cv-Capacity Co-efficients(Flow Factors)

(Note 2) The minimum pressure for PILOT should be higher than "A"

P : Supply pressure.

A : $0.4 \times P + 14.224$ (PSI)

*cm² = 0.0016 in²

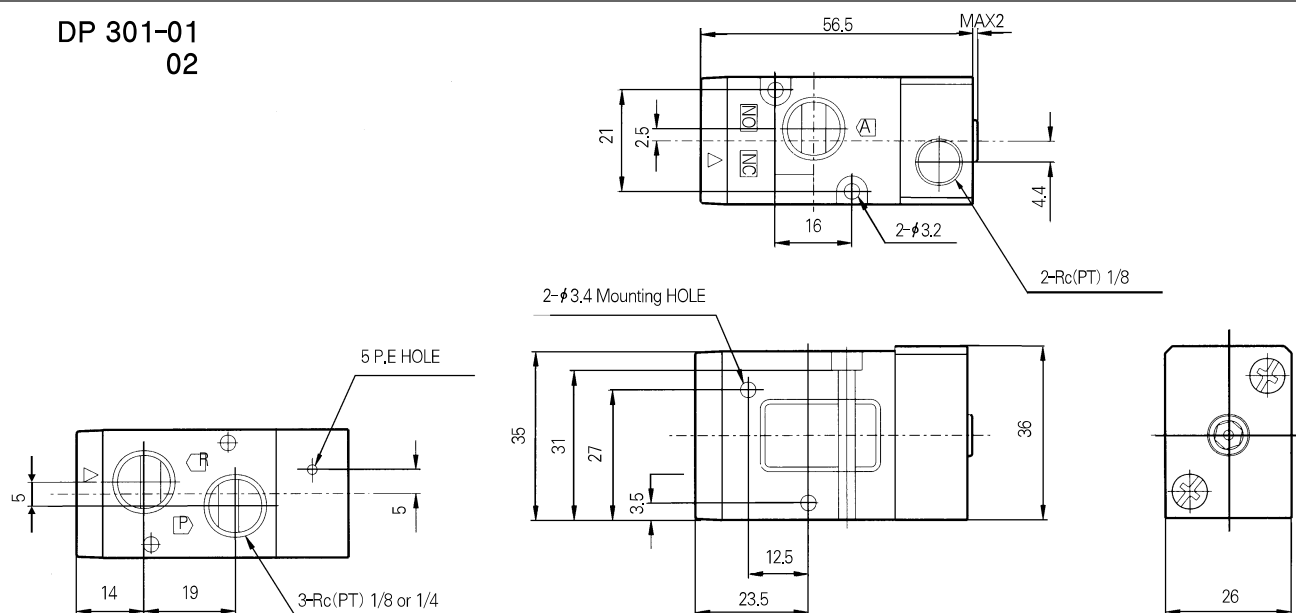
Model

Piping	Type	Position/Solenoid	Port size	Effective Orifice mm ² (Cv factor)	
				Rc(PT) 1/8	Rc(PT) 1/4
Body Ported	DP300	2 Position Single	Rc(PT) 1/8 Rc(PT) 1/4	19.2 (1.07)	22 (1.2)
	DP3130	2 Position Single	Rc(PT) 1/8	14 (0.8)	18 (1.0)
	DP3230	2 Position Double	Rc(PT) 1/4	14 (0.8)	18 (1.0)
	DP5120	2 Position Single	Rc(PT) 3/8 Rc(PT) 1/2	Rc(PT) 3/8 48 (2.8)	Rc(PT) 1/2 58 (3.2)
	DP5220	2 Position Double	Rc(PT) 1/2	48 (2.8)	56 (3.2)

3 Port

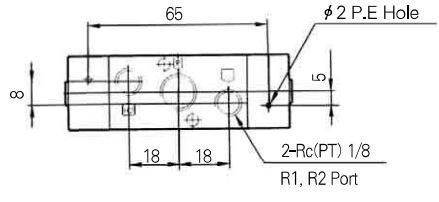
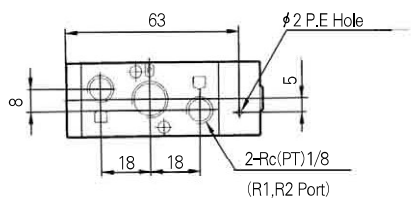
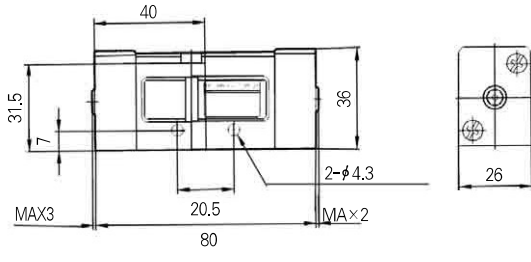
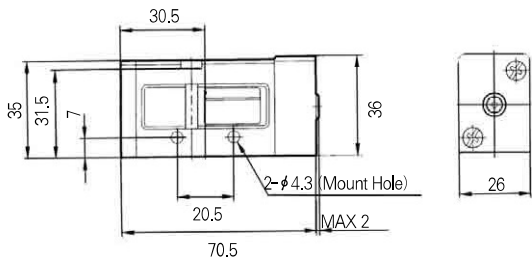
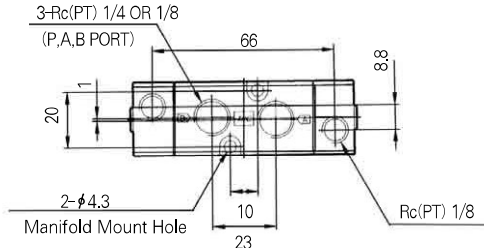
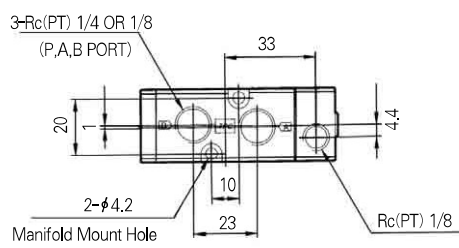
(mm)

DP 301-01
02



5 Port/2 Position Single, Double (mm)

DP3130-01
02



5 Port/2 Position Single, Double mm

DP5120-03
04

