

PD-3

■Features

1. Compact design and high durability.
2. Stainless steel cast body and metal actuator are suitable for wide range of fluids, applications and ambient conditions.
3. Wide variety of actuator can be used for low pilot pressure.



PD-3

■Specifications

Application		Steam, Air, Cold and hot water, Oil, Other non-dangerous fluids (600 cSt or less)	
Nominal size		15-50A	
Working pressure		15A: 0-2.2 MPa *1	20A: 0-1.3 MPa
		25A: 0-0.9 MPa	25A: 0-2.2 MPa *1
		32A: 0-1.2 MPa	40A: 0-1.0 MPa
		50A: 0-0.75 MPa	
Pilot pressure		15A: 0.35-1.0 MPa	20A: 0.45-1.0 MPa
		25A: 0.57-1.0 MPa	25A: 0.35-1.0 MPa
		32A: 0.35-1.0 MPa	40A: 0.44-1.0 MPa
		50A: 0.56-1.0 MPa	
Temperature range		-30 to 200°C (no freeze condition)	
Ambient temperature		-15 to 60°C	
Material	Body	Stainless steel	
	Valve disc	PTFE	
	Bonnet	Brass, Chrome-plated	
Installation posture		Any direction is available	
Connection		JIS Rc screwed	
Operation		Normally closed *2	

*1 For steam: 0-1.5 MPa

*2 Available with normally open type.

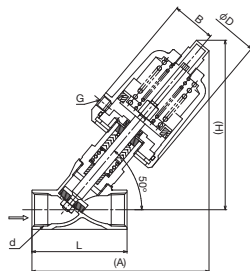
· Please contact us for working pressure, pilot pressure or connections other than the above.

■Dimensions (mm) and Weights (kg)

Nominal size	d	L	A	H	B	D	G	Weight
15A	Rc 1/2	65	135	130	34.5	62	G 1/8	1.1
20A	Rc 3/4	75	140	135	34.5	62	G 1/8	1.2
25A *1	Rc 1	90	150	140	34.5	62	G 1/8	1.4
25A *2	Rc 1	90	190	185	55	96	G 1/4	3
32A	Rc 1-1/4	110	205	200	55	96	G 1/4	3.3
40A	Rc 1-1/2	120	210	205	55	96	G 1/4	3.6
50A	Rc 2	150	225	225	55	96	G 1/4	4.2

*1 Max. working pressure is 0.9 MPa.

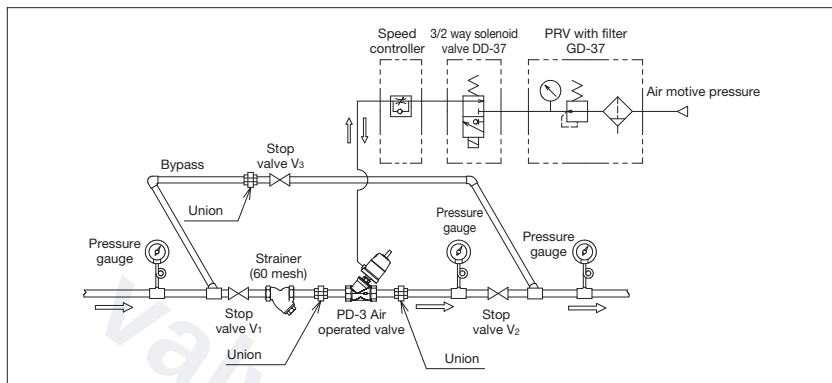
*2 Max. working pressure is 2.2 MPa.



Guidelines for Installing Air Operated Valve

**Step
3**

■Piping example

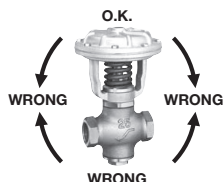


⚠ Warning and caution for installation

- Before connecting the product to piping, remove foreign substances and scales inside the piping. Note that the seal material must not flow into the inside of the product.
* Contamination of foreign substances can cause valve seat leakage and malfunction.
- When installation, check the direction of the product so that the fluid flowing and the arrow marked on the product are in the same direction.
- As shown in the above figure, it is recommended that stop valves, strainers, pressure gauges and bypass line to be installed to the piping. For screwed valve, a union joint is recommended to install for easy maintenance and inspection.
- Make sure to install a strainer with the mesh size 80-100mesh at the inlet side of the product.
- Avoid over-tightening of screw and excessive stress imposed from the piping in order to prevent malfunction due to the distortion of the body.
- Secure a space required for disassembly or removal of the product at the time of maintenance and inspection.

・ Installation posture

<PD-1, 2>



Install the air operated valve vertically (the air pressure inlet port must be faced upward).

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Any direction is possible.