

# Surpass PSD Pneumatic valve

## FEATURES

- Corrosion-resistant PTFE is used for all wetted parts, providing excellent chemical resistance and long-term durability.
- PVDF is used in the actuator section as a countermeasure against gas permeation.
- A proprietary simple structure with unique flow channels is incorporated into the design.
- An indicator is installed as standard to allow confirmation of the valve's operating condition.



## MODELS / SPECIFICATIONS

Type	PSD-2P300P-11	PSD-3P300P-11
Fluids	Gas, liquids (DI water, Chemicals)	
Body size	□30	
Tube size	1/4" (Ø6.35×Ø3.95)	3/8" (Ø9.53×Ø6.35)
Connection type	Pillar fitting	
Orifice diameter	Ø4	Ø7
Cv value	0.3	0.8
Pressure range A → B	0-500kPa	
Back pressure B → A	0-300kPa	
Operating pressure	300-500kPa	
Withstanding pressure	1MPa	
Control port	Rc1/8	
Valve seat leakage	0mL/min (water pressure)*	
Fluid temperature	5-90°C	
Ambient temperature	5-60°C	
Operational frequency	Less than 20 operations/min	
Mounting positions	Flexible	
Wetted parts	PTFE	
Valve operating specifications	NC	

\*When using gas such as N2 or air, valve seat leakage could occur up to 1cm<sup>3</sup> /min. (at pneumatic pressure)

## MODELS / SPECIFICATIONS

- PSD-2P300P-11
- PSD-2P300P-12

- PSD-3P300P-11
- PSD-3P300P-12

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