

Series W-PICV-16/25Q

Pressure Independent Control Valve

Size: DN200-DN250

The Series W-PICV pressure independent control valve is designed for terminal equipment in AHU, PAU or MAU system to regulate the flow through the valve as well as to keep a constant differential pressure at both ends of the valve. It avoids flow fluctuation caused by the opening or closing of other equipment in the system so as to keep the system stable, efficient and energy-saving.

Features

- Equal percentage flow characteristic
- Constant differential pressure is achieved
- Self-balancing valve core realizes easy shutoff
- V-ring sealing and self-compensating spring result in higher abrasion resistance and longer service life
- Electronic preset of maximum flow facilitates on-site commissioning
- Fault auto-detection and alarm function
- Overload protection for power supply, Stroke auto-detection
- Manual lever for convenient on-siting commissioning and troubleshooting

Pressure-Temperature

- Maximum Pressure: PN16/PN25
- Working ΔP : 30~400KPa
- Temperature Range: -10°C~130°C

Test Pressures

PN16 Hydraulic	PN25 Hydraulic
Shell: 24 bar	Shell: 37.5 bar

Material

No.	Component	Material	Standard
1	Body	Ductile Iron	
2	Valve Core	Stainless Steel	304
3	Stem	Stainless Steel	304
4	Spring	Stainless Steel	304
5	Spring	PTFE	
6	Membrane	EPDM	

Installation Dimensions

Size	L(mm)	H(mm)	H'(mm)	W(mm)	Weight(Kg)
DN200	500	502	801	400	140
DN250	600	564	863	445	207

Models

Body

Type	Size	EDP Code	Rated Flow(m ³ /h)	Stroke(mm)	Actuator
W-PICV200-16Q	DN200	61816047	208	40	W-A11D1X
W-PICV250-16Q	DN250	61816041	240		
W-PICV200-25Q	DN200	616P2211	208		
W-PICV250-25Q	DN250	616P2212	240		

Actuator Type

Actuator Type	EDP Code	Rated Output Force(N)	Actual Output Force(N)	Working Voltage	Control Signal	Actuating Time (s/mm)
W-A11D1X	616P2244	3000	3000	24VAC	0(2)~10V, 0(4)~20mA	3.2

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Specification

- Connection Standard: GB/T 17241.6, ISO7005
- Flow Deviation: $\pm 5\%$
- Protection Grade: IP54
- Control Characteristic: equal percentage
- Medium: water/ethylene glycol/propylene glycol

