

Pressure Regulating Valves

Model: ZZV(C)

◆ Introduction



The model ZZVP pressure regulating valves is a nitrogen sealing device is composed of the control valve, actuator, pressure spring, pilot, pulse pipe and other parts. It is mainly used for maintaining the pressure of gas (generally nitrogen) at the top of the vessel constant so as to prevent the materials in the vessel from contacting the air, volatilizing and being oxidized and ensure vessel safety.

It is especially suitable for gas sealing protection systems of various large- sized storage tanks. The product has such features as energy saving, agile action, reliable running, convenient operation and maintenance, etc. It is widely used in petroleum, chemical industry, etc.

◆ Technical parameters and performances

Size: DN20 ~ DN100

Pressure Rating: PN1.6 ~ PN6.4MPa, 150 ~ 300LB

Flange Standard: JB/T79.1-94, 79.2-94, ANSI B16.5

Body Material: Cast iron, cast steel, stainless steel

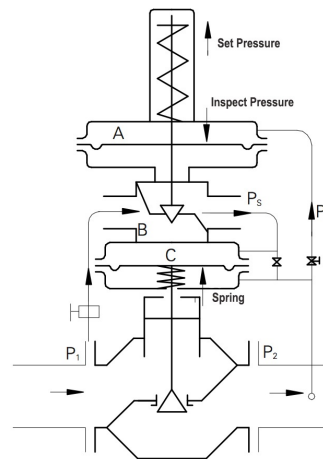
Plug type: Single seated, double-seat, Cage guided

Stem material: Stainless steel

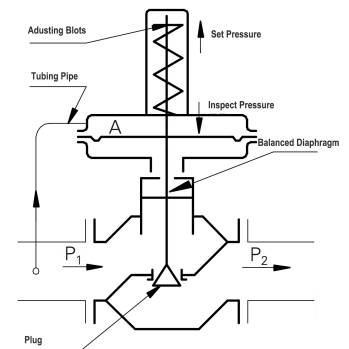
Pressure balancing: Stainless steel bellows

Flow characteristic: Quick open

Working temperature: $\leq 80^{\circ}\text{C}$



ZZVP-II Nitrogen Supply Device



ZZVP-I Nitrogen Discharge Device

Actuator

Pressure Setting Range: 0.4~0.5, 5~10, 9~14, 13~19, 18~24, 22~28, 27~33, 36~44, 42~51, 49~58, 56~66

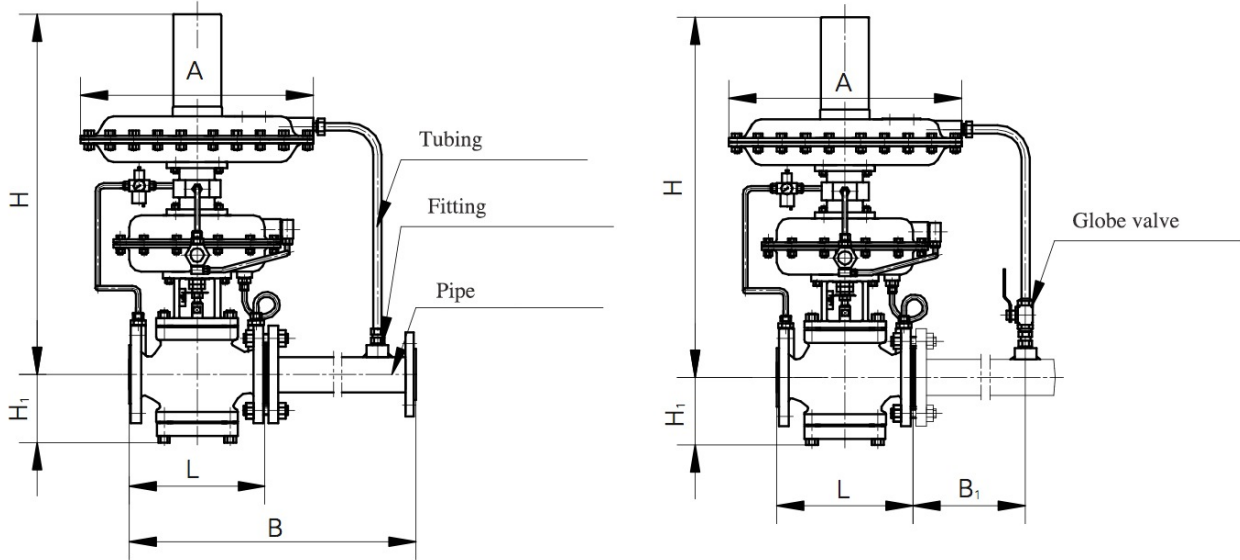
Diaphragm Cover Material: Teflon coated A3, A4 steel sheet

Diaphragm Material: NBR, EPR, fluorine rubber, oil resistant rubber

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◆ Dimension



公称通径 DN(mm)		20	25	32	40	50	65	80	100
法兰端面距 L(PN1.6、4.0)		160		200		230	290	310	350
装接管尺寸 B(PN1.6、4.0)		373	413	483	533	603	753	863	1013
B1 (mm)		≥6DN							
H (mm)		640		650		660	690	700	710
H1 (mm)		90		105		115	140	150	170
重量 (PN1.6、4.0)Kg		32		35		50	85	110	280
执行机构尺寸(按压力设定值选取)									
薄膜式(面积)cm ²	Ae	200		280		400		600	
薄膜式直径mm	A	232		282		308		394	
导压管接头螺纹		M16×1.5							