

Pressure Reducing Valve

Model: RP-6 (for Building facilities, Industrial facilities, etc., Multipurpose Pilot operated type (High capacity))

This is a Pilot operated pressure reducing valve. It is suitable to install in the steam lines with the high capacity of flow, such as industrial production facility and building facility. This model is designed to ensure the perfect performance in various different conditions of the facility, with your easy handling and installation by the light weighted, compact valve body.



Features

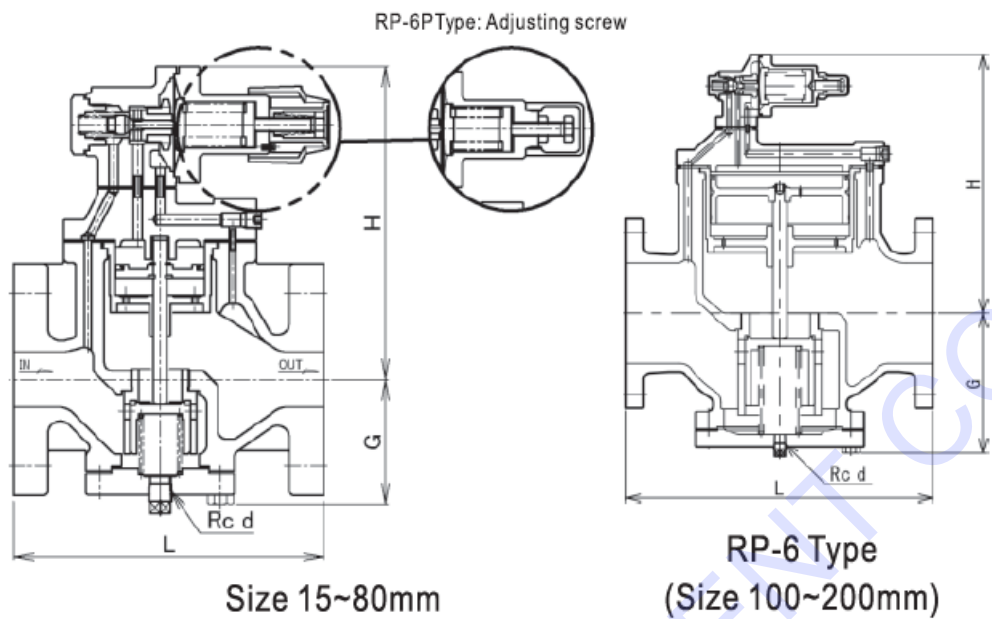
- It is performed and controlled constantly by adopting piston guide construction and special seal ring.
- Possible to install in a line for wide range of pressure and capacity.
- Easy pressure adjustment by manual handle with automatic lock mechanism.
(Size 15-80 mm)
- Compact design.

Specifications

Model name		RP-6	
Code name		RP6-B	RP6-G
Applicable fluid		Steam	
Applicable primary pressure		Max. 1.0MPa	
Adjustable secondary pressure		0.03~0.8MPa	
Maximum reducing rate		20 : 1	
Minimum pressure differential across the disc		Size 15~80mm : 0.05MPa Size 100~200mm : 0.07MPa	
Lock up pressure		Max. 0.02MPa	
Offset pressure	Size 15~80mm	Within 0.02MPa (Adjustable secondary pressure 0.03~0.035MPa) Within 0.03MPa (Adjustable secondary pressure 0.035~0.07MPa) Within 0.05MPa (Adjustable secondary pressure 0.07~0.8MPa)	
	Size 100~200mm	0.05MPa	
Leakage allowance		Less than 0.05% of rated flow	
Applicable temperature		Max. 184°C*	
End connection		Flanged JIS 10KFF	
Materials	Body	Cast iron	
	Disc & seat	Stainless steel	
	Piston & cylinder	Cast bronze	Stainless steel
Valve body pressure test		Hydraulic 1.5MPa	

*Applicable temperature Max.220°C is available upon your request.

Construction



Dimensions

(mm)

Size	L	G	H	d	Cv value	Mass (kg)
15(1/2")	140	62	155	1/4"	1	7.5
20(3/4")	140	62	155	1/4"	2.5	7.5
25(1")	150	67	160	1/4"	4	9
32(1 1/4")	180	73	182	3/8"	6.5	12
40(1 1/2")	180	73	182	3/8"	9	12.5
50(2")	200	86	187	3/8"	16	15.5
65(2 1/2")	230	94	202	3/8"	25	20.5
80(3")	260	110	221	3/8"	36	26.5
100(4")	320	139	285	3/8"	64	52
125(5")	380	187	320	3/8"	100	82
150(6")	420	206	368	3/8"	144	110
200(8")	540	255	425	3/8"	256	176

Flange code JIS 10KFF