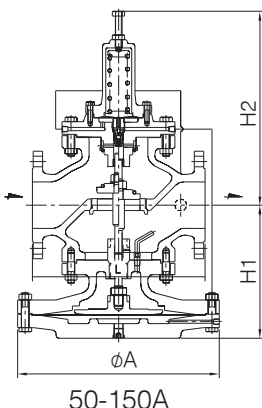
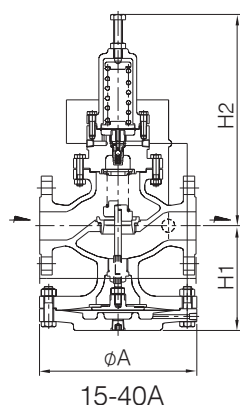


YPR - 100, 100A Type PRESSURE REDUCING VALVE (FOR STEAM)



These models are self-operated pressure reducing valves in a pilot-diaphragm type which has large Cv value. This product gives out superior adjusting performance at drastic load changes of equipment in use.

CONSTRUCTIONS



FEATURES

- Since the maximum reducing rate of 20:1 is possibly adjusted, previously set 2 step reduced pressure can be substituted for one step reduced pressure setting.
- With the large Cv value and superior flow-controlling capacity, each selection of sizes can be lowered up to 2 levels per the same capacity which other similar products have.
- Low pressure(0.21kgf/cm²g) management is possible.
- Secondary adjustable pressure range is indicated by 3-colored springs according to piping environment.
- The main movements are made of stainless steel. Easy construction and maintenance is possible by removing an adaptor from the main valve and pilot valve.

SPECIFICATION

Items	YPR-100	YPR-100A
Applicable fluid	Steam	
Applicable primary pressure	Max. 17kgf/cm ² g	Max. 30kgf/cm ² g
Adjustable secondary pressure	0.21~2.1, 1.4~7.0, 5.6~14.0kgf/cm ² g	
Maximum reducing rate	20:1	
Minimum differential pressure across the disc	0.5kgf/cm ² g	
Leakage allowance	Less than 0.01% of rated flow	
Applicable fluid temperature	Below 220°C	Below 250°C
End connection	KS 10, 20kgf/cm ² g RF FLANGE	KS 30kgf/cm ² g RF FLANGE
Materials	Body : Ductile cast iron Disc/seat : Stainless steel	Body : cast steel Disc/seat : Stainless steel
	Diaphragm : Stainless steel	Diaphragm : Stainless steel
Valve body pressure test	Hydraulic 30kgf/cm ² g	Hydraulic 45kgf/cm ² g

ARBITRATION PRESSURE SPRING

Yellow	0.21 ~ 2.1 kgf/cm ² g
Red	1.4 ~ 7.0 kgf/cm ² g
Blue	5.6 ~ 14.0 kgf/cm ² g

DIMENSIONS

Size	L	φA	H1	H2	Cv	Weight(kg)
15(1/2")	130(130)	196	140(127)	273(278)	5	17.5
20(3/4")	150(150)	196	135(130)	281(284)	7.2	18
25(1")	184(197)	223	150(135)	283(285)	10.9	23.5
32(1 1/4")	180(180)	223	163(143)	293(295)	14.3	24.5
40(1 1/2")	222(235)	223	173(148)	297(300)	18.8	26
50(2")	254(267)	272	195(194)	292(295)	32	41.5
65(2 1/2")	276(292)	348	255(227)	327(332)	60	69.5
80(3")	298(318)	348	260(230)	332(339)	78	75
100(4")	352(368)	402	285(252)	343(345)	120	97.5
125(5")	400	460	330	415	160	180
150(6")	451(473)	530	384	445	245	230

► L Size () is for 30K

INSTALLATION EXAMPLE

