

Type YAWR-1 Pressure Reducing Valve for Water

As a large capacity pressure reducing valve, this product is used for construction facilities, plants, and water-supplying lines for agricultural use. Because the pilot valve has a pressure balance structure, it maintains a constant secondary pressure level, regardless of changes in the primary pressure.



■ Features

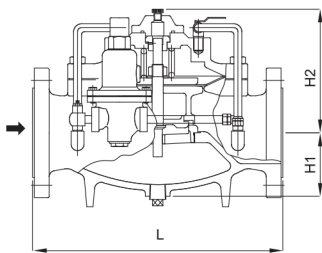
Special seat structure : it prevents a water hammer when the valve is opened and closed.

■ Specifications

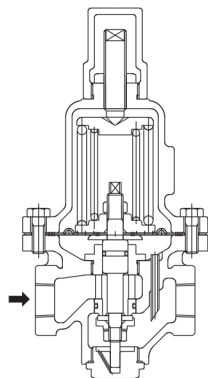
Applicable fluid		Clear water, industrial water, agricultural water	
Primary pressure		Maximum 10 kgf/cm ² g	
Secondary pressure regulating range		Size of 200~250	0.5~7kgf/cm ² g
		Size of 300~400	0.5~3.5kgf/cm ² g 3.0~7kgf/cm ² g
Maximum pressure reduction ratio		10:1	
Minimum differential pressure in the inlet and outlet side of the valve		0.5kgf/cm ²	
Minimum adjustable flow		10% of rated flow	
Fluid temperature		80° C below	
End connection		KS 10K RF FLANGE	
Materials	Body	GC200	
	Disc, seat	NBR, BC6	
Hydraulic test pressure		15 kgf/cm ² g	
Optional		Pressure gauge	

- ▶ The primary and secondary pressure gauge is attached upon client's order.
- ▶ The direct operating type (YPR-2A) should be selected for control of small flow.
- ▶ A pipeline needs to be installed in parallel with the direct operating YPR-2A if there is a need for flow control within 10% of the rated flow.
- ▶ Strainer (over 40 Mesh) installation is required to ahead inlet when valve installing.

■ Dimensional drawing



Main valve



Pilot pressure reducing valve

■ Dimensions

Size	L	H1	H2	Cv	Weight (kg)
200(8")	640	210	390	640	205
250(10")	740	250	481	1000	440
300(12")	900	290	557	1440	516

- ▶ Made-to-orders are available for valves with a size of 300A or larger.

■ Application Diagram (Example)

