

# Type YPR-2W Primary Pressure Regulating Valve for Water

This is a type of relief valve and self-operating regulating valve that discharges excessive pressure resulting from load fluctuations and maintains a constant pressure level in instruments or pipelines. In case of continuous pump operation, changes are made according to fluctuations in the discharge pressure load. It is possible to install this product as a primary pressure regulating valve in the bypass circuit to relieve excessive pressure, and to adjust the discharge pressure to remain constant.



Screwed type



Flanged type

## ■ Features

- Easy to handle : small size and light weight.
- Two ways to install : horizontally or vertically.
- Stable operations : no such issues as hunching or vibration.
- Use of a disc made of special materials inside the valve : No water leakage when the valve is opened and closed.
- Piston-type balance structure : almost no change in the opening pressure resulting from back pressure fluctuations.
- The pressure tank can be used as a relief valve in a pipeline.

## ■ Specifications

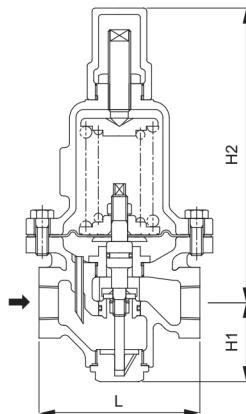
Applicable fluid		Water
Primary pressure		0.5~3.5kgf/cm <sup>2</sup> g, 3~7kgf/cm <sup>2</sup> g
Fluid temperature		80° C below
End connection		KS PT SCREW(15~25A), KS 10K RF FLANGE(32~150A)
materials	Body	GC200
	Disc, seat	NBR/BC6
	Diaphragm	NBR
Hydraulic test pressure		15 kgf/cm <sup>2</sup> g

▶ Strainer (over 40 Mesh ) installation is required to ahead inlet when valve installing.

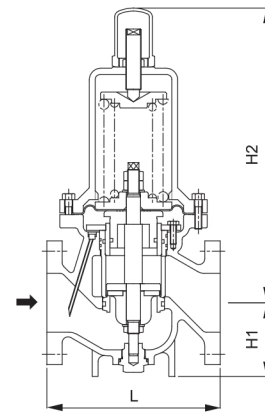
## ■ Dimensions

Size	L	A	H1	H2	Cv	Weight(kg)
15(1/2")	100	116	50	184	2.1	3.7
20(3/4")	100	116	50	184	2.1	3.7
25(1")	120	142	68	224	3.5	6.9
32(1 1/4")	190	174	81	327	8.0	17
40(1 1/2")	190	174	81	327	8.0	17
50(2")	190	174	81	327	14	18.6
65(2 1/2")	250	228	100	374	22	36.3
80(3")	250	228	100	374	32	37.4
100(4")	290	250	125	490	48	67.0
150(6")	390	340	165	655	108	150

## ■ Dimensional drawing



Screwed type(15A~25A)



Flanged type(32A~150A)