

# Type YPR-8G, 8A Pressure Reducing Valve for Heating and Supplying Water for Each Household

Pressure reducing valves that are used to supply water to each household are designed to resolve problems that arise from a pressure imbalance in water supplied to households. They promote user convenience by allowing easy changing of the pipeline direction in accordance with field conditions.



Type YPR-8G



Type YPR-8A1, 2



Optional (Check valve)

## ■ Features

- Irregular pressures control among households in apartment buildings : it prevents waste of water resources.
- A pressure gauge can be attached for precise identification of adjusted pressure.
- Two ways to install : horizontally or vertically.
- No damage caused by high pressure : a diaphragm with special fiber cloth ensures it.
- A constant pressure level with only a single adjustment.
- As a union type, the pipeline can be changed easily according to field conditions.
- YPR-8G, YPR-8C2, YPR-8A2, YPRC-8A2 : the built-in strainer blocks inflow of foreign substances and reduces installation space.
- YPR-8C1,2, YPRC-8A1,2 : it includes the check function so as to prevent the calorie meter from rotating idly by blocking the fluid from flowing backwards.
- The ample opening area of the angle valve minimizes resistance loss, thereby enabling use of larger flow.

## ■ Specifications

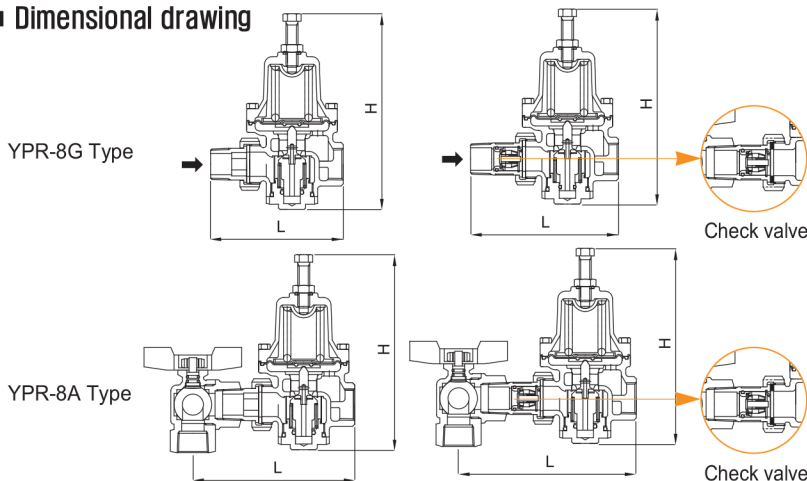
Type	YPR-8G	YPR-8A
Size	15(1/2")	
Applicable fluid	Cold/hot water	
Primary pressure	10kgf/cm <sup>2</sup>	
High pressure regulation	0.5~1.5kgf/cm <sup>2</sup> g (for low pressure), 1.5~3kgf/cm <sup>2</sup> g(for medium pressure), 3~5kgf/cm <sup>2</sup> g(for high pressure)	
Applicable fluid temperature	120° C below	
Maximum pressure reduction ratio	10:1	
Minimum differential pressure in the inlet and outlet side of the valve	0.5kgf/cm <sup>2</sup>	
End connection	Inlet	KS PT UNION
	Outlet	KS PT SCREW
Materials	Body	BsC3
	Disc, seat	VITON, STS
Hydraulic test pressure	15 kgf/cm <sup>2</sup> g	
Optional	Pressure gauge, Check valve	

- ▶ Multi-step pressure reduction is needed when the cavitation index is 0.5 or lower.
- ▶ Strainer (over 40 Mesh ) installation is required to ahead inlet when valve installing.

## ■ Dimensions

Type	Size	L	H	Specifications
YPR-8G	15(1/2")	88	130	Including screen
YPR-8A1	15(1/2")	108	130	Angle
YPR-8A2	15(1/2")	114	130	Angle+Screen
YPR-8C1	15(1/2")	99	130	Check
YPR-8C2	15(1/2")	105	130	Check+Screen
YPRC-8A1	15(1/2")	108	130	Check+Angle
YPRC-8A2	15(1/2")	114	130	Check+Angle+Screen

## ■ Dimensional drawing



## ■ Flow curve

