For heating and supplying water

YPR–8Z Type Pressure Reducing Valve to 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 changes of the pipeline direction in accordance with field conditions.

Features

- It prevents waste of water resources by controlling irregular pressures among households in apartment buildings.
- As a union type, the pipeline can be changed easily according to field conditions.
- No additional errors resulting from the idle rotation of the flowmeter; by preventing pressure imbalance of water flow among households and blocking countercurrents to "low pressure" households.
- Its optimal design considers the maximum concurrent usage rate by supplying sufficient flow, based on an appropriate pressure level, even at peak load.
- Built–in strainer blocks entry of foreign substances and reduces installation space.
- Identifies precise adjusted pressure level and reduces installation space.
- Improvements in cross–sections polishing on the flow path to minimize resistance loss and reduce noise.

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Specifications

Type		YPR–8Z
Applicable fluid		Cold/Hot water
Primary pressure		Max 1.0Mpa
High pressure regulation		0.2~0.34MPA (for medium pressure), 0.34~0.5MPa (for High pressure)
Applicable fluid temperature		80℃ below
Maximum pressure reduction ratio		10:1
Minimum differential pressure in the inlet and outlet of the valve		0.05MPa
End connection	Inlet	KS PT UNION
	Outlet	KS PT SCREW
Material	Body	Unleaded brass
	Disc, seat	EPDM, STS
	Diaphragm	EPDM
Hydraulic pressure test		Hydraulic pressure 1.5MPa/ Pneumatic pressure 1.1MPa
Optional		Check valve

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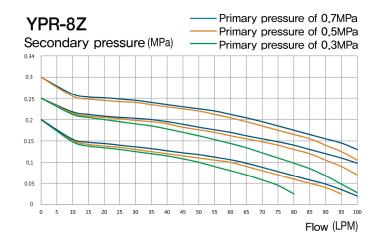
Dimensions

(mm)

Size	L	H1	H2	D	Weight (kg)
15(½")	100	29	65	64	0.65
20(¾")	105	30	68	64	0.75

D=64

15A (PT 1/2")
20A (PT 3/4")

Flow Curve

YPR-8Z
Secondary pressure (MPa)

— Primary pressure of 0.7MPa
— Primary pressure of 0.5MPa
— Primary pressure of 0.3MPa

Flow (LPM)

15A (PT 1/2")
20A (PT 3/4")

YPR-8Z