

YPR-41/41K (KC marked) Type Pressure Reducing Valve

This is an air, liquid and gas pressure reducing valve that delivers constant pressure level and can be used from minimum to maximum pressure flow. The valve operates outstanding performance on mid-high level building's elevated tanks and different level of adjustable flow by pump. Also used as a pressure reducing valve for fire fighting, construction facilities and plant equipment.

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Features

- Two ways to install : horizontally or vertically.
- A constant pressure level with only a single adjustment.
- Wide flow range ability : an outstanding level of minimum adjustable flow & adjustable and stable in a wide flow range.
- Also used as a pressure reducing valve for fire fighting equipment.

Specification

Applicable fluid		Water, vapor
Primary pressure		Maximum 2,0MPa
Secondary pressure regulating range		0,05~0,69MPa, 0,69~1,4MPa
Maximum pressure reduction ratio		10:1
Minimum differential pressure in the inlet and outlet side of the valve		0,05MPa
Fluid temperature		5 ~ 80 °C Below
End connection	Inlet	KS 20K RF FLANGE
	Outlet	KS 20K RF FLANGE
Materials	Body	SCPH2
	Disc, seat	NBR, STS
	Diaphragm	NBR
Hydraulic test pressure		1,5 times the water pressure of the flange applied pressure

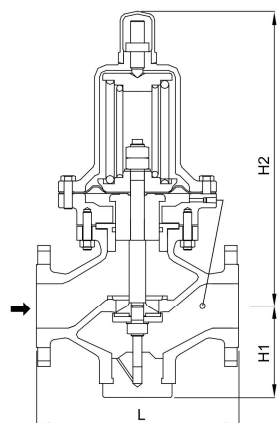
- ▶ We also manufacture the ANSI flange.
- ▶ Strainer (over 80 Mesh) installation is required to ahead inlet when valve installing.
- ▶ KC marked products are order made

Dimensions

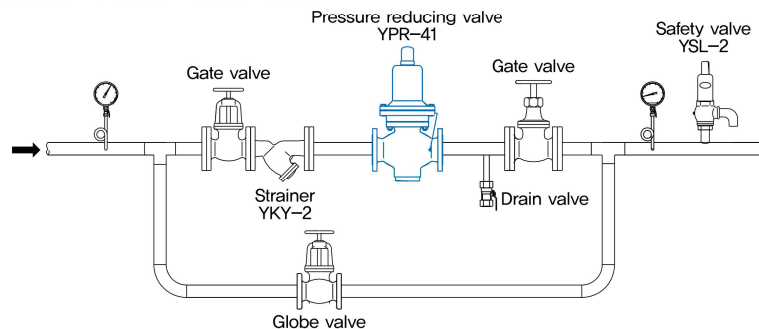
(mm)

Size	L	H1	H2	Cv	Weight (kg)
15(½")	130	062	227	3,9	8,2
20(¾")	150	065	235	3,9	8,5
25(1")	197	072	264	5,0	10,4
32(1¼")	180	083	274	5,3	15,1
40(1½")	235	091	345	15,0	25,5
50(2")	267	107	365	18,0	27,2
65(2½")	292	132	425	31,5	47,4
80(3")	318	140	430	56,1	56,0
100(4")	368	150	535	96,9	100
125(5")	400	175	704	123,9	162
150(6")	473	210	734	190,4	225

Dimensional drawing



Application Diagram [Example]



YPR-2W Type 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.

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.



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Specification

Applicable fluid		Water	
Primary pressure		Maximum 1,0MPa	
Primary pressure		0,05~0,70MPa	
Allowable leakage		Less than 0,01% of rated flow (ANSI b16,104 class IV)	
Descending pressure		Set pressure x within 20% (within 0,03 MPa minimum)	
Accumulation pressure		Set pressure x 10% or less (within 0,03 MPa minimum)	
Fluid temperature		5~80°C or less	
End connection	size	15~25A	32~150A
	Inlet	KS PT SCREW	KS 10K FF FLANGE
	Outlet	KS PT SCREW	KS 10K FF FLANGE
materials	Body	GC200	
	Disc, seat	NBR/CAC406	
	Diaphragm	NBR	
Hydraulic test pressure		1,1MPa	

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

Dimensions

(mm)

Size	L	A	H1	H2	Cv	Weight (kg)
15(½")	100	16	50	184	2,9	3,2
20(¾")	100	16	50	184	3,5	3,3
25(1")	120	142	68	224	6,2	6,4
32(1¼")	190	174	81	327	12,8	17,5
40(1½")	190	174	81	327	13,7	17,7
50(2")	190	174	81	327	13,8	18,8
65(2½")	250	228	100	374	40,2	37,6
80(3")	250	228	100	374	41,9	37,8
100(4")	290	250	125	490	64,7	65,5
150(6")	390	340	165	655	109,5	155,6

Dimensional drawing

