

for Water, Air & Gas

YPR-41W Type Primary Pressure Regulating Valve

This is a type of relief valve and regulating valve that discharges excessive pressure resulting from load fluctuations and maintains a constant pressure level in instruments or pipelines. 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

- A constant pressure level with only a single adjustment.
- Stable operations: no such issues as hunching or vibration.
- Piston-type balance structure: minimal change in the opening pressure resulting from back pressure fluctuations.
- Upper part disassembles in one-way: allows for internal inspection and maintenance.
- Use of a disc made of special materials inside the valve: No water leakage when the valve is opened and closed.

Specification

Applicable fluid	Water	
Primary pressure	Below 1.4MPa	
Permissible leakage	0.01% below rated flow (ANSI b16.104 class IV)	
High pressure regulation	0.05–1.4MPa	
Maximum pressure	Within desired pressure × Within 20 % (Within 0.03 MPa minimum)	
Accumulated pressure	Within desired pressure × Within 20 % (Within 0.03 MPa minimum)	
Fluid temperature	Below 80°C	
End connection	KS 20K RF FLANGE	
Connection	Body	SCPH2
	Disc, Seat	NBR, STS
	Diaphragm	NBR
Hydraulic pressure test	Water pressure	
Options	1.5 times the Flange pressure	

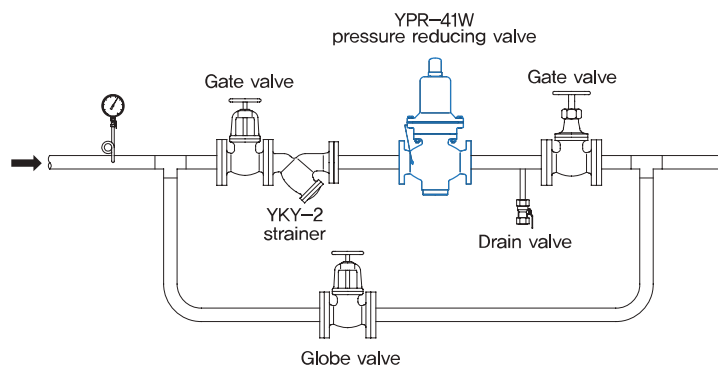
- ▶ Choose Pilot type valve to relief excessive pressure flow.
- ▶ Made - to - order for ANSI CLASS V class Permissible leakage products.
- ▶ Made - to - order for interior coated products.

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

Application Diagram [Example]



Dimensional drawing

