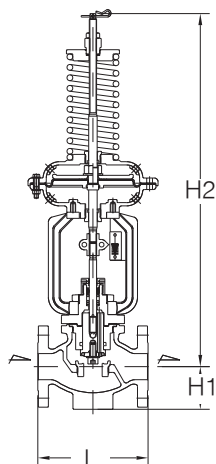


# YPR-2F,20F Type PRESSURE REDUCING VALVE(FOR WATER)



As a Pressure reducing valve for high pressure fluids with diaphragm on its pressure detecting part, it guarantees stable operation at large differential pressure across the disc. And the adoption of pressure balance construction assures good regulation of pressure management at the secondary side regardless of the variance at the primary size.

## CONSTRUCTIONS



## FEATURES

- This is a high performance pressure reducing valve suitable for pressure control of various substations of district heating or cooling system.
- There is no cavitation due to a disc and a seat of special construction.
- Constant flow is assured by rigid construction and sharp actuator operation.
- Balancing construction is not influenced by load change.
- Separated diaphragm from the body is not influenced by temperature.

## SPECIFICATION

Specifications	YPR-2F	YPR-20F
Applicable fluid	Water & hot water & liquid	
Applicable primary pressure	Max. 10kgf/cm <sup>2</sup>	Max. 30kgf/cm <sup>2</sup>
Adjustable secondary pressure	0.5 ~ 3.5, 3.5 ~ 7kgf/cm <sup>2</sup> g	
Maximum reducing rate	10 : 1	
Minimum differential pressure across the disc	0.5kgf/cm <sup>2</sup>	
Applicable temperature	Below 100°C	Below 170°C
Fluid viscosity	Below 700 cSt	
Leakage allowance	Soft Seat	0
	Metal Seat	Less than 0.5% of rated flow
End connection	KS 10K RF FLANGE	KS 20, 30K RF FLANGE
Materials	Body	Cast iron
	Disc / seat	Stainless steel
	Diaphragm	EPDM, VITON
Valve body pressure test	1.5 times of flanged set pressure	

## DIMENSIONS

(mm)						
Size	L (10K)	L (20, 30K)	H1	H2	Cv	Weight (kg)
25 (1")	184	197	62.5	640	6	20
32 (1 1/4")	180	180	70	650	9.4	22
40 (1 1/2")	222	235	80	658	13.5	30
50 (2")	254	267	95	670	24	41
65 (2 1/2")	276	292	115	720	37.5	58
80 (3")	298	318	120	720	54	72
100 (4")	352	368	130	735	96	95
125 (5")	400	400	150	775	150	170
150 (6")	451	473	180	800	216	210

► For sizes, larger than 200mm are also available upon request.