



PRESSURE REDUCING VALVE YPR-1S

SAMYANG KOREA

■ Features

- Pilot-type pressure reducing valve for steam features a precise adjustment function.
- With only a single adjustment, a constant pressure level is maintained, thereby ensuring safety.
- Convenient piping construction, thanks to its simple structure and solidity.
- Superb performance even in places where primary steam pressure changes are severe.
- Pressure at a constant level, regardless of changes in the secondary flow.

■ Specifications

Applicable fluid		Steam
Primary pressure		Maximum 10 kgf/cm ² g
Secondary pressure regulating range		0.35~5 kgf/cm ² g (for standard pressure) 4~8 kgf/cm ² g (for medium pressure)
Maximum pressure reduction ratio		10:1
Minimum differential pressure in the inlet and outlet side of the valve		0.7kgf/cm ²
Leakage allowance		0.05% less of rated flow
Fluid temperature		220° C below
End connection		KS 10K RF FLANGE
Materials	Body	GC200
	Disc, seat	BC6
Hydraulic test pressure		15 kgf/cm ² g

- ▶ Strainer (over 80 Mesh) installation is required to ahead inlet when valve installing.
- ▶ Install a water separator at the inlet of the pressure reducing valve to ensure the removal of condensate.

■ Dimensions

Size	L	H1	H2	d	Cv	Weight (kg)
15(1/2")	152	63	230	1/4"	1	8.0
20(3/4")	152	63	230	1/4"	2.5	8.0
25(1")	170	71	255	1/4"	4	12.5
32(1 1/4")	200	81	265	1/4"	6.5	16
40(1 1/2")	200	81	265	1/4"	9	16.5
50(2")	215	86	270	1/4"	16	21
65(2 1/2")	245	110	285	3/8"	25	29
80(3")	285	130	295	3/8"	36	39.5
100(4")	320	148	308	3/8"	64	68
125(5")	380	173	368	3/8"	100	83.3
150(6")	420	189	378	3/8"	144	101
200(8")	500	229	451	3/8"	256	183

■ Application Diagram (Example)

