

Pressure Reducing Valve (PRV) SS316

Standard

- 1/2" to 4" Meet requirements of
- ASSE Standard 1003. (ANST 112.26)
- CSA Standard B356
- (ASSE - American Society of Sanitary Engineering)
- (CSA - Canadian Standard Association)

Pressure / Temperature

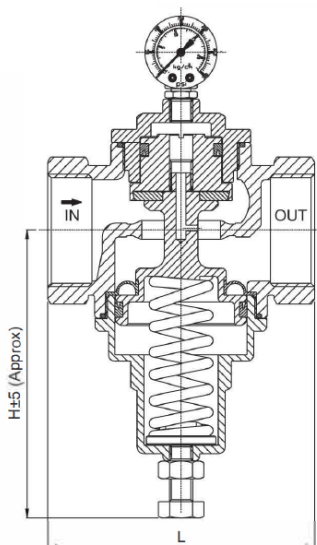
- Temperature : 80 °C (For Water)
- Temperature : 180 °C (For Steam)
- Maximum Working Pressure : 21 Kg/cm², Inlet
- Pressure Adjusting Range : 1 ~ 6 Kg/cm², 4 ~ 10 Kg/cm²
8 ~ 13 Kg/cm², 12 ~ 20 Kg/cm² 20 ~ 35 Kg/cm²

Pressure Setting And Flow Rate Of Direct - Activated Pressure Reducing Valve

- Direct-activated pressure reducing valve directly opens and close valve gate by the outlet pressure
- When Outlet pressure is under setting pressure, valve gate automatically opens, To make valve gate fully open, adjustable pressure range and setting pressure are relative points.
- A : Pressure drop needed for fully-opened valve gate = B/4, B = Adjustable Pressure Range Maximum - Maximum
- B : Adjustable Pressure Range (= Maximum Maximum - Adjustable Pressure Range)
- C : Setting Pressure of Outlet
- P : Pressure of fully-opened outlet valve gate, P = C - A
- Pressure drop needed for fully-opened valve gate for Adjusting Pressure range 3 ~ 9 kgf/cm² of direct activated pressure reducing valve.
- A = B/4 = 9 - 3 = 1.5 kgf/cm².
- If the setting pressure of outlet 6 kgf/cm², Pressure of fully opened valve gate will be P = 6 - 1.5 = 4.5
- kgf/cm² (Outlet Pressure should go down under 4.5 kgf/cm² to make valve gate fully open)



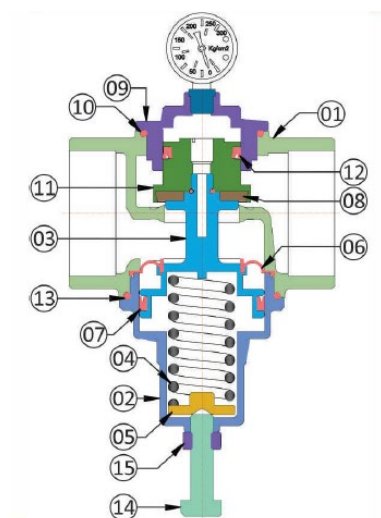
Dimensions



Dimensions : (All Dimensions are in mm)

Valve Size		L	H	CV	Weight Approx.
MM	Inch				
15	1/2"	70.5	72	24	0.800
20	3/4"	85.5	87	9	1.000
25	1"	90.5	91	11	1.000
32	1.1/4"	98.5	100	12.15	1.200
40	1.1/2"	115	116	21	2.250
50	2"	120	120	25	2.400
65	2.1/2"	148	147	75	7.650
80	3"	177	176	80	8.050
100	4"	190	190	120	12.500

BOM



No.	Description	Material	Qty.
01	Body	CF8M	01
02	Bonnet	CF8M	01
03	Piston	CF8M	01
04	Spring	S. S. 302	01
05	Spring Guide	S. S. 410	01
06	Diaphragm	Viton	01
07	Piston V - Seal	Viton	01
08	Washer	Viton	01
09	End Cover	CF8M	01
10	End Cover 'O' - Ring	Viton	01
11	Plug	CF8M	01
12	Plug V - Seal	Viton	01
13	Bonnet 'O' - Ring	Viton	01
14	Adjusting Bolts	S. S. 316	01
15	Adjusting Nut	S. S. 316	01

Flow Chart of Inlet and Outlet Pressure Drop

