



TW Brand: Direct Activated Pressure Reducing Valve Model PRV

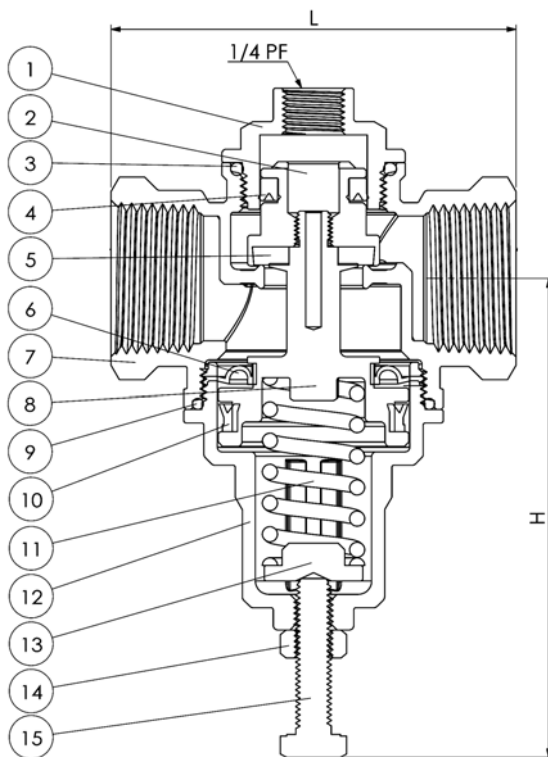


Specification:

Suitable for fluid, air and steam
 Pressure Adjusting Range 0.5~10 kgf/cm²
 Maximum Inlet Pressure 20 kgf/cm²
 Minimum Inlet Pressure 0.5 kgf/cm²
 Maximum Inlet Temperature 200 C

Material List:

No.	Part Name	Material
1	Upper Cap	SS316
2	Piston	SS316
3	O-Ring	VITON
4	U-Ring	VITON
5	Gasket	VITON
6	Diaphragm	VITON
7	Main Body	SS316
8	Stem	SS316
9	O-Ring	VITON
10	U-Ring	VITON
11	Spring	STEEL
12	Spring Chamber	SS304
13	Spring Seat	BRASS
14	Stationary Nut	SS304
15	Adjustable Screw	SS304



Dimension:

Size	L	H	Cv
1/2"	70.5	105	2.4
3/4"	85.6	105	9
1"	90.5	106	11
1.1/4"	98	108	14
1.1/2"	115.2	134	21
2"	120.8	152	25

Flow Capacity of Water (Liter/min)						
Cv	2.4	9	11	14	21	25
SIZE	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
dP(Kg)						
1	9.0	33.9	41.5	52.8	79.1	94.2
1.5	11.1	41.5	50.8	64.6	96.9	115.4
2	12.8	48.0	58.6	74.6	111.9	133.2
2.5	14.3	53.6	65.5	83.4	125.1	149.0
3	15.7	58.7	71.8	91.4	137.1	163.2
3.5	16.9	63.4	77.5	98.7	148.0	176.2
4	18.1	67.8	82.9	105.5	158.3	188.4
4.5	19.2	71.9	87.9	111.9	167.9	199.8
5	20.2	75.8	92.7	118.0	176.9	210.7
5.5	21.2	79.5	97.2	123.7	185.6	220.9

$$Q = Cv \times \sqrt{dp}$$

Q : Flow Capacity of Water (liter/min)

dp : Inlet Pressure - Outlet Pressure (psi)