

PRESSURE REDUCING VALVE



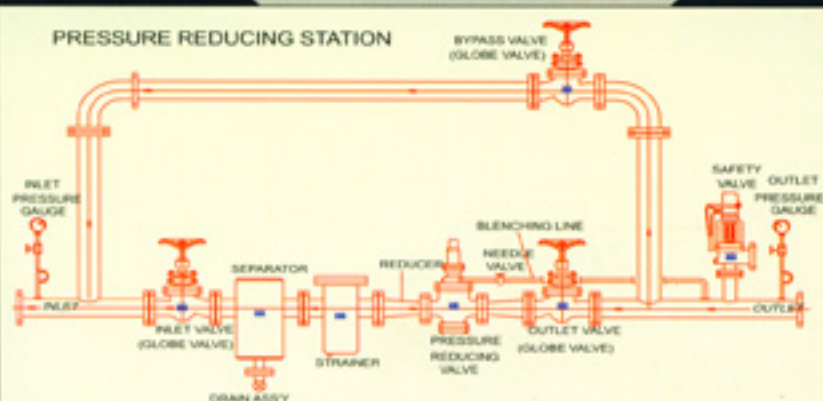
**IBR
APPROVED**



**PILOT OPERATED FOR
ACCURACY OF CONTROL**

Full Lift Reducing Valves

**For high performance on
Steam, Air & Gases**



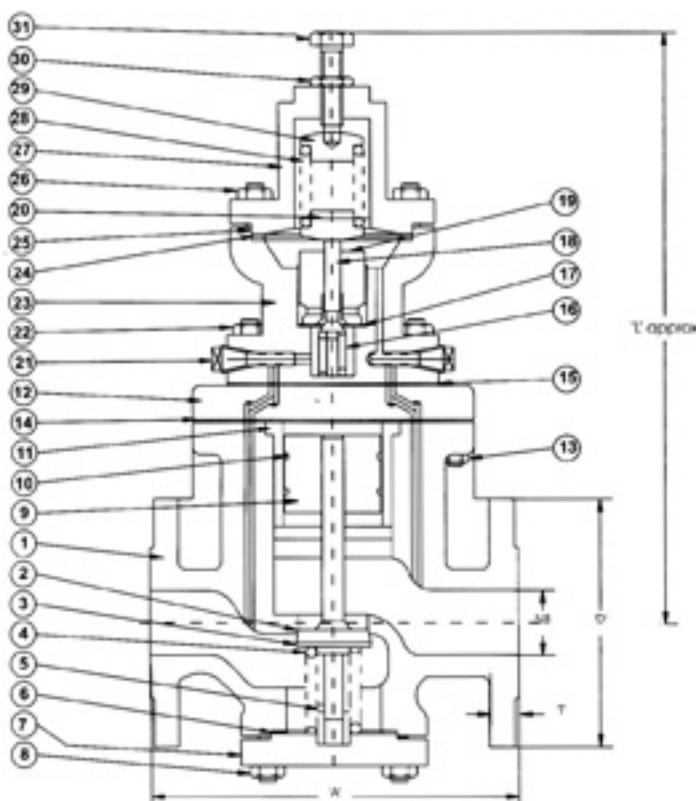
H.P. Valves Mfg. Co.
Ahmedabad, India

PRESSURE REDUCING VALVE



DESIGN FEATURES

- ✓ MAXIMUM INLET PRESSURE - 250 psig.
- ✓ MAXIMUM OUTLET PRESSURE - 200 psig.
- ✓ MINIMUM OUTLET PRESSURE - 5 psig.
- ✓ MAXIMUM WORKING TEMPERATURE - 450°C



MATERIAL OF CONSTRUCTION

Sr. No	PARTS	QTY.	MATERIAL
1	BODY	1	ASTMA 216 GR. WCB
2	SEAT RING	-	13 % Cr. SS. FACING (SS 304)
3	MAIN VALVE DISC	1	S.S. AISI 304
4	MAIN VALVE SPRING	1	SPRING STEEL (C.S.)
5	BUSH	1	S.S. AISI 304
6	BOTTOM FLANGE GASKET	1	COMPRESSED ASBESTOS FIBER
7	BOTTOM FLANGE	1	CARBON STEEL
8	BOTTOM FLANGE STUD & NUT	4	CARBON STEEL
9	PISTON	1	S.S. AISI 304
10	PISTON RING	2	CAST IRON
11	PISTON CYLINDER	1	S.S. AISI 410 / AISI 304
12	CENTRE PLATE	1	CARBON STEEL
13	BODY STUD & NUT	6	CARBON STEEL
14	CENTRE PLATE GASKET	1	COMPRESSED ASBESTOS FIBER
15	PILOT VALVE GASKET	1	COMPRESSED ASBESTOS FIBER
16	PILOT VALVE SPRING	1	SPRING STEEL (C.S.)
17	PILOT VALVE GASKET	1	COMPRESSED ASBESTOS FIBER
18	PILOT VALVE	1	S.S. AISI 410 / 304
19	PILOT VALVE SEAT	1	S.S. AISI 410 / 304
20	SPRING BUTTON	1	CARBON STEEL
21	PLUG	2	CARBON STEEL (1/4" B.S.P)
22	PILOT VALVE BODY STUD & NUT	4	CARBON STEEL
23	PILOT VALVE BODY	1	CARBON STEEL
24	DIAPHRAGM GASKET	2	COMPRESSED ASBESTOS FIBER
25	DIAPHRAGM	1	PHOSPHEROUS BRONZE / S.S.
26	HOUSING STUD & NUT	4	CARBON STEEL
27	ADJUSTING SPRING HOUSING	1	ASTMA 216 GR. WCB / C.S.
28	ADJUSTING SPRING	1	SPRING STEEL (C.S.)
29	SPRING BUTTON	1	CARBON STEEL
30	LOCK NUT	1	CARBON STEEL
31	ADJUSTING BOLT	1	CARBON STEEL

SIZE	'A'	'NB'	'D'	'T'	'R.F.D'	'NO. OF H'	'φ' W'	PCD	'L'
1"/25	200	25	121	14.3	63.5	4	18	87.3	300
1 1/2"/40	210	38	140	17.5	82.5	4	18	104.7	340
2"/50	265	51	165	19	102	4	18	127	360
2 1/2"/65	275	64	184	19	114.5	8	18	146	380
3"/80	320	76	203	22.2	127	8	18	165	400
4"/100	342	102	229	25.4	152.5	8	18	190.5	435
6"/150	470	152	305	28.6	210	12	22.2	260.3	480

Salient Features

- ✓ Self-actuating, Pilot operated for enhanced accuracy.
- ✓ High Quality Stainless Steel Diaphragm
- ✓ Maintain Constant outlet pressure, Irrespective to changes in Inlet Pressure
- ✓ Suitable for medium & Low, Pressure of Steam, Gas, Air & Liquid.
- ✓ Adjustable spring in different range.
- ✓ Interchangeability of the pilot valve component parts simplifies maintenance
- ✓ Reduced pressure accuracy 1% from full flow to 10% of flow.

HYD. Test Pressure

Body : 77.4 kg/cm² Seat : 51 kg/cm²

VALVE SIZE IN mm	15	20	25	40	50	80	100
CV STANDARD	2.5	6	10	20	35	75	105
SPECIAL	1	3	5	10	15	35	50

Mfg. by
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