

PRESSURE REDUCING VALVE

Forged Brass Compact Piston Operated

Pressure Reducing Valves is used to reduced downstream pressure to the desired level thus protecting water installations against excessive upstream pressure.

SALIENT FEATURES:

- Screwed Female Ends to ISO 228
Most ideal for sensitive and a consistent fluid regulation
- Piston-operated, compact construction, easy to install
- Demands low maintenance and virtually noiseless
- Facility provided to install a Pressure Gauge to gauge the critically relevant Outlet Pressure
- The adjustment spring is not in contact with the drinking water hence ensuring absolute zero health hazard.
- It can be installed in Horizontal, Vertical or inclined orientations

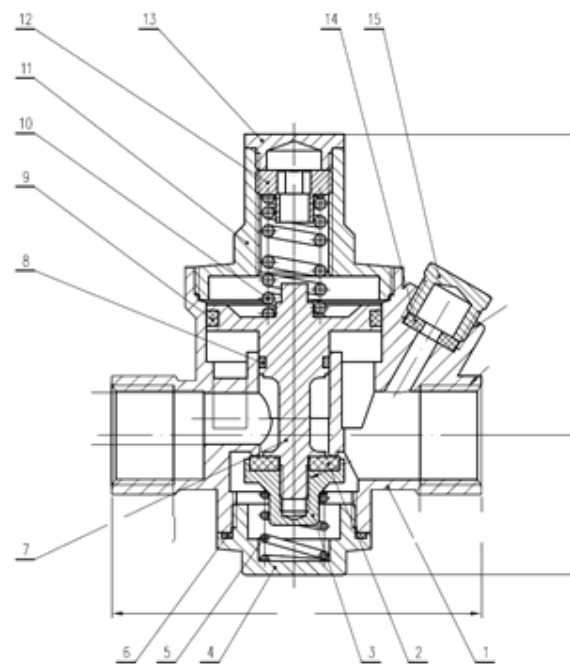


TECHNICAL SPECIFICATIONS

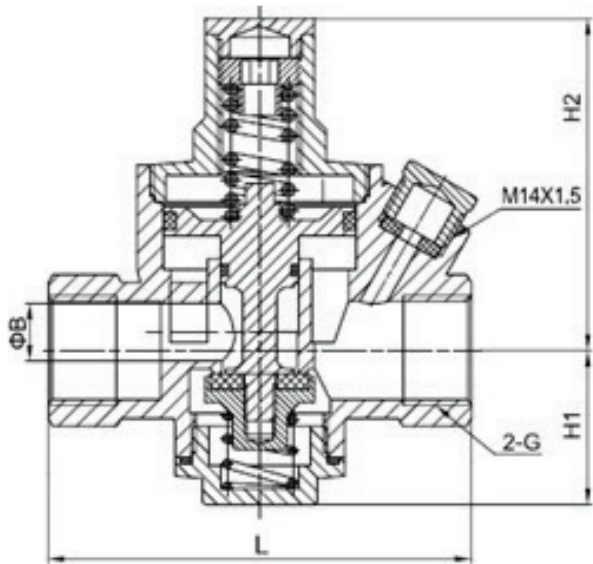
- Size Range: DN15 to DN50
- Nominal Pressure: 16 bar
- Working Medium: Water
- Working Temperature: 0° to 80° C
- Outlet Pressure: 1 bar to 5.5 bar
- Parallel Pipe Thread to ISO228
- Test Pressure (Hydrostatic) : Shell : 24 Bar

MATERIAL OF CONSTRUCTION

Sr.No.	Part	Material of Construction	Material Grade
1	Valve body	Forged Brass	HPb 59-2A
2	Gasket	Nitrile Rubber	NBR
3	Clack	Forged Brass	HPb 59-2A
4	Bottom Plug	Forged Brass	HPb 59-2A
5	Retaining Spring	Steel	1Cr18Ni9
6	O Ring	Nitrile Rubber	NBR
7	Piston	Forged Brass	HPb 59-2A
8	O Ring	Nitrile Rubber	NBR
9	O Ring	Nitrile Rubber	NBR
10	Adjustment Spring	Steel	1Cr18Ni9
11	Bonnet	Forged Brass	HPb 59-2A
12	Seat	Forged Brass	HPb 59-2A
13	End Shield	Plastic	ABS
14	Gasket	Nitrile Rubber	NBR
15	Plug	Forged Brass	HPb 59-2A



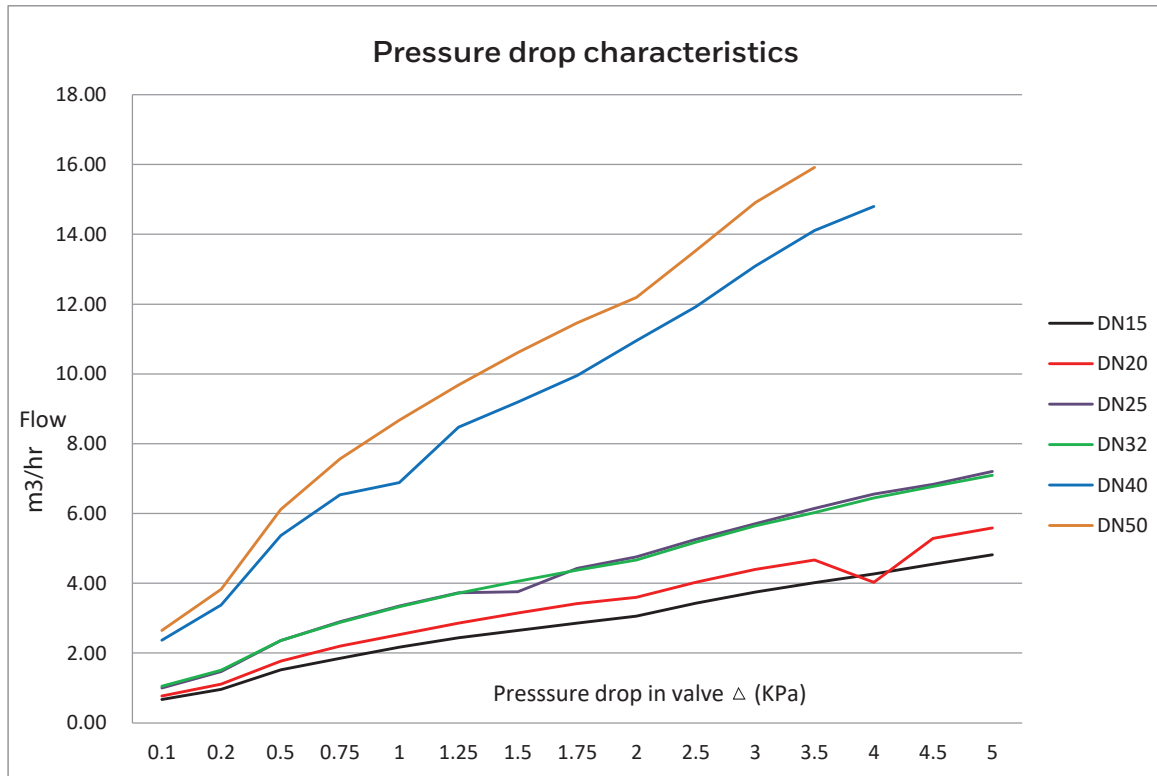
DIMENSIONS



SIZE MM (INCH)	B	L	H1	H2
15 (1/2")	11	78	29.5	63.5
20 (3/4")	12	78.5	30	63
25 (1")	15	85	35.5	76.7
32 (1 1/4")	18	85	37	76.7
40 (1 1/2")	22.5	103	47.5	101.8
50 (2")	28.5	120	54.5	122.7

PRESSURE DROP CHARACTERISTICS

PRESSURE DIFFERENCE (KPa)	FLOW (m ³ /h)	DN15	DN20	DN25	DN32	DN40	DN50
0.1		0.67	0.77	1.00	1.05	2.37	2.65
0.2		0.96	1.11	1.47	1.51	3.38	3.83
0.5		1.52	1.77	2.36	2.36	5.37	6.12
0.75		1.85	2.20	2.90	2.88	6.54	7.56
1		2.17	2.53	3.35	3.33	6.89	8.67
1.25		2.44	2.86	3.73	3.72	8.47	9.68
1.5		2.65	3.15	3.76	4.06	9.19	10.61
1.75		2.86	3.42	4.43	4.38	9.95	11.46
2		3.06	3.60	4.76	4.67	10.95	12.19
2.5		3.43	4.03	5.26	5.18	11.92	13.53
3		3.75	4.40	5.71	5.65	13.09	14.91
3.5		4.02	4.67	6.15	6.03	14.11	15.92
4		4.27	4.03	6.56	6.45	4.80	/
4.5		4.55	5.29	6.84	6.78	/	/
5		4.82	5.59	7.20	7.09	/	/



INSTALLATION GUIDELINES

- Horizontal and vertical installation position possible
- Install shut-off valves
- To guarantee perfect functioning, a filter must be inserted ahead of the pressure reducing valve
- Provide a straight section of pipework of at least valve times the nominal valve size after the pressure reducing valve (in accordance with EN 806-2)

For more information,

www.honeywellbuildings.in

Call: 000-8000-502167,

Email: enquiry.mms@honeywell.com, bmsindiatechsupport@honeywell.com

Honeywell HBT India Buildings

Unitech Trade Center, 5th Floor, Sector-43,
Block C, Sushant Lok Phase - I,
Gurgaon - 122 002.

IMPACT
by Honeywell