

PRESSURE REDUCING VALVE

Piston Type

APPLICATION

According to EN 806-2 pressure reducing valves of this type protect household water installations against excessive pressure from the supply. They can also be used for industrial or commercial applications within the range of their specification. By installing a pressure reducing valve, pressurization damage is avoided and water consumption is reduced.

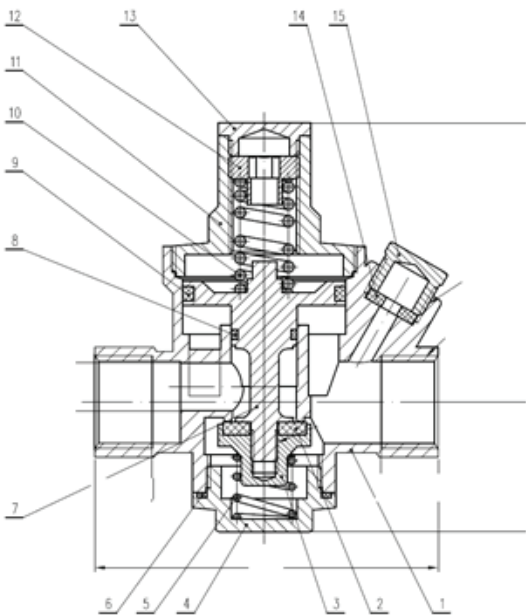
SPECIAL FEATURES

- Outlet pressure adjustable with adjusting screw
- The adjustment spring is not in contact with the drinking water
- Compact construction

TECHNICAL SPECIFICATIONS

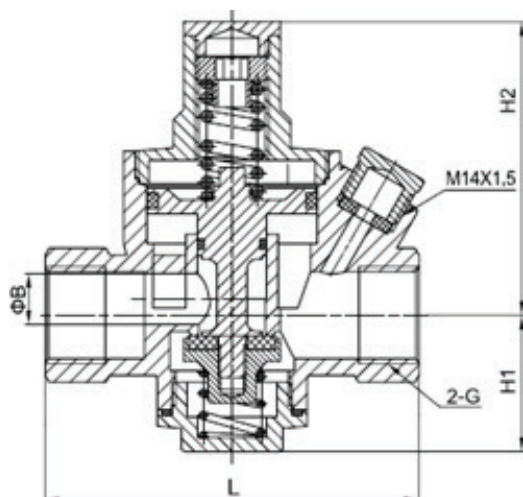
- Nominal Pressure: 16 bar
- Working Medium: Water
- Working Temperature: 0°C≤t≤80°C
- Outlet Pressure: 1 bar to 5.5 bar
- Parallel Pipe Thread to ISO228
- Available Sizes: DN15 to DN50

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

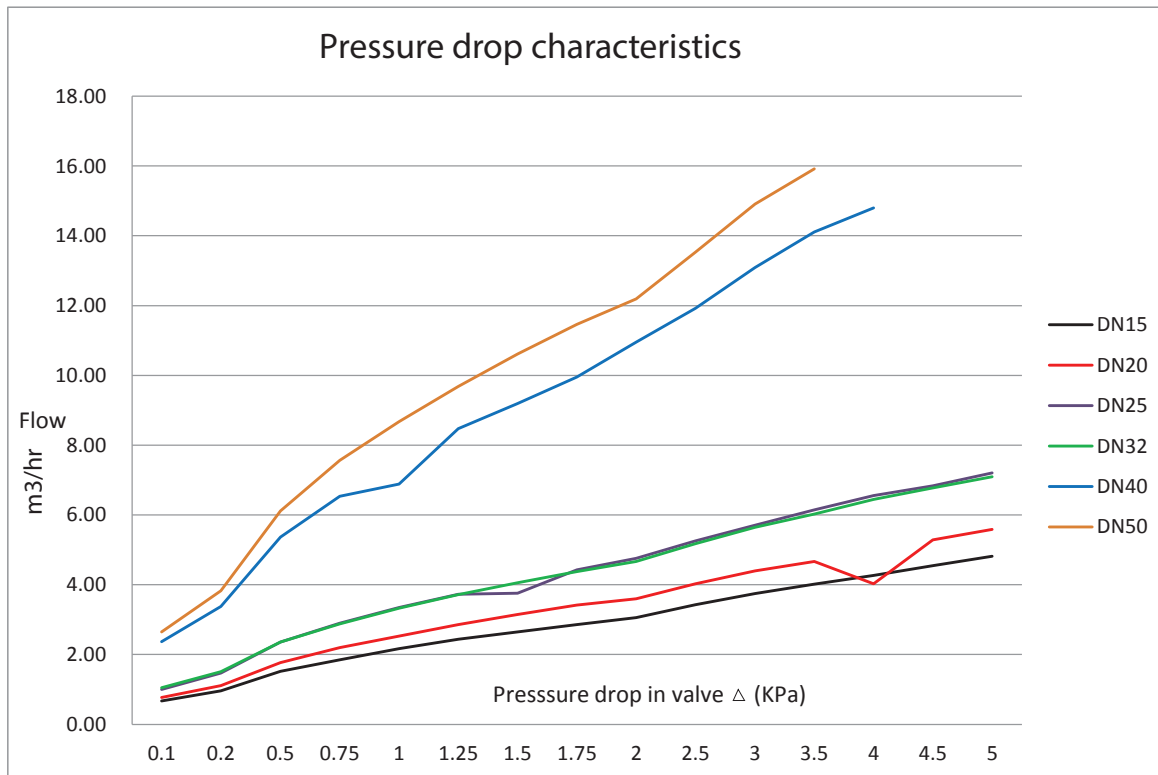
DIMENSIONS



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

PRESSURE DROP CHARACTERISTICS

Flow Pressure Difference	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	14.80	/
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 five times the nominal valve size after the pressure reducing valve (in accordance with EN 806-2)

ORDERING INFORMATION

Model No.	Description
D19-1/2E	Piston Type PRV, No fittings, DN15
D19-3/4E	Piston Type PRV, No fittings, DN20
D19-1E	Piston Type PRV, No fittings, DN25
D19-11/4E	Piston Type PRV, No fittings, DN32
D19-11/2E	Piston Type PRV, No fittings, DN40
D19-2E	Piston Type PRV, No fittings, DN50

For more information

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