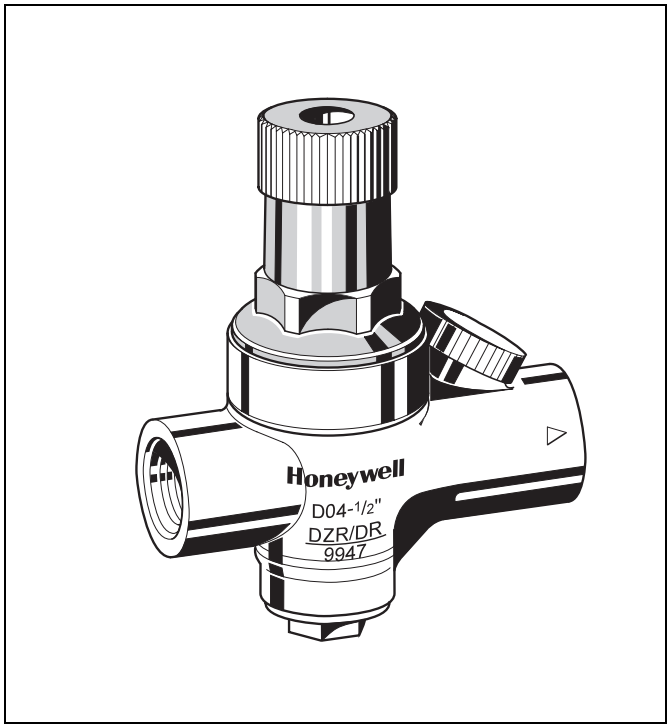
D04

Pressure Reducing Valve

Product specification sheet



Construction

The pressure reducing valve comprises:

- Housing with pressure gauge connection G1/4"
- Spring bonnet with adjustment opening
- Green adjustment knob
- Adjustment spring
- Pressure gauge not included (see accessories)

Materials

- Dezincification resistant brass housing
- High quality synthetic material spring bonnet
- Spring steel adjustment spring
- Fibre-reinforced NBR diaphragm
- NBR seals

Application

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, pressurisation damage is avoided and water consumption is reduced.

The set pressure is also maintained constant, even when there is wide inlet pressure fluctuation.

Reduction of the operating pressure and maintaining it at a constant level minimizes flow noise in the installation.

Special Features

- Good value
- Simple construction
- The adjustment spring is not in contact with the potable water
- Outlet pressure adjustable with green adjustment knob
- Inlet pressure balancing - fluctuating inlet pressure does not influence outlet pressure
- Light weight

Range of Application

Medium	Water
Inlet pressure	max. 16 bar
Outlet pressure	1.5-6 bar adjustable

Technical Data

Operating temperature	max. 70°C
Minimum pressure drop	1 bar
Connection size	1/2", 3/4"

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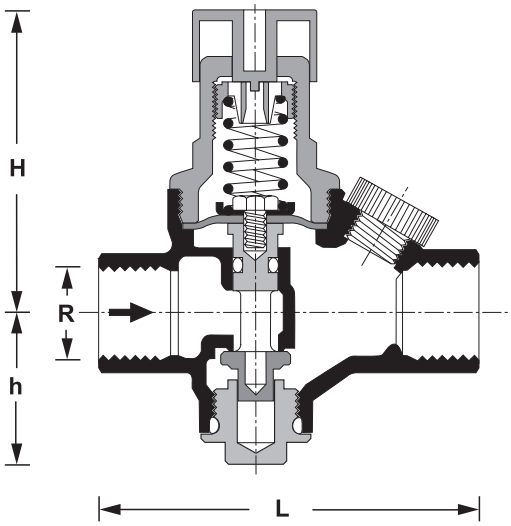

Connection size	R	1/2"	3/4"
Nominal size diameter	DN	15	20
Weight	kg	0.33	0.38
Dimensions	mm		
	L	83	90
	H	67.5	67.5
	h	33.5	33.5
k_{VS}-value	m^3/h	1.76	1.76

M39K

Method of Operation

Spring loaded pressure reducing valves operate by means of a force equalising system. The force of a diaphragm operates against the force of an adjustment spring. If the outlet pressure and therefore diaphragm force fall because water is drawn, the then greater force of the spring causes the valve to open. The outlet pressure then increases until the forces between the diaphragm and the spring are equal again.

The inlet pressure has no influence in either opening or closing of the valve. Because of this, inlet pressure fluctuation does not influence the outlet pressure, thus providing inlet pressure balancing.

Options

D04-... A = Standard Pattern

Connection size

Accessories

M39K Pressure Gauge

Housing diameter 63 mm, rear connection thread G1/4". Ranges: 0-4 bar, 0-10 bar
Please indicate upper value of pressure range when ordering

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