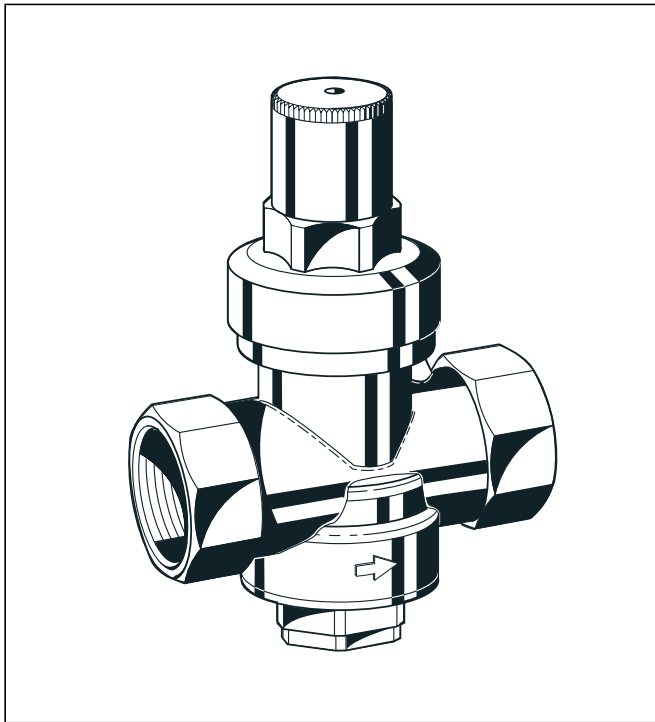




PROFIMANN

ТОВ "ОВК-СИСТЕМИ"
<https://profimann.com.ua>
order@profimann.com.ua
 +38 (067) 101-13-71
 м. Київ, вул. Сирецька, 9, БЦ "МАЯК"

D03**Pressure reducing valve****Product specification sheet****Construction**

The pressure reducing valve comprises:

- Housing with or without connection
- Spring bonnet
- Adjustment screw
- Adjustment spring
- Stem
- Seals

Materials

- Brass housing, nickel plated
- Brass spring bonnet, nickel plated
- Brass adjustment screw
- Spring steel adjustment spring, zinc plated
- Brass stem
- NBR seals

Application

D03 pressure reducing valves 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

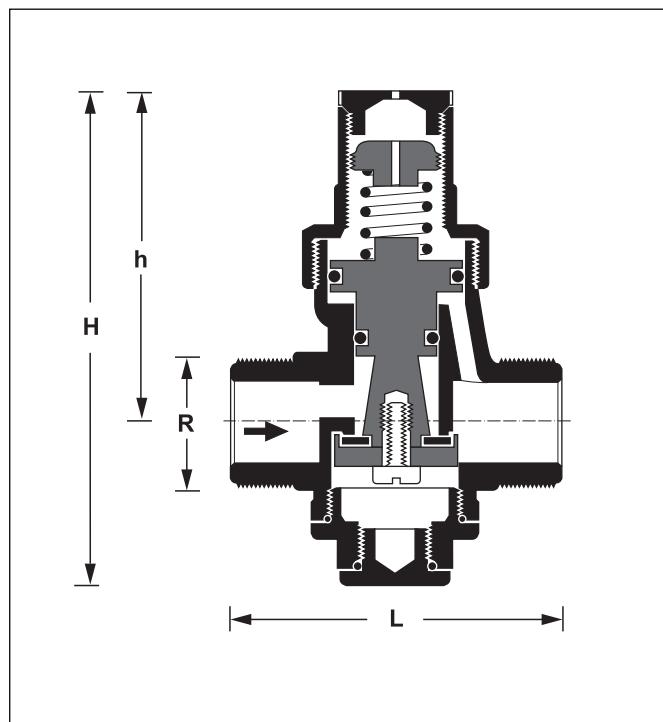
- Good value
- Simple construction
- Outlet pressure adjustable adjustment screw
- The adjustment spring is not in contact with the potable water
- Inlet pressure balancing - fluctuating inlet pressure does not influence outlet pressure
- Light weight
- Fullfill the requirements of ACS

Range of Application

Medium	Water
Inlet pressure	Maximum 10.0 bar
Outlet pressure	1.5 - 6.0 bar adjustable preset to 3 bar

Technical Data

Operating temperature	Maximum 70 °C
Minimum pressure drop	1.0 bar
Connection sizes	1/2" and 3/4"



Method of Operation

Spring loaded pressure reducing valves operate by means of a force equalising system. The force of a stem operates against the force of an adjustment spring. If the outlet pressure and therefore stem 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 stem 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

D03- ... A = Threaded male connections on both sides

D03- ... C = internal threads on both sides

D03- ... E = external threads on both sides

D03- ... K = Compressed fittings on both sides

D03- ... ZA = Inlet with external threads, outlet with threaded male connections

Connection size

Options		A		C		E		K		ZA	
Connection size	R	1/2"	3/4"	1/2"	3/4"	1/2"	3/4"	1/2"	3/4"	1/2"	3/4"
Nominal size	DN	15	20	15	20	15	20	15	20	15	20
Weight	approx. (g)	445	490	340	365	330	360	365	395	400	450
Dimensions	(mm)										
	L	110	119	59	63	59	63	59	63	73	77
	H	89	89	89	89	89	89	89	89	89	89
	h	59	59	59	59	59	59	59	59	59	59
kvs-value		1,73	1,73	1,73	1,73	1,73	1,73	1,73	1,73	1,73	1,73

Automation and Control Products

Honeywell GmbH
Hardhofweg
D-74821 Mosbach

Phone: (49) 6261 810
Fax: (49) 6261 81309