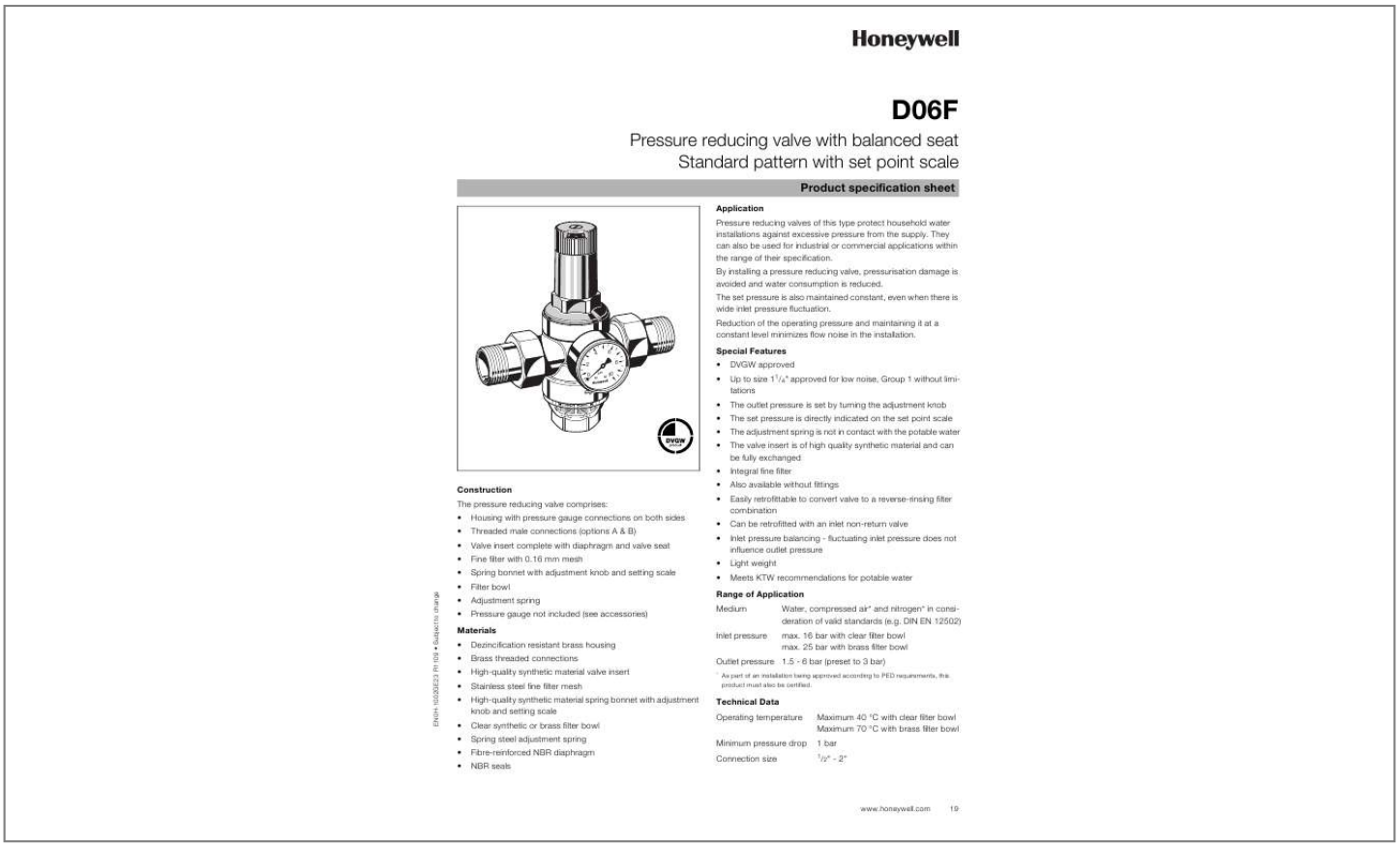

Honeywell

D06F

Pressure reducing valve with balanced seat
Standard pattern with set point scale

Product specification sheet

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

- DVGW approved
- Up to size $1^1/_4$" approved for low noise, Group 1 without limitations
- The outlet pressure is set by turning the adjustment knob
- The set pressure is directly indicated on the set point scale
- The adjustment spring is not in contact with the potable water
- The valve insert is of high quality synthetic material and can be fully exchanged
- Integral fine filter
- Also available without fittings
- Easily retrofittable to convert valve to a reverse-rinsing filter combination
- Can be retrofitted with an inlet non-return valve
- Inlet pressure balancing - fluctuating inlet pressure does not influence outlet pressure
- Light weight
- Meets KTW recommendations for potable water

Range of Application

Medium	Water, compressed air* and nitrogen* in consideration of valid standards (e.g. DIN EN 12502)
Inlet pressure	max. 16 bar with clear filter bowl max. 25 bar with brass filter bowl
Outlet pressure	1.5 - 6 bar (preset to 3 bar)

* As part of an installation being approved according to PED requirements, this product must also be certified.

Technical Data

Operating temperature	Maximum 40 °C with clear filter bowl Maximum 70 °C with brass filter bowl
Minimum pressure drop	1 bar
Connection size	$^3/_8$" - 2"

Construction

The pressure reducing valve comprises:

- Housing with pressure gauge connections on both sides
- Threaded male connections (options A & B)
- Valve insert complete with diaphragm and valve seat
- Fine filter with 0.16 mm mesh
- Spring bonnet with adjustment knob and setting scale
- Filter bowl
- Adjustment spring
- Pressure gauge not included (see accessories)

Materials

- Dezincification resistant brass housing
- Brass threaded connections
- High-quality synthetic material valve insert
- Stainless steel fine filter mesh
- High-quality synthetic material spring bonnet with adjustment knob and setting scale
- Clear synthetic or brass filter bowl
- Spring steel adjustment spring
- Fibre-reinforced NBR diaphragm
- NBR seals

ENGH-1050823 PI-104 • Subject to change

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Manual abstract:

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. 4 2 0 bar 6 8 10 Special Features · · · · · · · DVGW approved Up to size 11/4" approved for low noise, Group 1 without limitations The outlet pressure is set by turning the adjustment knob The set pressure is directly indicated on the set point scale The adjustment spring is not in contact with the potable water The valve insert is of high quality synthetic material and can be fully exchanged Integral fine filter Also available without fittings Easily retrofittable to convert valve to a reverse-rinsing filter combination Can be retrofitted with an inlet non-return valve Inlet pressure balancing - fluctuating inlet pressure does not influence outlet pressure Light weight Meets KTW recommendations for potable water Water, compressed air and nitrogen* in consideration of valid standards (e.g. DIN EN 12502) max. 16 bar with clear filter bowl max. 25 bar with brass filter bowl Construction The pressure reducing valve comprises: · · · · · EN0H-1002GE23 R1109 · Subject to change · · · · · · Housing with pressure gauge connections on both sides Threaded male connections (options A & B) Valve insert complete with diaphragm and valve seat Fine filter with 0.16 mm mesh Spring bonnet with adjustment knob and setting scale Filter bowl Adjustment spring Pressure gauge not included (see accessories) Dezincification resistant brass housing Brass threaded connections High-quality synthetic material valve insert Stainless steel fine filter mesh High-quality synthetic material spring bonnet with adjustment knob and setting scale Clear synthetic or brass filter bowl Spring steel adjustment spring Fibre-reinforced NBR diaphragm NBR seals · · · · · · · · · · · · Range of Application Medium Inlet pressure Materials Outlet pressure 1.5 - 6 bar (preset to 3 bar) * As part of an installation being approved according to PED requirements, this product must also be certified. Technical Data Operating temperature Minimum pressure drop Connection size Maximum 40 °C with clear filter bowl Maximum 70 °C with brass filter bowl 1 bar 1/ " 2 - 2" www.*

honeywell.com 19 D06F Pressure reducing valve with balanced seat 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. @@@@@@@@Options D06F-.. . @@@@@@Ranges: 0 - 4, 0 - 10, 0 - 16 or 0 - 25 bar. @@@@@@Pressure reducing valves can also be used for industrial and commercial applications within the range of their specifications. Pressure reducing valves should be installed: · · If the static pressure exceeds the maximum permissible value for the system As protection against noise if the static pressure at take off points exceeds 5.0 bar (DIN 4109: Noise protection in high buildings) If several pressure zones are required when a pressurisation system is used (pressure reducers on each storey of a building) If pressure fluctuations in the downstream system must be avoided To achieve constant inlet and outlet pressures on pumped pressure boosting systems · · · · · Flow Diagram EN0H-1002GE23 R1109 · Subject to change [l/s] [m3/h] 50 10 5 10 5 1 0,5 1 0,5 0,1 R 11/2" R 2" R 11/4" R 1" R 3/4" R 1/2" Flow V 0,1 0,01 Pressure drop in valve p [bar] 0,05 0,1 0,5 1 5 10 www.

honeywell.com 21 D06F Pressure reducing valve with balanced seat Spare Parts Pressure Reducing Valve D06F, from 1997 onwards 1 No. Description 1 Spring bonnet complete Dimension 1/ " + 3/ " 2 4 1" + 11/4" 11/2" + 2" Part No. @@.