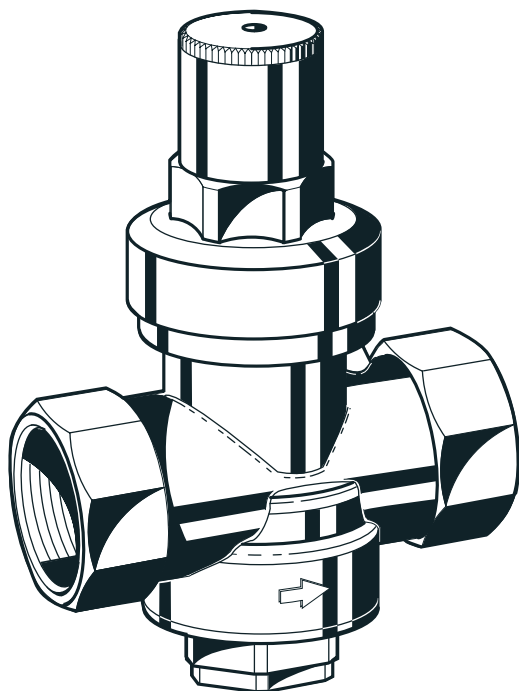


D03

Einbauanleitung • Installation instructions • Notice de montage
Installatiehandleiding • Istruzioni di montaggio • Instrucciones de montaje
Инструкция по монтажу



Druckminderer
Pressure reducing valve
Détendeur régulateur manométrique
Drukreduceerklep
Riduttore di pressione
Estrangulador de presión
Редуктор давления

1. Safety Instructions

- Follow the installation instructions.
- Use the appliance
 - according to its intended use
 - in good condition
 - with due regard to safety and risk of danger
- Note that the appliance is exclusively for use in the applications detailed in these installation instructions. Any other use will not be considered to comply with requirements.
- All assembly operations should be carried out by competent and authorised personnel.
- Immediately rectify any malfunctions which may influence safety.

2. Functional description

The pressure reducing valve reduces the pressure on the inlet side (admission pressure) to the level of the desired pressure on the outlet side (outlet pressure) in individual cases.

The pressure reducing valve functions on a force equalisation principle. The piston pressure counteracts the spring pressure of the regulatory valve. If the outlet pressure and therefore piston pressure fall because water is drawn, the force of the spring is then greater and causes the valve to open. The outlet pressure then increases until the forces between the piston and the spring are equal again. Inlet pressure fluctuation does not influence the outlet pressure, thus providing inlet pressure.

3. Application

Medium	Water
Admission pressure	max. 10 bar
Outlet pressure	1.5-6 bar

4. Technical data

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

5. Scope of delivery

The pressure reducing valve consists of:

- Housing
- Screw connections depending on option
- Spring hood with adjustment screw
- Adjustment spring
- Piston
- Spindle
- Seals

6. Assembly

6.1 Installation

It is necessary during installation to follow the installation instructions, to comply with local requirements and to follow the codes of good practice.

The installation location should be protected against frost and be easily accessible.

Shutoff valves should be fitted on each side of the pressure reducing valve.

The device downstream should be protected by means of a safety valve (installed downstream of the pressure reducing valve).

6.2 Assembly instructions

- Thoroughly flush pipework.
- Install pressure reducing valve.
 - Install in horizontal pipework with spring hood directed upwards
 - Note flow direction (indicated by arrow)
 - provide a straight section of pipework of at least
 - five times the nominal valve size after the filter combination
- Setting outlet pressure (see chapter 7).

7. Commissioning

7.1 Setting outlet pressure



- The adjustment scale is set to 3,0 bar outlet pressure during manufacture



- Admission pressure should be approx. 1 bar higher than the outlet pressure that has been set

- Close shut off valve on inlet.
- Release pressure on outlet side (e.g. through water tap).
- Close shut off valve on outlet.
- Fit manometer.
- Unscrew the knurled nut from the spring hood.
- Remove the adjustment screw using a screwdriver.
 - Slowly open shut off valve on inlet.
 - Tighten the adjustment screw with the screwdriver until the manometer displays the required value.
 - Screw the knurled nut back on to the spring hood.
- Slowly open shut off valve on outlet.
- Pressure reducing valve is now ready for use.

8. Maintenance



- No maintenance work is required

9. Disposal

The pressure reducing valve consists of:

- Brass
- Steel
- Plastic



- Observe the local requirements regarding correct waste recycling/disposal!