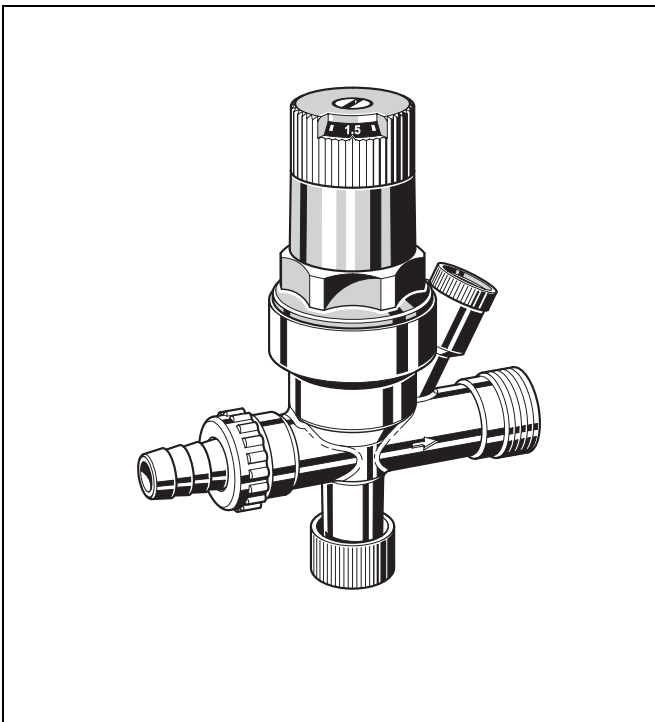


## VF06

### Filling valve for closed heating systems

#### Product specification sheet



#### Construction

The filling valve comprises:

- Housing
- Spring bonnet with setting scale
- Spring
- Valve insert
- Check valve cartridge
- Shutoff insert with knurled knob

#### Materials

- Brass housing, dezincification resistant
- High grade, heat resistant synthetic material spring bonnet
- Spring steel adjustment spring
- High-quality, high-temperature resistant synthetic material check valve cartridge
- Fibre-reinforced NBR diaphragm
- NBR seals

#### Application

The VF06 filling valve permit simple and safe filling or refilling of a closed heating system.

A pressure reducing valve, a check valve and a shutoff facility are combined in one unit. The pressure gauge connection enables fitting of a pressure gauge (available as an accessory) to provide accurate checking of the pressure of a system after filling.

#### Special Features

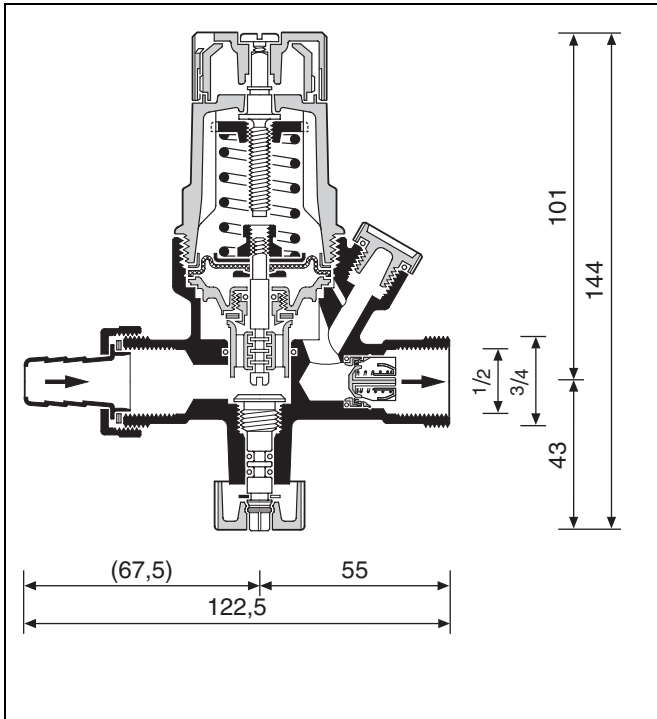
- Housing with internal and external threads
- A turn of the adjuster knob is all that is required to set the differential pressure required
- The setting is directly read on the indicator scale
- Completly replaceable high grade synthetic material insert
- DIN/DVGW approved check valve
- Balanced-seat pressure reducing valve - inlet pressure fluctuations do not influence outlet pressure
- Integral shutoff facility
- Alternative connections

#### Range of Application

Closed heating systems to DIN 4751

#### Technical Data

Operating temperature	max. 40°C accord. to DIN EN 1567 max. 70°C (max. operating pressure 10 bar)
Inlet pressure	max. 16 bar
Outlet pressure	0.5 bar to 3.0 bar adjustable Set during manufacture to 1.5 bar
Connections	Inlet R <sup>1</sup> / <sub>2</sub> " internal and R <sup>3</sup> / <sub>4</sub> " external threads Outlet R <sup>1</sup> / <sub>2</sub> " internal and R <sup>3</sup> / <sub>4</sub> " external threads



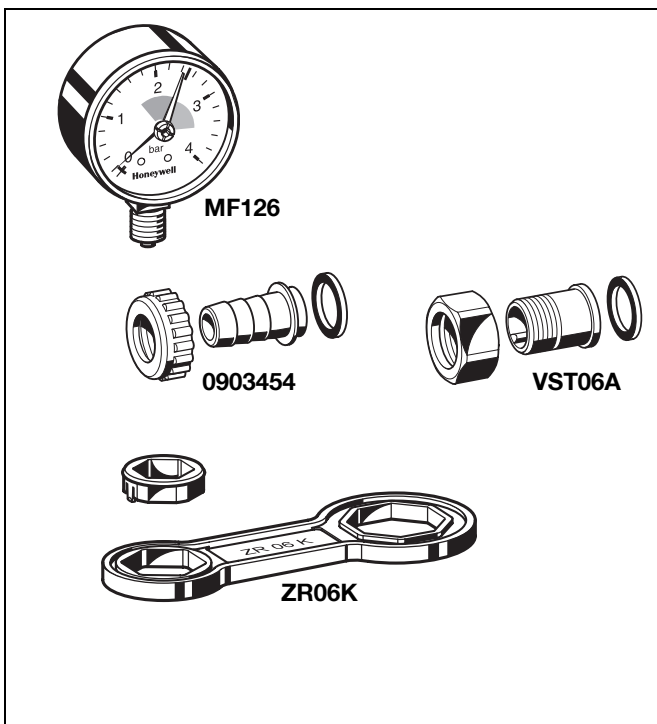
### Method of Operation

The integral pressure reducing valve operates by means of a force equalising system. The force of a diaphragm operates against the force of an adjustment spring. The inlet pressure does not influence either opening or closing of the valve. Inlet pressure fluctuations do not therefore influence the outlet pressure, thus providing inlet pressure compensation. An integral check valve protects the drinking water supply by allowing water to pass through in only one direction. In the flow direction, a seal disc is pushed open against the force of a spring by differential pressure. Am nachrüstbaren Manometer kann der Anlagendruck nach dem Befüllen der Anlage kontrolliert werden.

### Options

VF06-...A = With hose union connector

VF06-...B = With threaded union connector



### Accessories

#### MF126-A4 Pressure gauge

Housing diameter 63 mm, connection thread G 1/4", range 0 - 4 bar, with red hand at 1.5 bar, red mark at 2.5 bar and green field between 1.5 and 2.5 bar

#### 0903454 Hose connector union complete

With hose connector union, screw and gasket ring

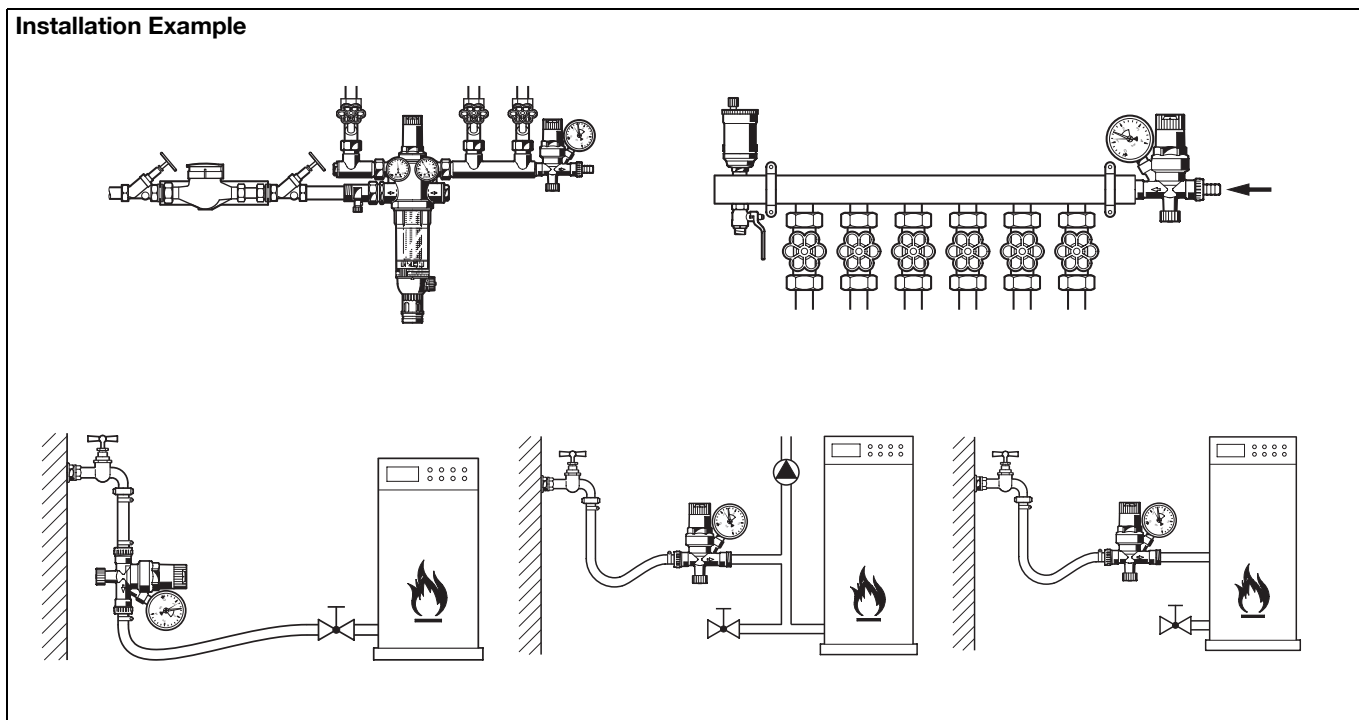
#### VST06-1/2A Connection set

With threaded union connector, screw and gasket ring

#### ZR06K Double ring wrench

For removal of spring bonnet

### Installation Example



### Installation Guidelines

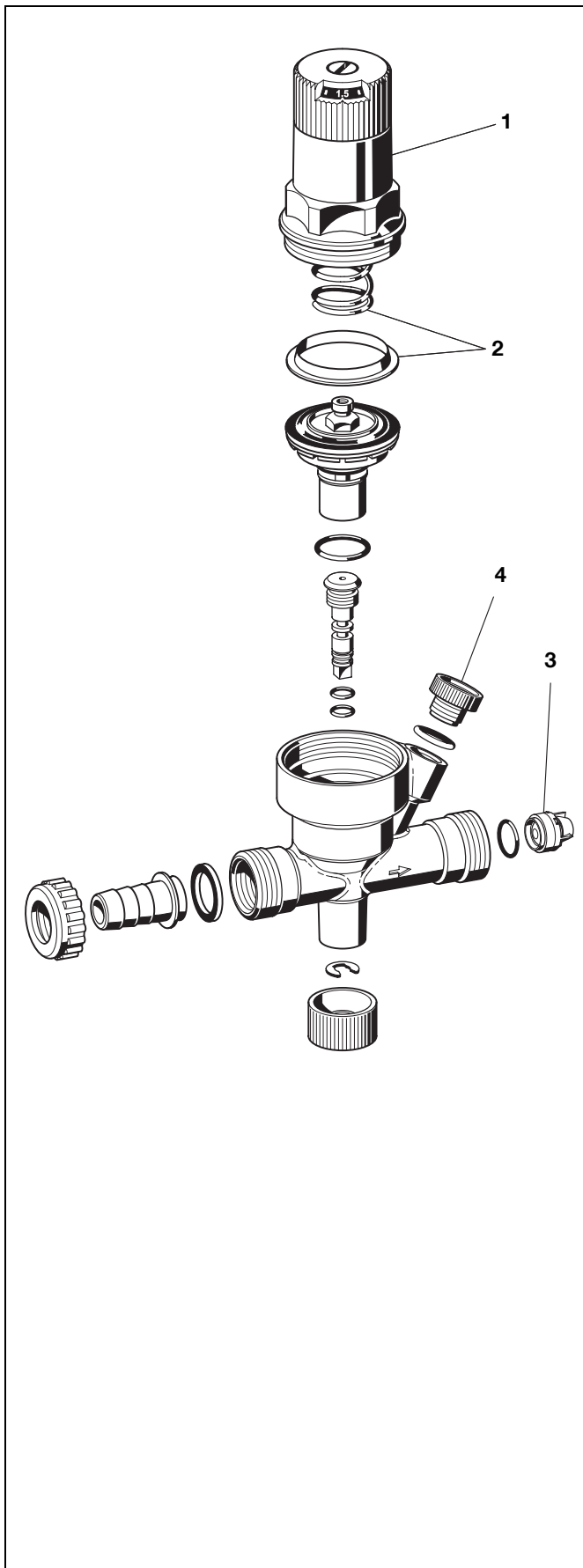
- Outlet pressure set during manufacture to 1.5 bar
  - o other values for outlet pressure to be set with adjuster knob
- Disconnect hose connection from filling valve after filling
- Check system pressure after every filling or refilling
- Ensure good accessibility
  - o Simplifies maintenance and inspection

### Typical Applications

The VF06 filling valve permit simple and safe filling or refilling of a closed heating system.

Filling valves can be installed:

- In combination with a water supply distributor manifold
- Onto a heating circuit distributor manifold
- On a heating boiler via a fill hose
- In the supply to a heating boiler
- Directly onto a heating boiler
- As a filling set for trouble-free and safe initial filling of a system



### Spare Parts

#### Filling valve VF06, 1998 onwards

No.	Description	Dimension	Part No.
1	Spring bonnet complete		0903445
2	Valve insert complete (filter not incl.)	1/2" + 3/4"	D06FA-1/2
3	Check valve		2166200
4	Blanking plug with O-ring R1/4" (5 pcs.)		S06K-1/4

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