

# Globo S



## **Ball valves**

Solar ball valve made of gunmetal for high operating temperatures

# Globo S

Globo S is used as a versatile shut-off element in for example, solar, industrial and district heating systems. Also for other applications requiring a higher operating temperature, as with solid fuel boilers Globo S is suitable. Thanks to the compact working radius of the operating toggle, the Globo S is the ideal valve for adjacent installation on distributors.

## Key features

- > **The body and the ball are made of corrosion-resistant gunmetal**
- > **Operating toggle is outside the pipe insulation**
- > **Tubular body, ideal for continuous pipe insulation**
- > **DN 15-32 suitable for M106 actuator**



## Technical description

### Application:

Solar, industrial and district heating systems.

### Functions:

Shut-off:  
Operating toggle which can be dismantled, made of shock resistant plastic with small projection. Since the toggle stop is hidden, there is no danger of injury.

### Dimensions:

Versions with female thread from DN 15 to DN 32 and with pump connection DN 25.

### Pressure class:

PN 16

### Temperatur:

Permissible operating temperature TB 150 °C, intermittent to 170 °C.

### Material:

The body and the ball are made of corrosion-resistant gunmetal. Ball with smooth straight bore. Maintenance-free spindle sealing by two O-rings made of EPDM. Ball seal made of pure PTFE.

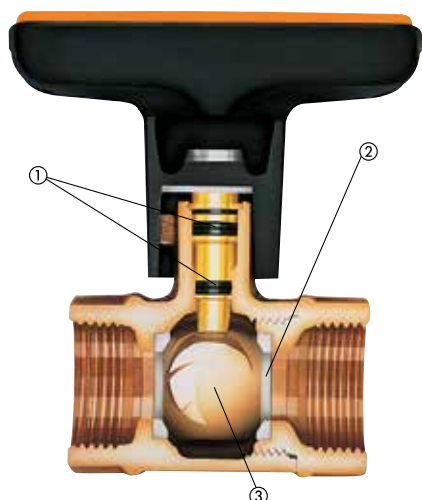
### Media:

Water or neutral fluids, water-glycol mixtures (0-50%).

### Actuators:

DN 15 - 32 suitable for M106 actuators.  
Article No:  
230 V: 0600-00.700  
24 V: 0600-01.700

## Construction



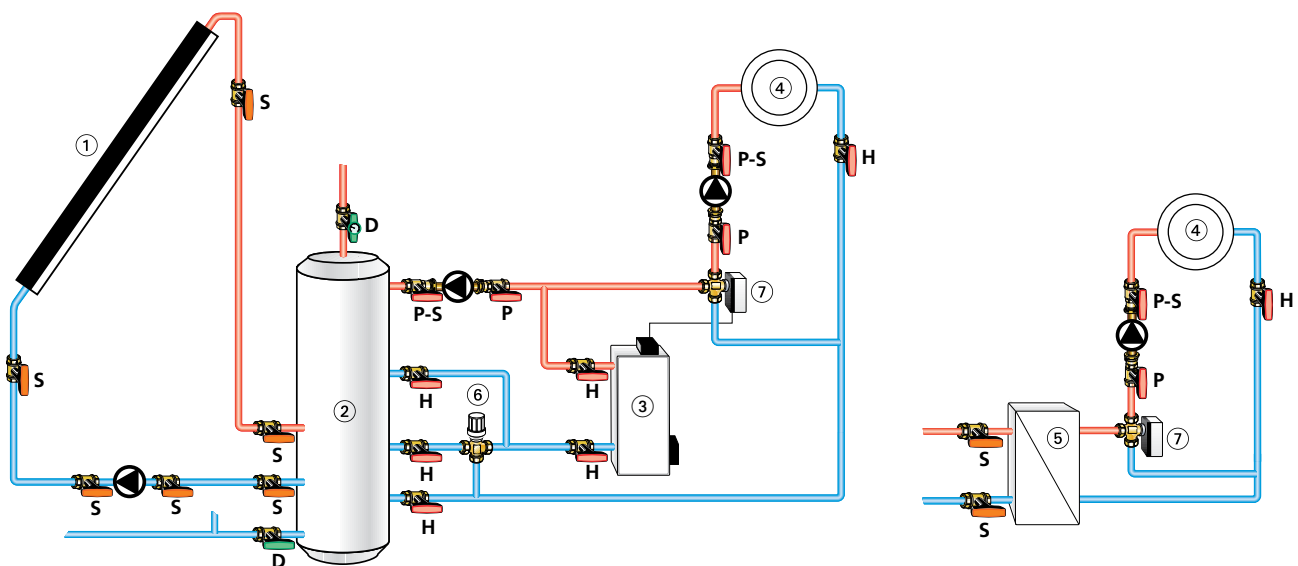
1. Spindle sealing with two O-rings
2. Ball seal made of pure PTFE
3. Solid gunmetal ball

## Application

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The Globo S ball valve prevents heat loss as required by the respective energy saving ordinance. This requirement can be easily met by the use of heat insulation shells or with straight pipe insulation in view of the tube-shaped valve body. The operating toggle is located outside the heat insulation.

### Sample application



1. Solar collector
2. Combined solar storage tank
3. Boiler
4. Heating circuit
5. Heat exchanger / District heating
6. Three-way mixing valve with thermal actuator EMO T (NO) for heating support
7. Three-way mixing valve with motorized actuator EMO 3 / 230

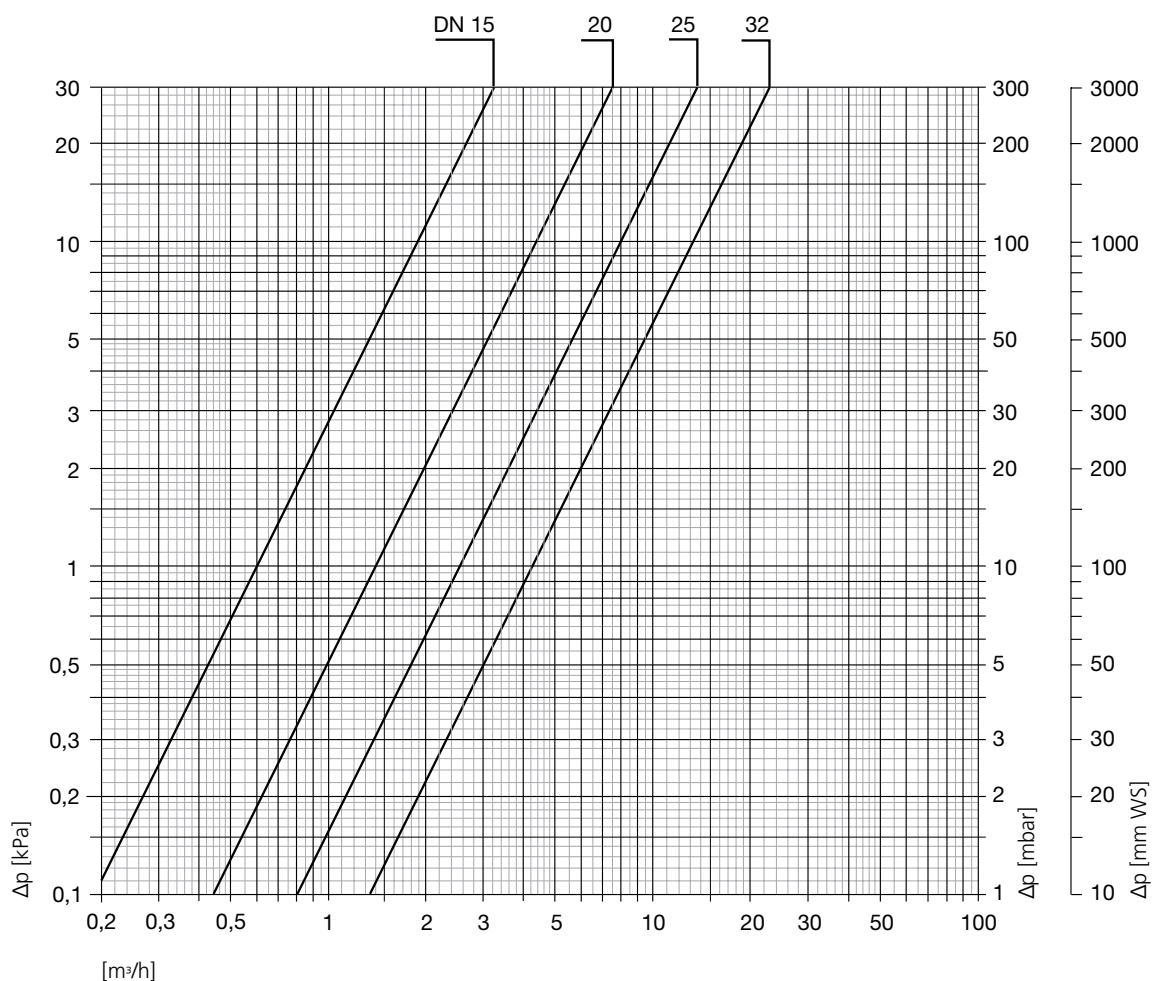
S = Globo S  
H = Globo H  
P = Globo P  
P-S = Globo P-S  
D = Globo D

### Note

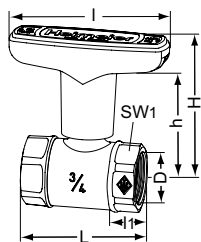
To avoid damage and the formation of scale deposit in the hot water heating system, the composition of the heat transfer medium should be in accordance with the VDI guideline 2035. For industrial and long-distance energy systems, see the applicable codes VdTÜV and 1466/AGFW FW 510. Any mineral oils contained in the heat transfer medium and lubricants containing mineral oil can have seriously negative effects on the source apparatus and usually lead to the disintegration of EPDM seals.

When using nitrite-free frost and corrosion resistance solutions with an ethylene glycol base, pay close attention to the details outlined in the manufacturers' documentation, particularly details concerning concentration and specific additives.

## Diagram

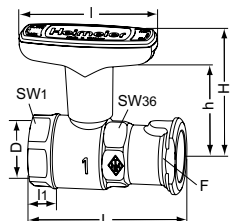


## Articles



### With female thread

| DN | D        | L    | I  | I1   | H    | h    | Kvs  | EAN           | Artikel-Nr. |
|----|----------|------|----|------|------|------|------|---------------|-------------|
| 15 | Rp 1/2   | 56,0 | 81 | 10,0 | 69,0 | 54,0 | 6,0  | 4024052601110 | 0645-02.000 |
| 20 | Rp 3/4   | 58,5 | 81 | 11,0 | 72,0 | 55,5 | 14,0 | 4024052601219 | 0645-03.000 |
| 25 | Rp 1     | 67,5 | 81 | 13,0 | 74,5 | 58,0 | 25,0 | 4024052601318 | 0645-04.000 |
| 32 | Rp 1 1/4 | 76,5 | 81 | 13,5 | 78,0 | 61,5 | 42,0 | 4024052601417 | 0645-05.000 |



### With pump connection

| DN | D    | L1 | I  | I1   | H    | h    | Kvs  | EAN           | Article No  |
|----|------|----|----|------|------|------|------|---------------|-------------|
| 25 | Rp 1 |    | 81 | 13,0 | 74,5 | 58,0 | 25,0 | 4024052775118 | 0646-04.000 |

SW1: DN 15 = 27 mm, DN 20 = 32 mm, DN 25 = 39 mm, DN 32 = 50 mm

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