Climate
Control

IMI Heimeier

Globo S

Ball valves

Solar ball valve made of gunmetal for high operating temperatures

Breakthrough
engineering for
a better world

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

Body and ball made of corrosion-resistant gunmetal

Operating toggle 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:
DN 15 - DN 32.

Pressure class:
PN 16

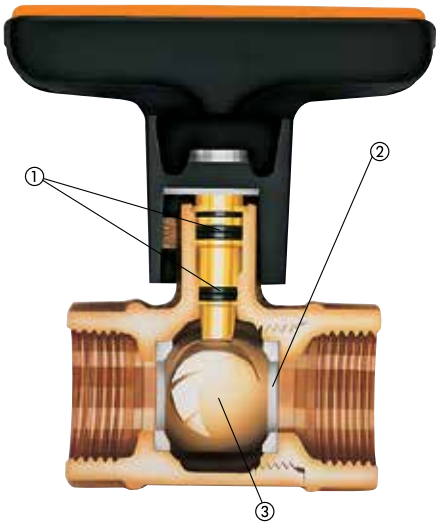
Temperature:
Permissible operating temperature TB -10 °C – 150 °C, intermittent to 170 °C.

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

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 sealing from pure PTFE.

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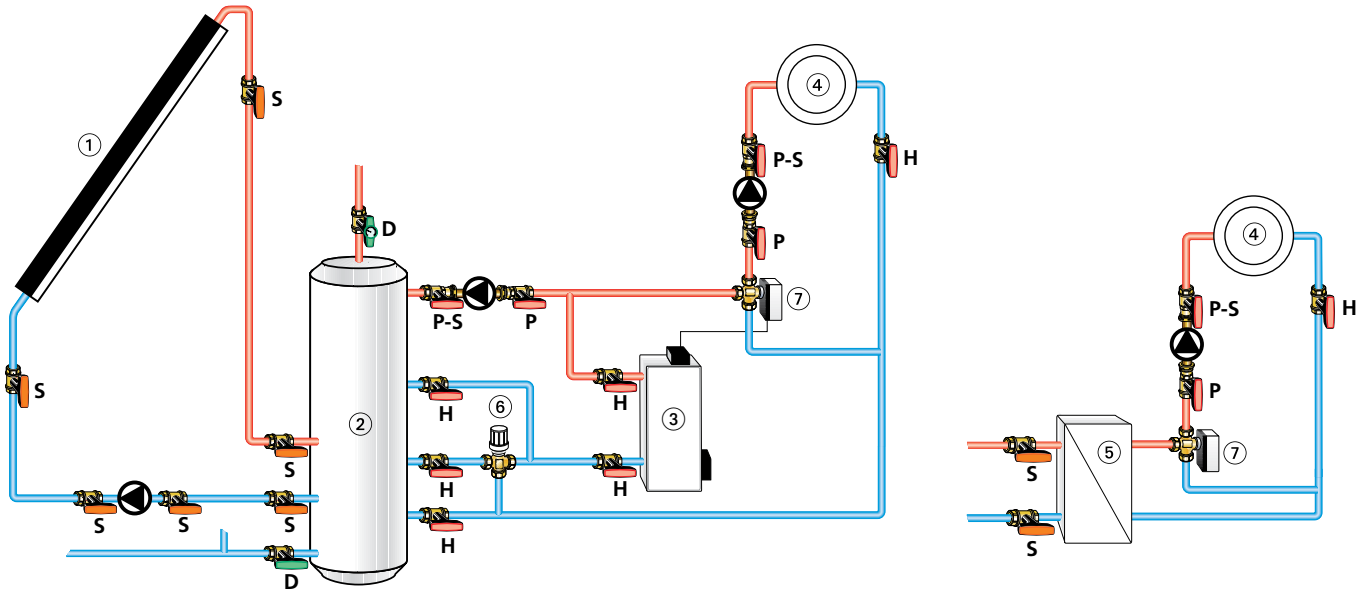
The Globo S ball valve prevents heat loss as required by the respective energy saving ordinance. This requirement can be easily met by the use of heat insulation shells or with straight pipe insulation in view of the tube-shaped valve body.
The operating toggle is located outside the heat insulation.

Application example



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 TA-TRI

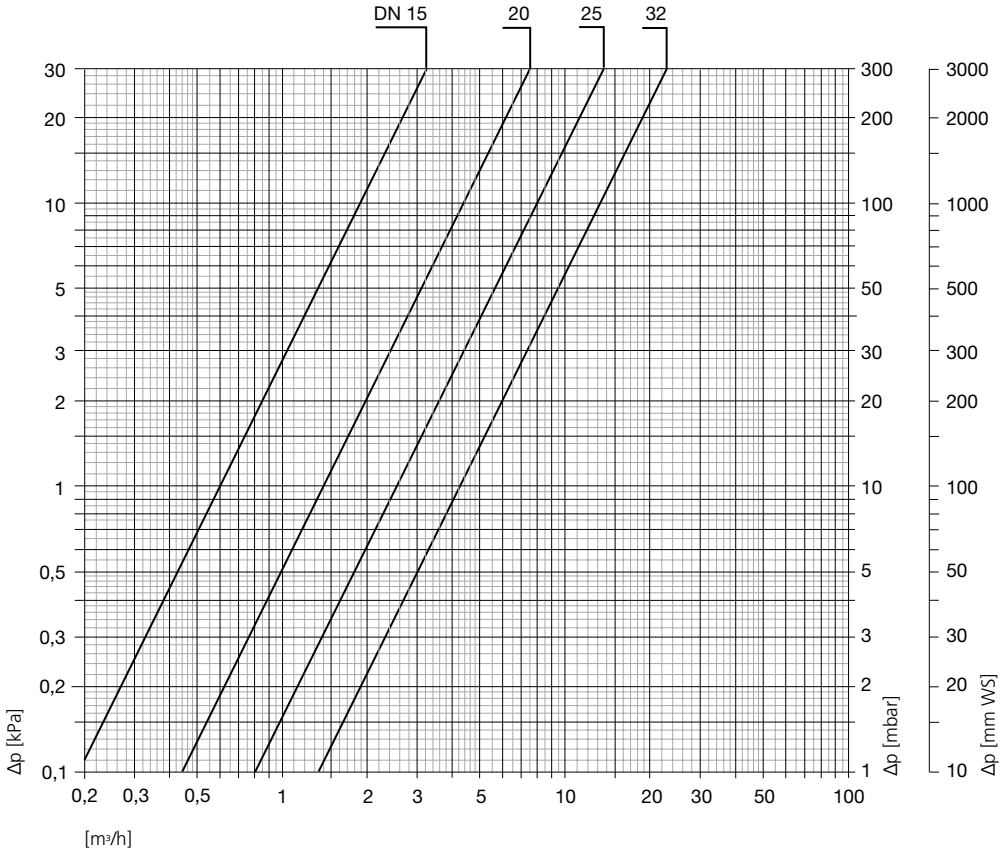
S = Globo S
H = Globo H
P = Globo P
P-S = Globo P-S
D = Globo D

Notes

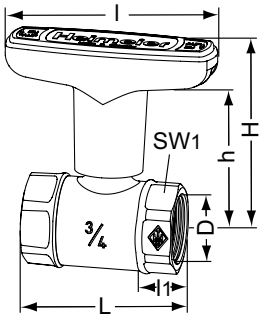
To avoid damage and the formation of scale deposit in the hot-water heating system, the composition of the heat transfer medium should be in accordance with the VDI guideline 2035. For industrial and long-distance energy systems, see the applicable codes VdTÜV and 1466/AGFW FW 510.
A heat transfer medium containing mineral oils, or any type of lubricant containing mineral oil can have extremely negative effects 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 concerning concentration and specific additives.

Diagram



Articles



With internal thread

DN	D	L	l	l1	H	h	Kvs	EAN	Article No
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

SW1: DN 25 = 36 mm, DN 32 (1 1/4 x 1 1/4) = 41 mm, DN 32 (1 1/4 x 1) = 36 mm