# Globo H

## Gunmetal ball valve





press LINE

To be precise.

Heimeier

# Globo H

## Description

HEIMEIER heating ball valve which is specifically designed to cope with heating technology requirements. The body and the ball are made of corrosion-resistant gunmetal. Ball with smooth straight bore.

Versions with female thread from DN 10 to DN 50 and with male/female thread from DN 15 to DN 32. Flat-sealing male thread.

Versions with Viega press connection with SC-Contur from DN 15 to DN 32 are suitable for copper, Viega Sanpress stainless steel and Prestabo steel pipes.

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.

Thermometer, retrofittable by simply replacing the red closing cap in the operating toggle, see accessories.

Maintenance-free spindle sealing by two O-rings made of EPDM. Ball seal made of pure PTFE.

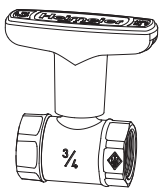
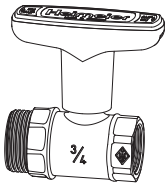
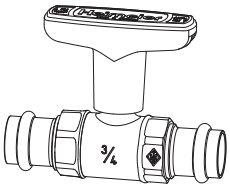
Heat insulation shells for versions with female thread and press connection, consisting of two interlocked half shells, available as accessory.

## Assembly

**Globo H**


- **The body and the ball are made of corrosion-resistant gunmetal**
- **Thermometer as accessory**
- **Version with male/female thread**
- **Tubular body, ideal for continuous pipe insulation**
- **Operating toggle is outside the pipe insulation**
- **Toggle with small projection, e. g. for installation onto manifolds**
- **Maintenance-free spindle sealing with two O-rings**
- **Also available in Press-Line version with Viega SC-Contur**

## Article numbers

| Illustration | DN | kvs-value [m³/h] | Art. no. |
|---|---|---|---|
| **Globo H**<br>With female thread<br>  | 10 (R 3/8 x R 3/8) | 6,0 | **0600-01.000** |
| | 15 (R 1/2 x R 1/2) | 6,0 | **0600-02.000** |
| | 20 (R 3/4 x R 3/4) | 14,0 | **0600-03.000** |
| | 25 (R 1 x R 1) | 25,0 | **0600-04.000** |
| | 32 (R 1 1/4 x R 1 1/4) | 42,0 | **0600-05.000** |
| | 40 (R 1 1/2 x R 1 1/2) | 65,0 | **0600-06.000** |
| | 50 (R 2 x R 2) | 100,0 | **0600-08.000** |
| **Globo H**<br>With male/female thread<br>  | 15 (G 3/4 x R 1/2) | 6,0 | **0601-02.000** |
| | 20 (G 1 x R 3/4) | 14,0 | **0601-03.000** |
| | 25 (G 1 1/4 x R 1) | 25,0 | **0601-04.000** |
| | 32 (G 1 1/2 x R 1 1/4) | 42,0 | **0601-05.000** |
| **Globo H**<br>With Viega press connection with SC-Contur<br>  | 15 (15 mm x 15 mm) | 6,0 | **0602-15.000** |
| | 20 (22 mm x 22 mm) | 14,0 | **0602-22.000** |
| | 25 (28 mm x 28 mm) | 25,0 | **0602-28.000** |
| | 32 (35 mm x 35 mm) | 42,0 | **0602-35.000** press LINE |

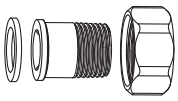
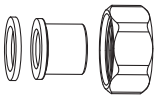
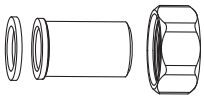
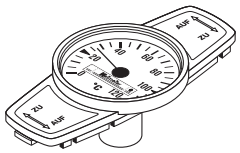
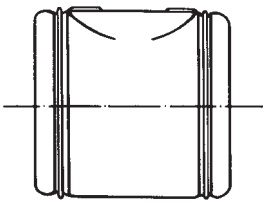
Permitted operating temperature TB 120°C (248°F), with press connection TB 110°C (248°F).
Maximum allowable working pressure PB 10 bar.

Formula:

$$C_v = \frac{k_v}{0{,}86}$$

$$k_v = C_v \cdot 0{,}86$$

# Accessories

| Illustration | Description | | | Art. no. |
|---|---|---|---|---|
|  | **Screw connections**<br>Flat-sealing, for Globo H with male thread. | DN-Globo | Ø | |
| | **With threaded nipple** | 15 | R 1/2 | **0601-02.350** |
| | | 20 | R 3/4 | **0601-03.350** |
| | | 25 | R 1 | **0601-04.350** |
| | | 32 | R 1 1/4 | **0601-05.350** |
|  | **With soldered nipple** | 15 | 15 | **0601-15.352** |
| | | 15 | 16 | **0601-16.352** |
| | | 15 | 18 | **0601-18.352** |
| | | 20 | 22 | **0601-22.352** |
| | | 25 | 28 | **0601-28.352** |
| | | 32 | 35 | **0601-35.352** |
|  | **With welded nipple** | 15 | 20,8 | **0601-02.353** |
| | | 20 | 26,8 | **0601-03.353** |
| | | 25 | 33,2 | **0601-04.353** |
| | | 32 | 41,8 | **0601-05.353** |
|  | **Thermometer**<br>to replace by changing the red closing cap.<br>Temperatur range from 0 °C to 120 °C. | **red** | DN 10 to DN 32 | **0600-00.380** |
| | | | DN 40, DN 50 | **0600-06.380** |
| | | **blue** | DN 10 to DN 32 | **0600-01.380** |
| | | | DN 40, DN 50 | **0600-07.380** |
|  | **Heat insulating shell for HEIMEIER Globo H with female thread and press connection**<br><br>Manufacturer and Sales e. g.:<br><br>GWK-Kuhlmann GmbH<br>Franz-Kleine-Straße 16<br>D-33154 Salzkotten<br>Telephone +49 (0) 52 58/98360<br>Fax +49 (0) 52 58/983649<br><br>Comfort-Dämmtechnik GmbH<br>Dieselweg 2<br>D-48493 Wettringen<br>Telephone +49 (0) 25 57/92 99 90<br>Fax +49 (0) 25 57/92 99 99 | | | |

# Application

HEIMEIER Globo H is used as a versatile shut-off element in pump hot-water heating systems.

Thanks to the compact working radius of the operating toggle, the Globo H is the ideal valve for adjacent installation on distributors.

The heating ball valve prevents heat loss as required by the respective energy saving ordinance. On versions with female thread and press connection, 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 bodie. The operating toggle is located outside the heat insulation.

The version with male/female thread makes it possible to make a detachable joint using suitable HEIMEIER screw connections with a threaded, soldered or welded nipple. The male thread is also suitable for the use of other flat-sealing screw connections with direct press, clamping or slide joint.

## Press-Line Connection with Viega SC-Contur

Globo H ball valves with Viega press connection are suitable for copper pipes conforming to EN 1057 as well as Viega Sanpress stainless steel and Prestabo steel pipes.

All press connections as well as the valve bodies are made of corrosion-resistant, dezincification-free gunmetal.

Since this is a Viega press connection, all suitable Viega press-fitting jaws can be used. This means there is no need to purchase costly press-fitting tools and jaws.

The pressing action is produced by a formed hexagon recess before and after the beading of the connector and gives the press-fitted joint the necessary strength. In addition, the press-fitting beading is specifically formed such as to give the high-grade EPDM sealing element its defined shape.

In the interest of safety, the press connections are equipped with SC-Contur (SC = safety connection) which makes it possible to detect non-pressed joints by visible leaks when filling the system. During the press-fitting operation, the SC-Contur is practically reformed and looses its effect in the process, thus producing a permanent, tight and positive joint connection.

Initially, press-fitting joints that do not feature SC-Contur can appear to be tight in the non-pressed state, however, they can slide apart during subsequent operation of the system.

The hexagon on the valve bodies is a particularly practical feature for holding the fittings while tightening.

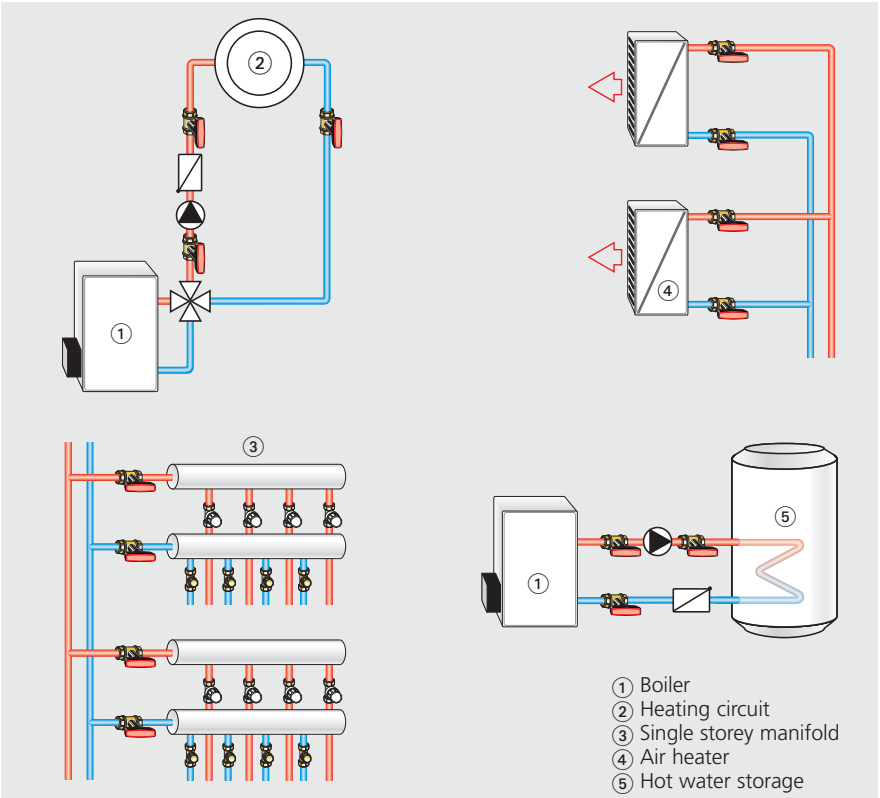
The following press-fitting tools can be used, e.g.

- Viega: Type 2, PT3-H, PT3-EH, PT3-AH, battery-powered Presshandy, Pressgun 4E/4B
- Geberit: PWH 75
- Geberit /Novopress: Type N 230V, Type N battery-powered
- Mapress/Novopress: EFP 2, ACO 1/ ECO 1
- Klauke: UAP 2

The suitability of other press-fitting tools should be verified with the respective manufacturer.

We recommend using only Viega press-fitting jaws to make Viega press connections

## Sample applications




## 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.

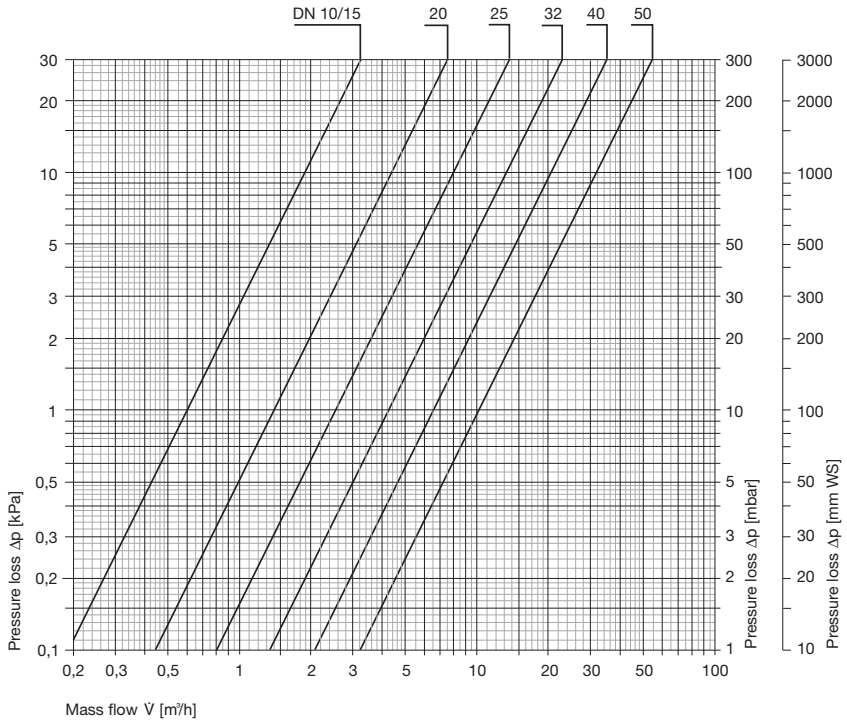
For industrial and long-distance energy systems, see the applicable codes VdTÜV and 1466/AGFW 5/15.

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 disintigration 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.

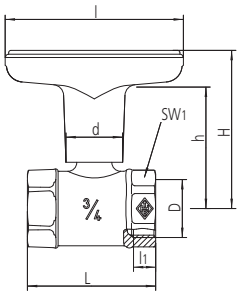
# Globo H

## Diagram

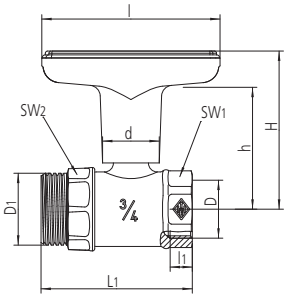



## Dimensions

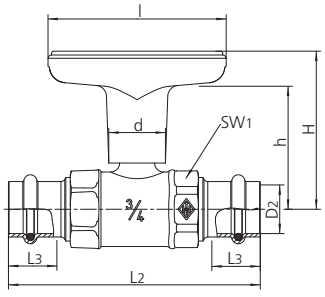
With female thread




With male/female thread




With Viega press connection with SC-Contur




| DN | D | D1 | D2 | L | $L_1$ | $L_2$ | $L_3$ | l | $l_1$ | d | H | h | $SW_1$ | $SW_2$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | 3/8" | – | – | 56,0 | – | – | – | 81 | 10,0 | 26 | 69,0 | 54,0 | 27 | – |
| 15 | 1/2" | G 3/4 | 15 | 56,0 | 64,5 | 110 | 22 | 81 | 10,0 | 26 | 69,0 | 54,0 | 27 | 29 |
| 20 | 3/4" | G 1 | 22 | 58,5 | 69,0 | 115 | 23 | 81 | 11,0 | 26 | 72,0 | 55,5 | 32 | 35,5 |
| 25 | 1" | G 1 1/4 | 28 | 67,5 | 78,5 | 129 | 23 | 81 | 13,0 | 26 | 74,5 | 58,0 | 39 | 44 |
| 32 | 1 1/4" | G 1 1/2 | 35 | 76,5 | 89,5 | 139 | 25 | 81 | 13,5 | 26 | 78,0 | 61,5 | 50 | 51 |
| 40 | 1 1/2" | – | – | 87,5 | – | – | – | 120 | 14,5 | 32 | 111,5 | 92,0 | 55 | – |
| 50 | 2" | – | – | 101,5 | – | – | – | 120 | 15,5 | 32 | 116,5 | 97,0 | 70 | – |

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