

Climate
Control

IMI Heimeier

Globo P



Ball valves

Pump ball valve made of gunmetal

Globo P

Globo P and Globo P-S are used in pump warm water heating systems for direct connection to circulating pumps with screwed pipe connections. Easy to install by pushing the pump union nut onto the form flange of the pump ball valve. Universal application opportunity, e. g. Globo P on the suction side, and Globo P-S with a gravity brake on the pressure side of a circulating pump.

Key features

Body and ball made of corrosion-resistant gunmetal

Tubular body, ideal for continuous pipe insulation

Operating toggle outside the pipe insulation

Also available in Press version



Technical description

Application:

Heating and cooling 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.

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

Available for delivery in two models: Globo P without gravity brake, and Globo P-S with gravity brake. Gravity brakes which operate at a low noise level, made of plastic, can be opened externally. Identifiable open/closed position.

Dimensions:

DN 25 to DN 32.

Versions with socket internal thread connection and formed flange with full load-bearing sealing surface. Connections (socket x flange): 1" x 1", 1 1/4" x 1 1/4" and 1 1/4" x 1".

Versions with Viega press connection and formed flange with full load-bearing sealing surface.

Connections (press connection x flange): 28 mm x 1", 35 mm x 1 1/4".

Pressure class:

PN 16

Temperature:

Permissible operating temperature TB Globo P -10 °C - 120 °C, with press connection 110 °C, Globo P-S 90 °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 sealing from pure PTFE. Gravity brake made of plastic. Gravity brake sealing through and EPDM O-ring.

Media:

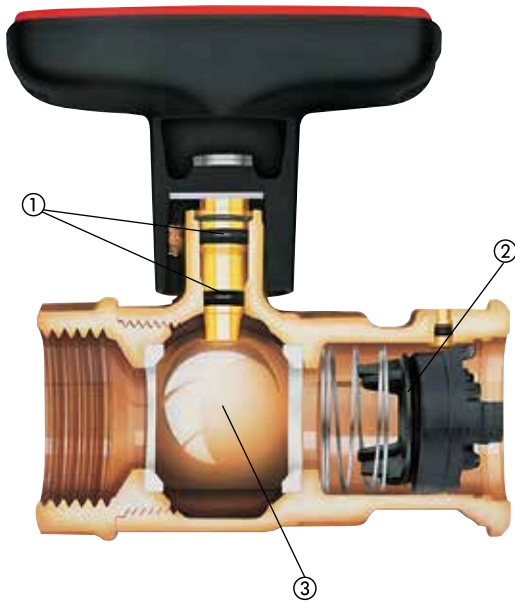
Water or neutral fluids, water-glycol mixtures (0-50%).

Insulation:

Heat insulation shells for versions with female thread and press connection, consisting of two interlocked half shells, see accessories.

Construction

Globo P-S



1. Spindle sealing through two O-rings
2. Gravity brake
3. Solid gunmetal ball

Application

Globo P and Globo P-S are used in pump warm water heating systems for direct connection to circulating pumps with screwed pipe connections.

Easy to install by pushing the pump union nut onto the form flange of the pump ball valve. Universal application opportunity, e. g. Globo P on the suction side, and Globo P-S with a gravity brake on the pressure side of a circulating pump.

The gravity brake on the Globo P-S is used e. g. to drain off, fill and bleed the system, can be mounted externally.

Note: When the circulating pump is not in operation, low gravity circulation may occur in heating systems with a high operating pressure, despite the gravity brake. The gravity brake is not designed for use as a tightly closing return valve.

The pump ball valves can be insulated against heat loss with no problem using the heat insulating dishes or with constant pipe insulation, depending on the heating system requirements. The operating toggle is outside the heat insulation.

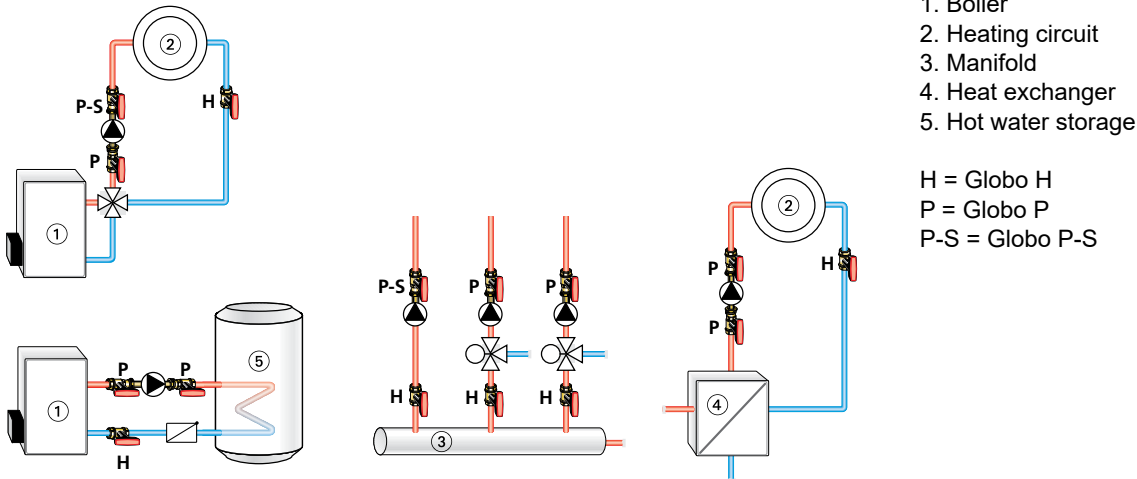
Press connection

Globo 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.

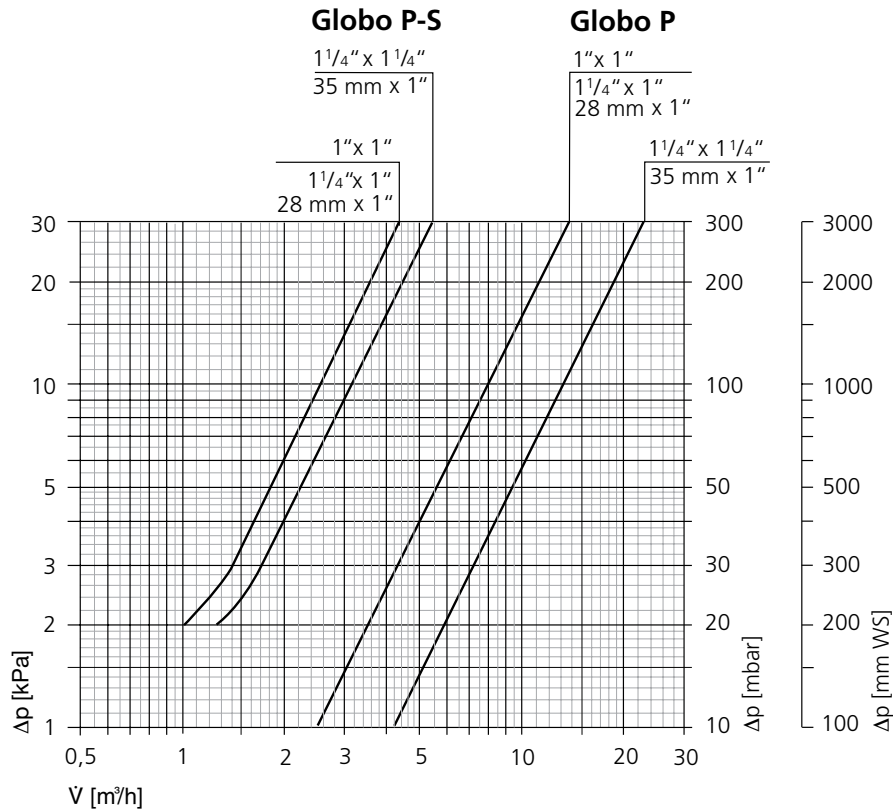
All press connections as well as the valve bodies are made of corrosion-resistant, dezincification-free gunmetal.

Suitability press-fitting tools should be verified with the respective manufacturer.

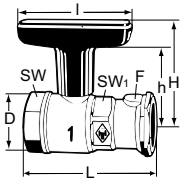
We recommend using only Viega press-fitting jaws to make Viega press connections.

Sample application

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.

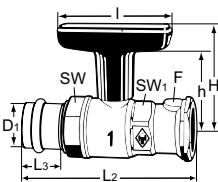
Diagram


Articles



Globo P / Globo P-S

| DN | D | F | L | I | H | h | Kvs | EAN | Article No |
|-------------------------------------|---------|--------|-------|----|------|------|------|---------------|-------------|
| Globo P | | | | | | | | | |
| 25 | Rp1 | 1" | 87,5 | 81 | 74,5 | 58,0 | 25,0 | 4024052124213 | 0620-04.000 |
| 32 | Rp1 1/4 | 1 1/4" | 101,0 | 81 | 78,0 | 61,5 | 42,0 | 4024052124312 | 0620-05.000 |
| 32 | Rp1 1/4 | 1" | 92,0 | 81 | 74,5 | 58,0 | 25,0 | 4024052124411 | 0620-45.000 |
| Globo P-S with gravity brake | | | | | | | | | |
| 25 | Rp1 | 1" | 87,5 | 81 | 74,5 | 58,0 | 8,0 | 4024052124916 | 0630-04.000 |
| 32 | Rp1 1/4 | 1 1/4" | 101,0 | 81 | 78,0 | 61,5 | 10,0 | 4024052125012 | 0630-05.000 |
| 32 | Rp1 1/4 | 1" | 92,0 | 81 | 74,5 | 58,0 | 8,0 | 4024052125111 | 0630-45.000 |



Globo P / Globo P-S – With Viega press connection with SC-Contur

| DN | D1 | F | L2 | L3 | I | H | h | Kvs | EAN | Article No |
|-------------------------------------|----|--------|-----|----|----|------|------|------|---------------|-------------|
| Globo P | | | | | | | | | | |
| 25 | 28 | 1" | 119 | 23 | 81 | 74,5 | 58,0 | 25,0 | 4024052544752 | 0622-28.000 |
| 32 | 35 | 1 1/4" | 132 | 25 | 81 | 78,0 | 61,5 | 42,0 | 4024052544851 | 0622-35.000 |
| Globo P-S with gravity brake | | | | | | | | | | |
| 25 | 28 | 1" | 119 | 23 | 81 | 74,5 | 58,0 | 8,0 | 4024052544950 | 0632-28.000 |
| 32 | 35 | 1 1/4" | 132 | 25 | 81 | 78,0 | 61,5 | 10,0 | 4024052545056 | 0632-35.000 |

SW: DN 25 = 39 mm, DN 32 = 50 mm

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

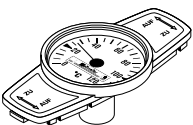
Accessories



Heat insulating shell

Made of EPP
Fire class B2

| Globo | EAN | Article No |
|-----------------|---------------|-------------|
| 1" x 1" | 4024052574018 | 0600-04.553 |
| 1 1/4" x 1 1/4" | 4024052574117 | 0600-05.553 |
| 1 1/4" x 1" | 4024052574810 | 0620-45.553 |



Thermometer

to replace by changing the red closing cap.
Temperatur range from 0 °C to 120 °C.

| | EAN | Article No |
|-------------|---------------|-------------|
| Red | 4024052423316 | 0600-00.380 |
| Blue | 4024052460618 | 0600-01.380 |



Replacement handle

| For | DN | EAN | Article No |
|--------------------|-------|---------------|-------------|
| Globo H, P, P-S, D | 10-32 | 4024052123612 | 0600-03.520 |



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