

Globo P



Ball valves

Pump ball valve made of gunmetal

*Engineering
GREAT Solutions*

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

- > 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
- > 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 female 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 and Mapress 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:

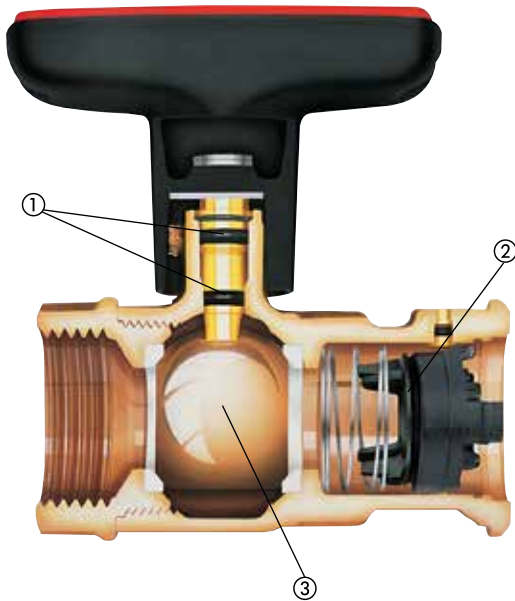
Water or neutral fluids, water-glycol mixtures (0-50%).

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 P and Globo P-S 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.

Ball valves with Mapress press connection are suitable for copper pipes conforming to EN 1057.

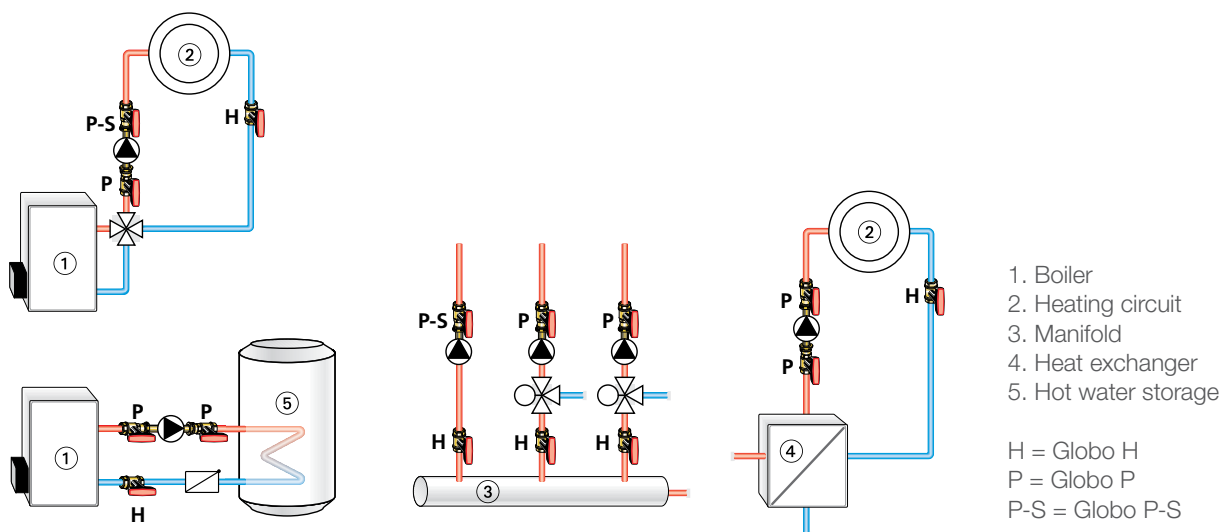
All press connections as well as the valve bodies are made of corrosion-resistant, dezincification-free gunmetal.

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

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

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

Sample application

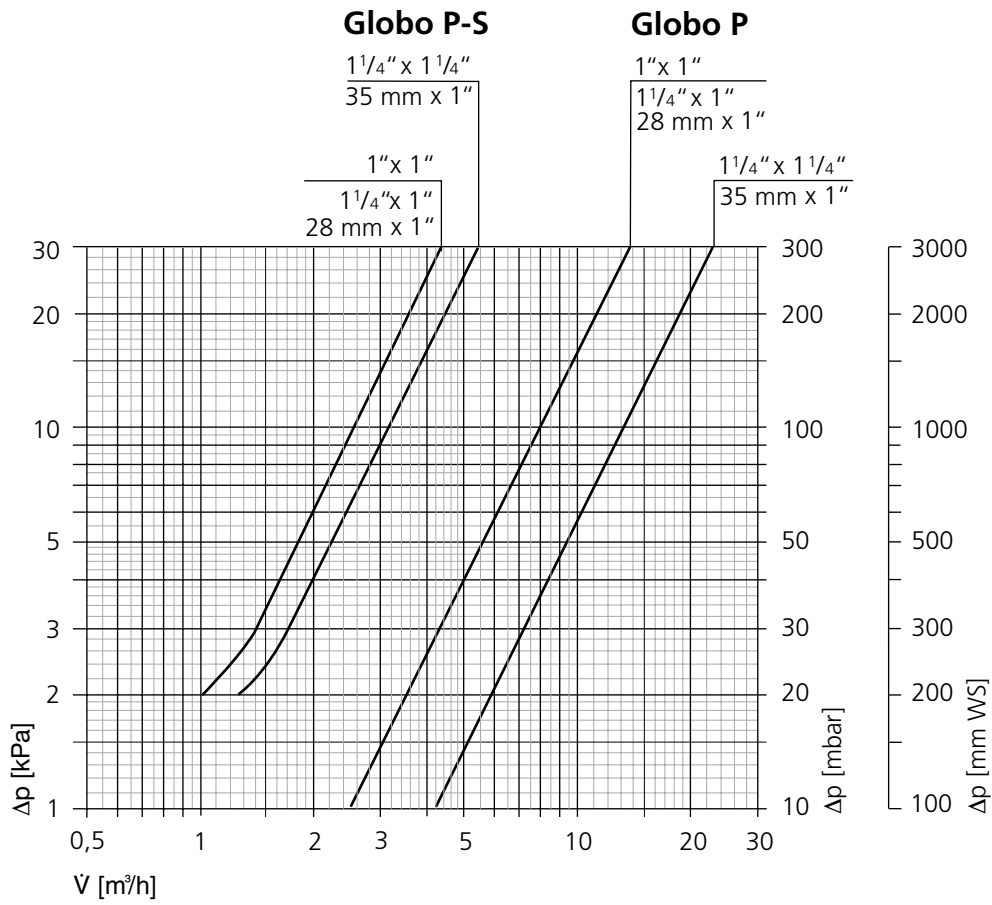


Note

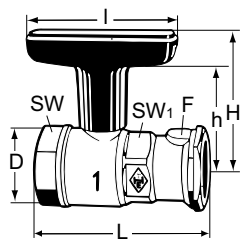
The contents of the heat transfer medium should comply with VDI guideline 2035 to prevent damage and scale deposit formation in warm water heating systems.
 For industrial and long-distance energy systems, see the applicable codes VdTUV 1466 and AGFW FW 510.
 Mineral oils in the heat transfer medium or lubricants containing mineral oils of any type lead to strong swelling and in most cases cause EPDM seals to fail.

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. Suitable for glycol/water mixtures with up to 50% of glycol.

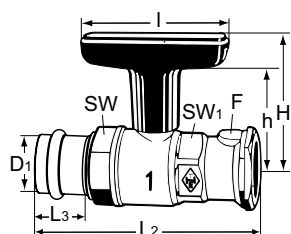
Diagram



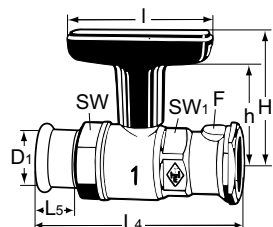
Articles


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	D	F	D1	L2	L3	I	H	h	Kvs	EAN	Article No
Globo P											
25	Rp1	1"	28	119	23	81	74,5	58,0	25,0	4024052544752	0622-28.000
32	Rp1 1/4	1 1/4"	35	132	25	81	78,0	61,5	42,0	4024052544851	0622-35.000
Globo P-S with gravity brake											
25	Rp1	1"	28	119	23	81	74,5	58,0	8,0	4024052544950	0632-28.000
32	Rp1 1/4	1 1/4"	35	132	25	81	78,0	61,5	10,0	4024052545056	0632-35.000

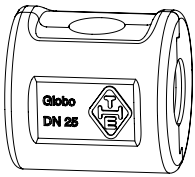

Globo P / Globo P-S – With Mapress press connection

DN	D	F	D1	L4	L5	I	H	h	Kvs	EAN	Article No
Globo P											
25	Rp1	1"	28	113	23	81	74,5	58,0	25,0	4024052773312	0629-28.000
32	Rp1 1/4	1 1/4"	35	129	26	81	78,0	61,5	42,0	4024052773411	0629-35.000
Globo P-S with gravity brake											
25	Rp1	1"	28	113	23	81	74,5	58,0	8,0	4024052773619	0639-28.000
32	Rp1 1/4	1 1/4"	35	129	26	81	78,0	61,5	10,0	4024052773510	0639-35.000

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

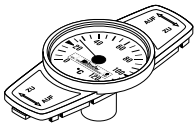
Accessories



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

