

#### Application:

The Oventrop fill and drain ball valves “Optiflex” are used for heating systems, boilers, radiators and pipework which have to be equipped with a filling and draining facility.

Male or female thread, male thread self sealing, with counter nut, handle with stop, with hose connection (soft seal) and cap, stem with O-ring seal.

Pipe connection with Oventrop compression fittings (only for DN 10 and DN 15) (see catalogue “Products”).

The “Optiflex” fill and drain ball valves are suitable for treated heating water with a glycol proportion up to 50 %.

Special models for solar plants and potable water are available.

The fill and drain ball valves “Optiflex” distinguish themselves by their high filling and draining capacity.

#### Function:

The “Optiflex” fill and drain ball valves are opened/closed by turning the handle by 90°. The position of the ball is indicated by the position of the handle which moves parallel to it.

#### Flow values (including hose connection):

DN	10	15	20	25	15-Angle
$K_{vs}$	2.0	3.3	9.5	14	2.6

#### Materials:

Body:	CuZn40Pb2, unplated or nickel plated
Switching ball:	CuZn40Pb2, chrome plated
Stem:	CuZn40Pb2
Stem seal:	EPDM
Ball seats:	PTFE
Hose connection:	High quality plastic Item no. 1034315: brass
Handle:	High quality plastic (DN 25: aluminium)

#### “Optiflex” Fill and drain ball valve, PN 16

with male thread, self sealing, with counter nut, handle with stop

Application: Heating water with a glycol proportion up to 50 %

Operating pressure  $p_s$ : 16 bar (PN 16)

Operating temperature  $t_s$ : 0 °C up to 120 °C

#### “Optiflex” Fill and drain ball valve “Solar”

Application: Heating water with a glycol proportion up to 50 %, solar plants

Operating pressure  $p_s$ : 16 bar (PN 16)

Operating temperature  $t_s$ : 0 °C up to 150 °C, for short periods up to 180 °C

#### “Optiflex” Fill and drain ball valve for potable water

Application: Potable water, further applications as standard “Optiflex” model, see above

Operating pressure  $p_s$ : 10 bar (PN 10)

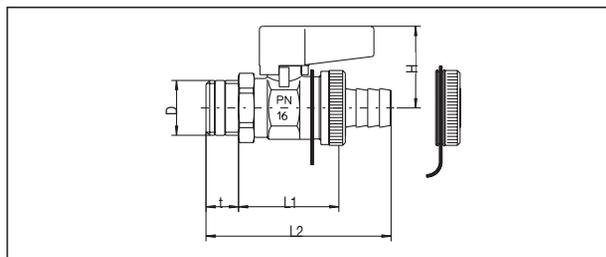
Operating temperature  $t_s$ : 0 °C up to 90 °C



DVGW-W tested and certified



“Optiflex”

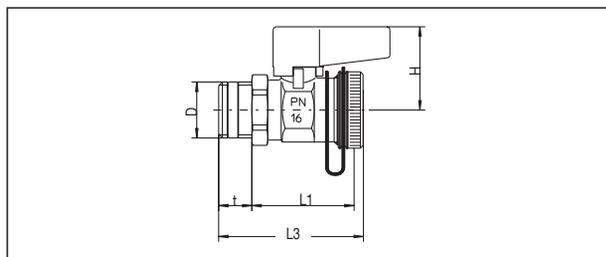


Dimension “Optiflex” fill and drain ball valves with hose connection (soft seal) and cap

Item no. 10333.. (DN 10 up to DN 25), unplated  
Item no. 103335. (DN 10 up to DN 15), nickel plated  
Item no. 1033372 (DN 15) “Solar”, nickel plated

DN	D	L <sub>1</sub>	L <sub>2</sub>	L <sub>3</sub>	t	H
10	G 3/8	38.5	71.5	61.5	12.5	31
15	G 1/2	38.5	71.5	61.5	12.5	31
20	G 3/4	49.5	91.5	69.5	13.5	34
25	G 1	60.5	123.5	88.5	17.5	53

Item no. 1034315 (DN 15) with hose connection made of brass, length L<sub>2</sub> = 54.5 mm



Dimensions “Optiflex” fill and drain ball valves with cap  
Item no. 103341. (DN 10 bis DN 15), unplated  
Item no. 1033152 (DN 15) for potable water, nickel plated

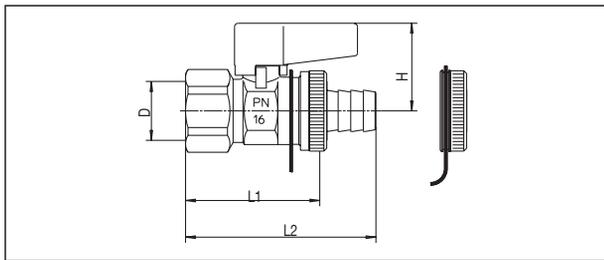
**“Optiflex” Fill and drain ball valve, PN 16**

with female thread and handle with stop

Application: Heating water with a glycol proportion up to 50 %

Operating pressure  $p_s$ : 16 bar (PN 16)

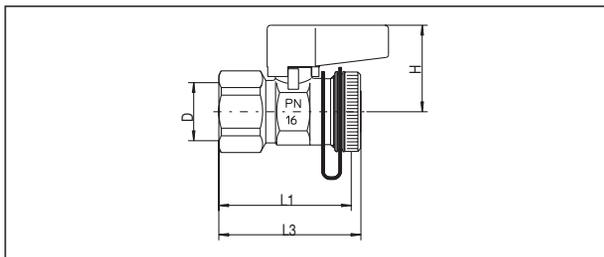
Operating temperature  $t_s$ : 0 °C up to 120 °C



Dimensions “Optiflex” fill and drain ball valve with hose connection (soft seal) and cap

Item no. 1033814 (DN 15), unplated  
Item no. 1033852 (DN 15), nickel plated

DN	D	L1	L2	L3	H
15	Rp 1/2	48	65	51.5	31



Dimensions “Optiflex” fill and drain ball valve with cap  
Item no. 1033914 (DN 15), unplated

**“Optiflex” Fill and drain ball valve, PN 16, angle pattern, “Solar”**

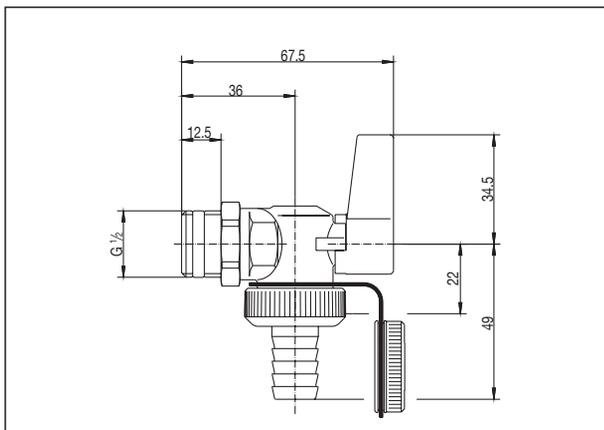
Application: Heating water with a glycol proportion up to 50 %, solar plants

Operating pressure  $p_s$ : 16 bar (PN 16)

Operating temperature  $t_s$ : 0 °C up to 150 °C, for short periods up to 180 °C

**Accessories** (see catalogue “Products”):

- Hose connections
- Caps
- Washers



Dimensions “Optiflex” fill and drain ball valve “Solar”, angle pattern, with hose connection (soft seal) and cap  
Item no. 1033672 (DN 15) “Solar”, nickel plated

Subject to technical modifications without notice.

Product range 6  
ti 294-EN/10/MW  
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