



The Oventrop Quality Management System is certified to DIN-EN-ISO 9001

Technical information

### Application:

For central heating systems.  
 Max. working pressure  $p_S$ : 30 bar pressure impact resistant at 30°C (PN 30), 6 bar at 120°C, for air max. of 10 bar.  
 Working temperature  $t_S$ : -10°C up to +120°C  
 Pressure and temperature allocation see chart.

### Function:

The ball valve is opened/closed by turning the handle by 90°. The position of the ball is indicated by the position of the handle.

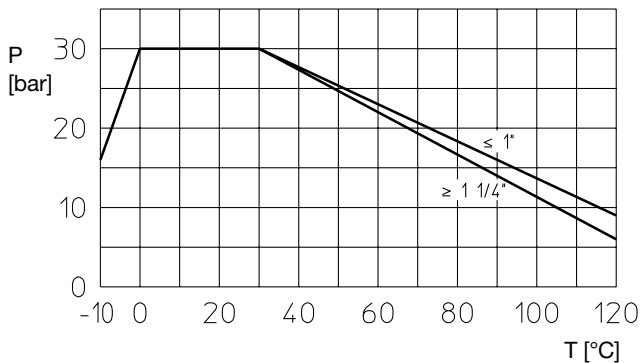
### Model:

Body made of unplated DZR brass (DZR = dezincification resistant), full flow, ball chrome plated, maintenance-free stem seal with double EPDM O-ring, both ports female thread G according to ISO 228 (thread also corresponds to Rp according to EN 10226-1), alternative operating elements:  
 Lever made of galvanised steel with red plastic coating  
 T-handle made of red lacquered metal  
 Extended T-handle made of high quality red/black plastic

### Advantages:

- full flow according to DIN 3357-4
- PN 30 for cold water
- dezincification resistant
- simple insulation of model with extended plastic T-handle using insulation shells
- suitable for water and glycol mixtures (glycol proportion up to 50%)

### Pressure-temperature chart:



Attention: Prevent formation of ice as this may cause damage to pipework and valve.

### Note:

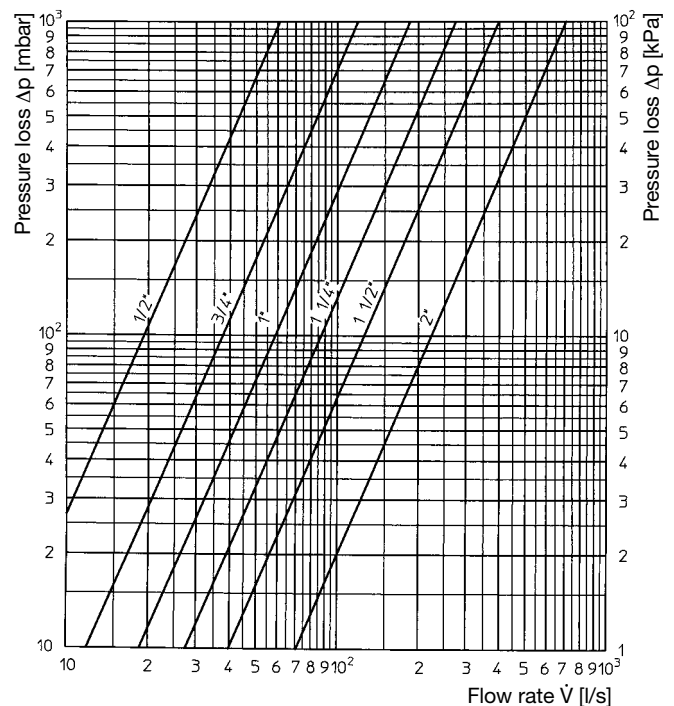
It is recommended to operate ball valves which are in a permanent position once or twice a year.

As the ball valves come under article 3 paragraph 3 of the Pressure Equipment Directive 97/23/EG, they do not carry a CE-marking.



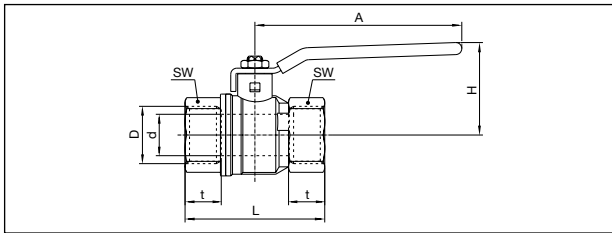
Ball valves DZR (illustr. similar)

### Flow chart:



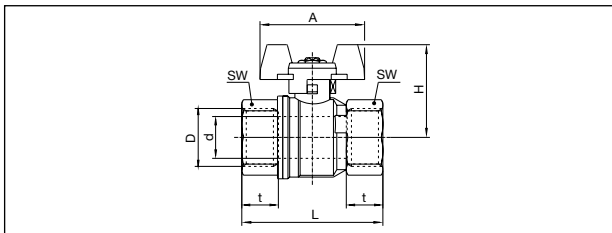
Flow values (water) (ball valves fully open)

**Dimensions:**



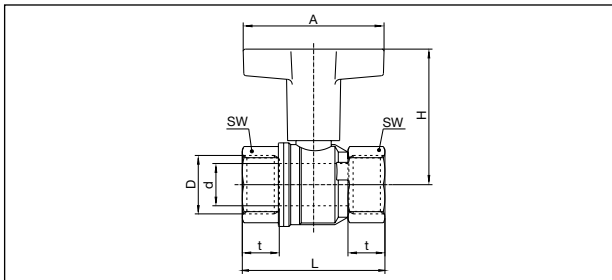
Item nos. 107 90 54-59 (DN 15 up to DN 50), steel lever

D	d	L	t	H	A	SW*
1/2"	15	59	15.5	43	100	25
3/4"	19	64	17	50	120	31
1"	24	81	21	54	120	40
1 1/4"	30	93	23	73	158	49
1 1/2"	38	102	23	79	158	54
2"	48	121	26.5	86	158	69



Item nos. 107 94 54-55 (DN 15 and DN 20), metal T-handle

D	d	L	t	H	A	SW*
1/2"	15	59	15.5	43	50	25
3/4"	19	64	17	49	60	31



Item nos. 107 91 54-59 (DN 15 up to DN 50), extended plastic T-handle

D	d	L	t	H	A	SW*
1/2"	15	59	15.5	68	60	25
3/4"	19	64	17	73	80	31
1"	24	81	21	77	80	40
1 1/4"	30	93	23	114	120	49
1 1/2"	38	102	23	120	120	54
2"	48	121	26.5	127	120	69

\* SW = spanner size

**Accessories:**

**Locking cap**

The locking cap can be mounted instead of the handle. It serves to lock the ball valve in open or closed position and inadvertent operation is prevented.

Sizes	Item no.
up to DN 15	107 92 54
DN 20 + DN 25	107 92 55
DN 32 – DN 50	107 92 56

**Accessories:**

**Extended plastic T-handle conversion set**

For subsequent insulation of the pipework with mounted ball valves with metal lever or T-handle, the conversion to an extended plastic T-handle is recommended.

Sizes	Item no.
up to DN 15	107 60 71
DN 20 + DN 25	107 60 72
DN 32 – DN 50	107 60 73

**Thermometer conversion set for extended plastic T-handle**

Consisting of thermometer 0-100°C and special screw.

Sizes	Item no.
up to DN 15	107 71 81
DN 20 + DN 25	107 71 82
DN 32 – DN 50	107 71 83

**Stem extension**

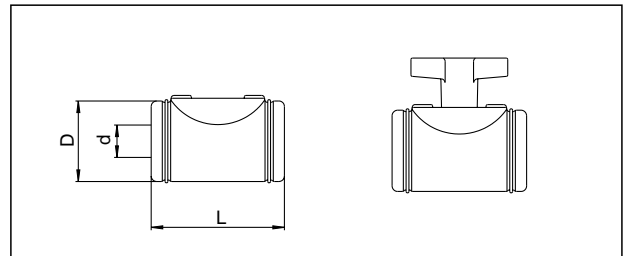
To upgrade ball valves with metal lever or T-handle.

The swivel insulation shell can be sealed at the insulation by use of silicone for a diffusion tight insulation of cooling systems for instance.

Sizes	Extension	Item no.
up to DN 15	38 mm	107 60 81
DN 20 + DN 25	39 mm	107 60 82
DN 32 – DN 50	64 mm	107 60 83

**Insulation shells**

For ball valves with extended plastic T-handle and subsequently installed stem extension.



Item nos. 107 71 91-97 (DN 15 up to DN 50)

DN	d	D	L
15	1/2"	62	90
20	3/4"	72	100
25	1"	89	120
32	1 1/4"	109	134
40	1 1/2"	125	160
50	2"	138	200

F. W. OVENTROP GmbH & Co. KG  
 Paul-Oventrop-Straße 1  
 D-59939 Olsberg  
 Germany  
 Telephone +49(0) 2962 82-0  
 Telefax +49(0) 2962 82-450  
 E-Mail mail@oventrop.de  
 Internet www.oventrop.de

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