



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

#### Application:

For central heating systems.

Max. working pressure  $p_s$ : 16 bar at 30°C (PN 16), 6 bar at 110°C

Working temperature  $t_s$ : -10°C up to +110°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.

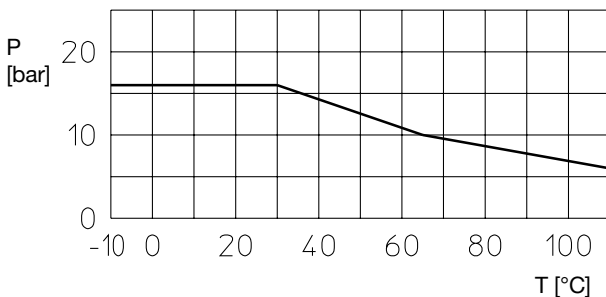
#### Model:

Body mad of unplated DZR brass (DZR = dezincification resistant), full flow, maintenance-free stem seal with double EPDM O-ring, both ports cutting ring according to EN 1254-2 (formerly BS 864-2) for copper pipe according to EN 1057, alternative operating elements: Lever made of galvanised steel with red plastic coating  
T-handle made of red lacquered metal  
Extended plastic 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:

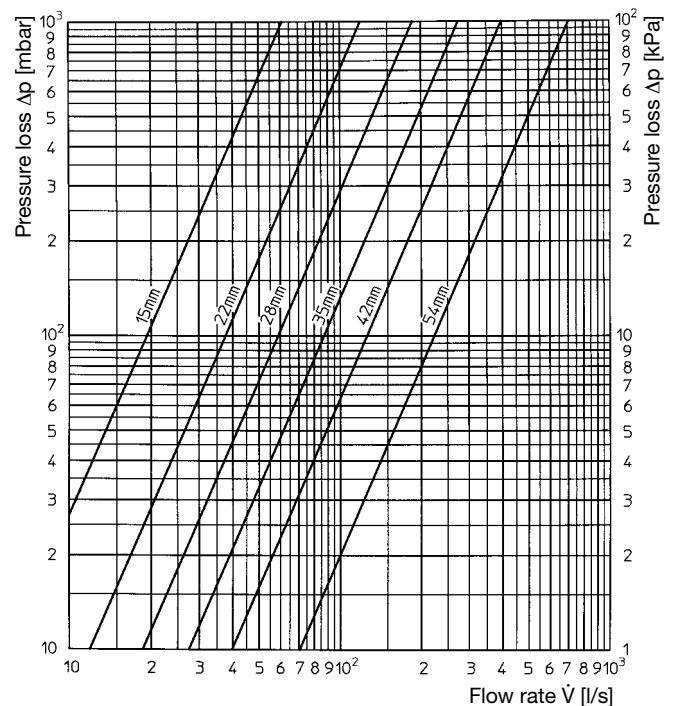
It is recommended to operate ball valves which are in a permanent position once or twice a year.

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 with cutting rings

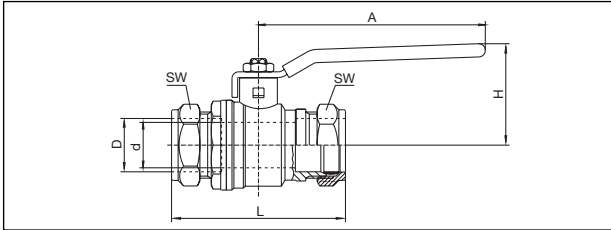
#### Flow chart:



Flow values (water):

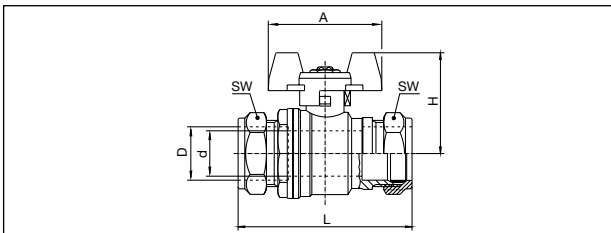
If the ball is not completely open, the flow values may deviate.

**Dimensions:**



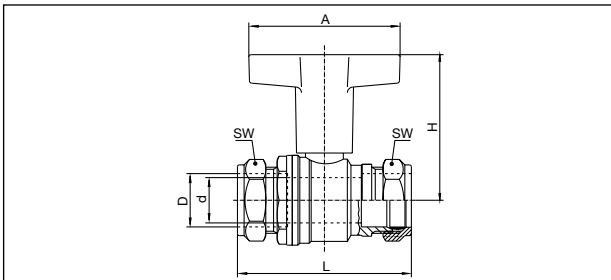
Item nos. 107 95 54-60 (DN 15 up to DN 50), lever

D	d	L	H	A	SW*
15	13	74	43	100	24
22	19	81	50	120	32
28	24	92	54	120	39
35	30	109	73	158	48
42	38	128	79	158	54
54	48	142	86	158	70



Item nos. 107 96 54-56 (DN 15 and DN 20), metal T-handle

D	d	L	H	A	SW*
15	13	74	43	50	24
22	19	81	49	60	32



Item nos. 107 97 54-60 (DN 15 up to DN 50), extended plastic T-handle

D	d	L	H	A	SW*
15	13	74	68	60	24
22	19	81	73	80	32
28	24	92	77	80	39
35	30	109	114	120	48
42	38	128	120	120	54
54	48	142	127	120	70

\* 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**

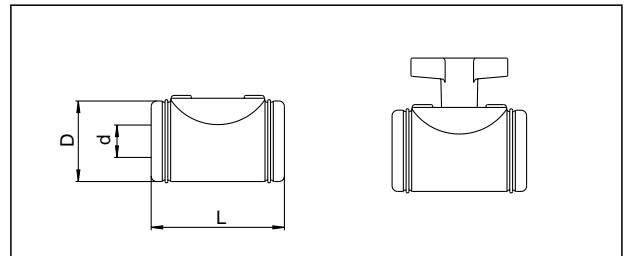
To upgrade ball valves with metal lever or T-handle.

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

Subject to technical modification without notice.

Product group 5  
ti 213-1/10/MW  
Edition 2009

Printed on paper free from  
chlorine bleaching.

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

For an overview of our global presence  
visit [www.oventrop.de](http://www.oventrop.de).