

#### Application:

The Oventrop ball valve “Optibal WHG” made of nickel plated brass with Rp female thread according to DIN EN 10226-1 is used in potable water, heating, industrial and gas installations.

It is supplied with colour caps for fluid or application identification.

yellow = gas

green = potable water

red and blue = heating return and supply

#### Technical data:

Potable water:

Operating temperature: up to +65 °C  
for short periods up to +90 °C  
(max. 1 h)

Max. operating pressure: 10 bar (according to EN 13828)

Reduced sizes: DN\_R (according to EN 13828)



DVGW tested and approved

Gas:

(Gas according to DVGW work sheet G 260/I except for liquid gas in the liquid phase, for gas installations according to DVGW TRGI):

Operating temperature: -20 °C up to +60 °C

Max. operating pressure: MOP 5 (5 bar according to EN 331)



DVGW tested and approved

Heating and industrial installations:

Fluids, e.g.: Water, compressed air,  
mineral and heating oil

Operating temperature  $t_s$ : -20 °C up to +100 °C  
(prevent formation of ice!)

Max. operating pressure  $p_s$ : 16 bar (PN 16)  
for air 10 bar

#### Function:

The ball valve is opened/closed by turning the lever by 90°. The position of the ball is indicated by the position of the lever which moves parallel to it. Even if the lever is removed, the stem with two flats still indicates the position of the ball.

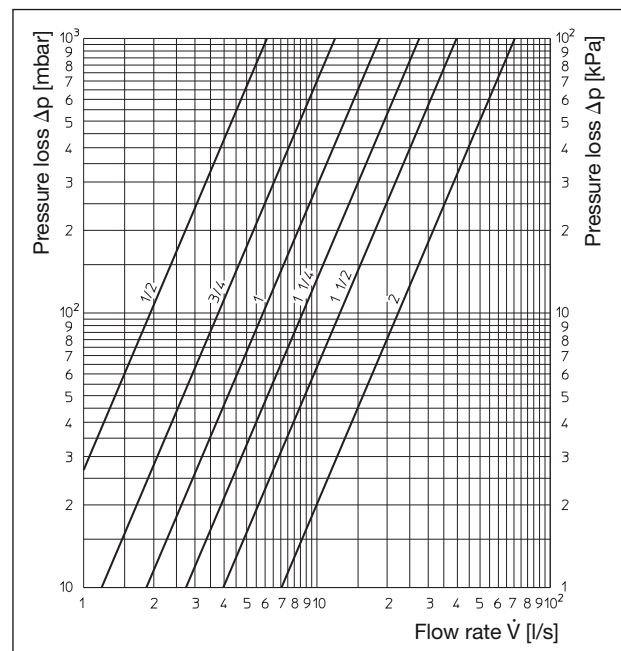
Note: It is recommended to operate ball valves which are in a permanent position once or twice a year.

#### Advantages:

- wide range of application
- blow-off proof stem
- colour marking with enclosed caps
- components and auxiliary materials free from silicone
- suitable for water and glycol mixtures (max. glycol proportion 50%)



“Optibal WHG”



Flow chart

Flow values (water):

DN	15	20	25	32	40	50
$k_{vs}$	22	43	67	99	143	254

The flow values may vary due to the different screw-in depths of the threaded pipes into the ball valve and a not fully opened switching ball.

**Construction:**

Two-piece body, nickel plated brass, with Rp female thread according to DIN EN 10226-1.

Full flow according to DIN EN 1983, ball made of chrome plated brass with PTFE seats, brass stem with double FKM O-ring seal.

**Accessories:**

**Stem extension**

DN 15	<b>Item no.</b> 1076081
DN 20 + DN 25	1076082
DN 32 – DN 50	1076083

**Conversion set plastic handle**

anthracite, with red cover plug	
DN 15	1076071
DN 20 + DN 25	1076072
DN 32 – DN 50	1076073

**Thermometer conversion set**

(only in combination with extended plastic handle)	
diameter 34 mm, anthracite	
DN 15	1077181
DN 20 + DN 25	1077182
DN 32 – DN 50	1077183

**Insulation shells**

(only in combination with stem extension or extended plastic handle)

The double insulation shells made of anthracite coloured expanded polypropylene are easy to use and can be reused.

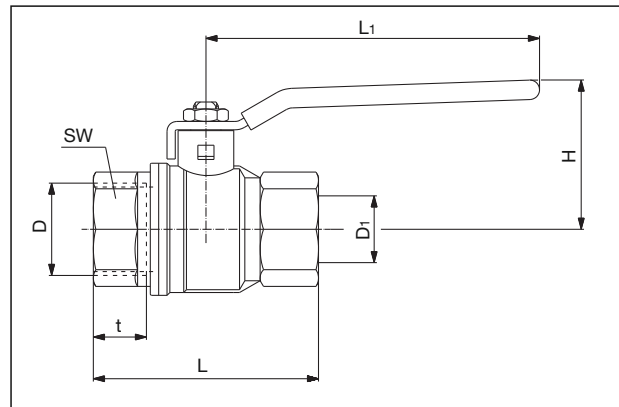
Building material class B2 according to DIN 4102.

Thermal conductivity 0.035 W/mK.

Meets the requirements of the German Energy Saving Directive according to appendix 5 ,table 1, line 5.

**Size**

<b>Item no.</b>	
DN 15	1078092
DN 20	1078093
DN 25	1078094
DN 32	1078095
DN 40	1078096
DN 50	1078097



End no.	DN	D EN 10226	D <sub>1</sub>	L	L <sub>1</sub>	H	t	SW*
04	15	Rp 1/2	15	59	100	43	15	25
06	20	Rp 3/4	19	64	120	50	16.3	31
08	25	Rp 1	24	81	120	54	19.1	40
10	32	Rp 1 1/4	30	93	158	73	21.4	49
12	40	Rp 1 1/2	38	102	158	79	21.4	54
16	50	Rp 2	48	121	158	86	25.7	68.5

Dimensions item no. 3016452-57 (DN 15 up to DN 50)

\*SW = Spanner size

OVENTROP GmbH & Co. KG  
Paul-Oventrop-Straße 1  
D-59939 Olsberg, Germany  
Phone +49 (0)2962 82-0  
Fax +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).

Subject to technical modification without notice.

Product range 5  
ti 286-EN/10/MW  
Edition 2015