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Oventrop brass or bronze ball valves „Optibal“ with full flow are used in industrial, commercial and domestic installations for the isolation of pipes transporting fluids.

Depending on the different models, they may be used for the following fluids: water, mineral, heating, hydraulic and diesel oil, air and others (also see table in the technical data sheet).

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

Advantages:

- full flow
- wide range of application
- all standard types of handles and levers available
- simple insulation of the models with extended plastic handle
- suitable for high pressures due to solid bodies
- ball surface hard-chrome plated

1 Brass ball valve

2 Bronze ball valves



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The brass ball valves "Optibal" are suitable for a nominal pressure up to PN 20 for cold water, up to PN 16 for fluids and harmless gases.

Temperature range 0 °C up to 100 °C.

1 Brass ball valve, nickel plated, both ports female thread, with handle.

Not illustrated: same ball valve but one port female thread and one port male thread.

2 Brass ball valve, nickel plated, both ports female thread, with handle and thermometer for a steady control of the fluid temperature.

Brass ball valves with plastic handle may be subsequently equipped with a thermometer.

3 Brass ball valve, nickel plated, both ports female thread, with handle and draining facility (connection thread of the drain valve 1/4").

4 Brass ball valve, nickel plated, with handle, one port female thread, one port tapered sealing coupling with male thread.

5 Brass ball valve, nickel plated, both ports female thread or one port female thread and one port male thread, with galvanised steel lever with plastic coating.

6 Brass ball valve, nickel plated, both ports female thread or one port female thread and one port male thread, with aluminium T-handle.

Ball valves with steel lever or aluminium T-handle may subsequently be converted to plastic handle.

7 Insulation for brass ball valves "Optibal" with extended plastic handle. The insulation consists of two double shells which are closed with tightening straps.

Illustration with ball valve.



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The bronze ball valves "Optibal" are suitable for a nominal pressure of PN 40 and for flow temperatures up to 150°C (aluminium lever) or 120°C (plastic handle). Bronze ball valve are especially used for district heating, amongst others transmission units.

All Oventrop bronze ball valves "Optibal" may be coated with standard insulation material.

1 Bronze ball valves, unplated, with plastic handle, both ports with weldable tailpipes or one port with weldable tailpipe and one port with cap.

2 Bronze ball valves, unplated, with aluminium lever, both ports with weldable tailpipes or one port with weldable tailpipe and one port with cap.

Further information can be found in the Oventrop catalogue "Products", in the technical data sheets or on the internet, product range 5.

Subject to technical modification without notice.

F. W. OVENTROP GmbH & Co. KG
 Paul-Oventrop-Straße 1
 D-59939 Olsberg
 Telephone +49 (0) 29 62 82-0
 Telefax +49 (0) 29 62 82-450
 Internet www.oventrop.de
 E-Mail mail@oventrop.de

OVENTROP UK LTD.
 Unit E - The Loddon Centre
 Wade Road
 Basingstoke, Hampshire RG24 8FL
 Telephone (0 12 56) 33 04 41
 Telefax (Sales) (0 12 56) 33 05 25
 Telefax (General) (0 12 56) 47 09 70
 Internet www.oventrop.co.uk
 E-Mail sales@oventrop.co.uk