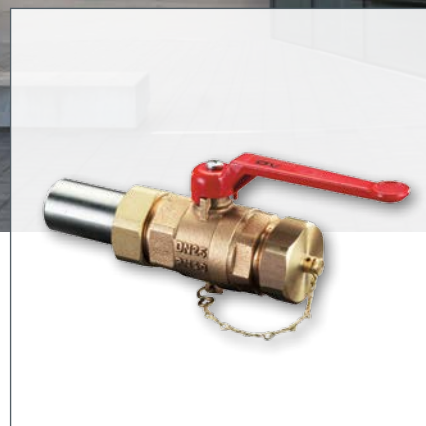
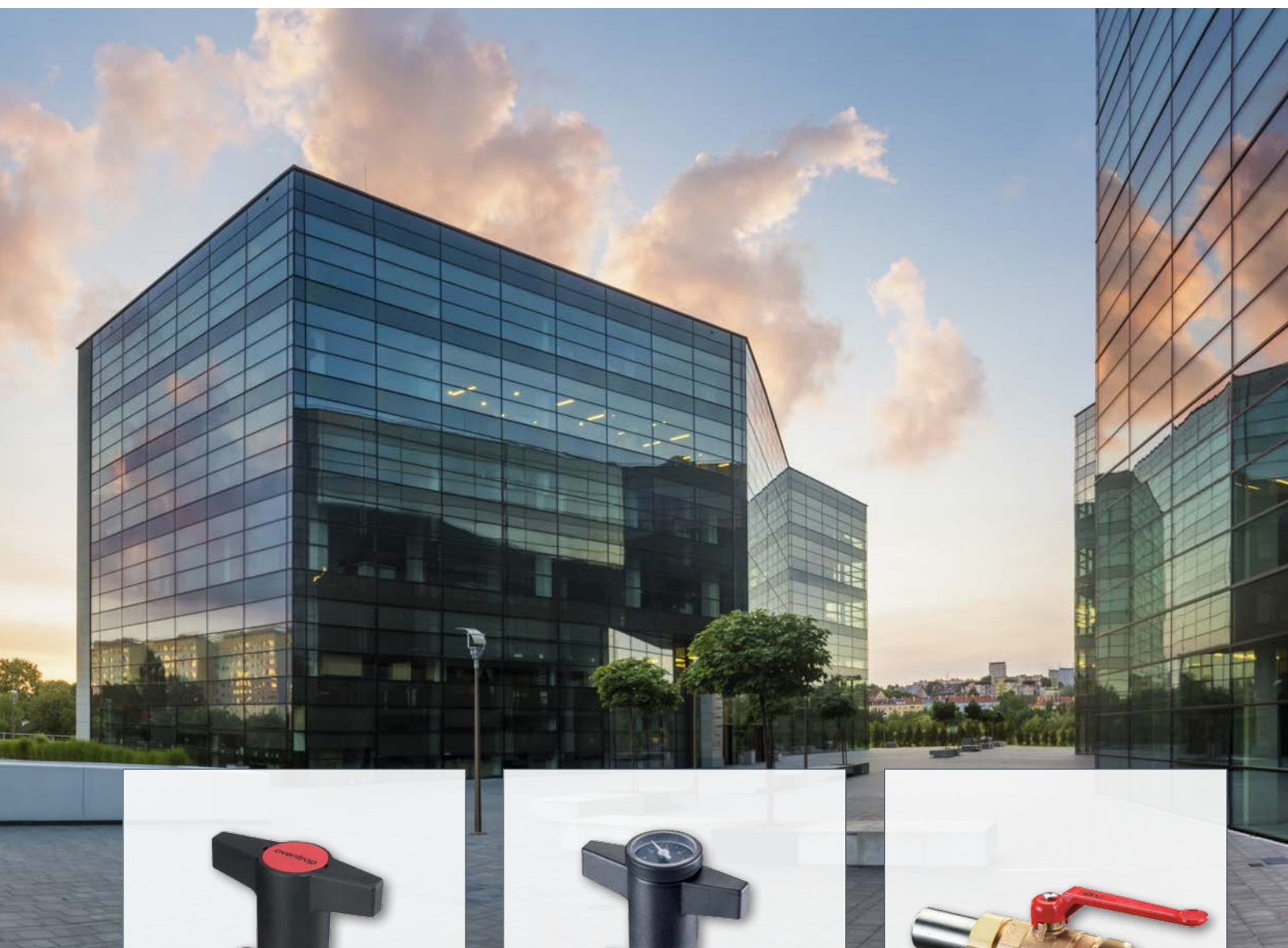


# oventrop

Hydronics

“Optibal” Ball valves





Ball valves both port female thread and one port male and one port female thread



Brass ball valves



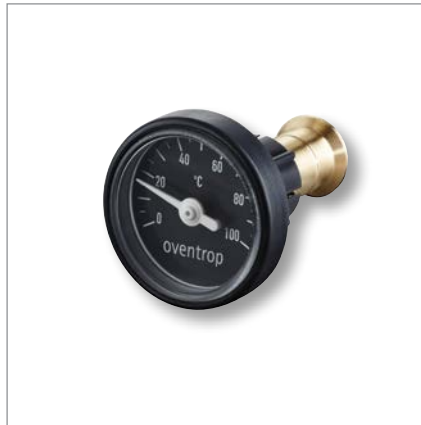
Ball valve with draining valve



Ball valve with coupling



Insulation made of expanded polypropylene



Thermometer conversion set

Oventrop brass and 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 model, they may be used for different fluids: Water, mineral, heating and hydraulic oil, fuel and air. Please observe the technical data sheet.

The ball valve is opened/closed by turning the handle or lever by 90°. The position of the ball is indicated by the position of the lever or handle which moves parallel to the ball. Even if the lever or handle is 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 are available
- simple insulation of the models with extended plastic handle or stem extension
- suitable for high pressures due to blow-off proof stem and solid bodies
- the ball valves with extended plastic handle can be upgraded with a thermometer
- ball valves with press connection for copper and stainless steel pipes available
- components and auxiliary materials free from silicone
- suitable for water and glycol mixtures with a glycol proportion up to 50%
- ball surface hard-chrome plated



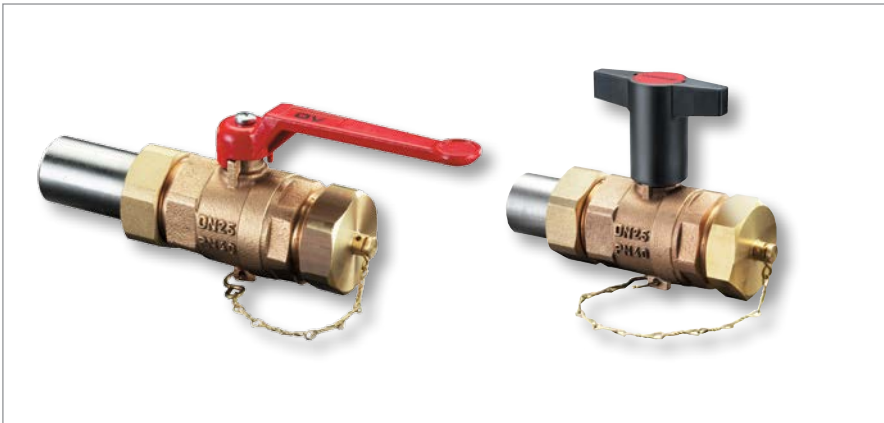
## “Optibal” Ball valves



Bronze ball valves “Optibal TW” for potable water

The bronze ball valves for potable water “Optibal TW” with full flow according to DIN EN 13828 (DN 15-DN 80) feature plugged draining orifices G ¼ on both sides. The ball is always surrounded by water and the valve does not feature a dead zone. For the direct connection of copper pipes according to EN 1057 and stainless steel pipes “NiroSan”, the ball valve “Optibal TW” is also available with press connection on both sides.

DVGW, GDV and VA certified.



Bronze ball valves

The isolating set “Optibal PK” with thermometers is a product assembly for the realisation of individual boiler connections.

The set consists of a pump ball valve with check valve for the installation at the pump inlet, a pump ball valve with red thermometer for the supply and a ball valve with blue thermometer for the return. The set includes two collar nuts made of nickel plated brass and two flat seals for the connection to the pump.

The set allows the installer to realise a connection between the boiler and the pipework according to requirements on site. Standard pumps with flat sealing male thread can be used.

Pump ball valves “Optibal P” made of nickel plated brass with and without check valve are used in central heating systems with circulation pump. They are directly connected to the pump with the help of a collar nut. Unwanted gravity circulation is prevented by the installation of a pump ball valve “Optibal P” with check valve at the pump inlet.



Isolating set “Optibal PK”

### Advantages “Optibal P”:



- dry running of the pump is avoided by the installation of a pump ball valve with check valve at the pump inlet
- extended plastic handle allowing for a continuous insulation, no stem extension required
- operating handle outside the insulation
- check valve lockable for gravity circulation
- blow-off proof stem
- suitable for water and glycol mixtures with a glycol proportion up to 50%



Pump ball valve “Optibal P” with check valve



Insulation for pump ball valves “Optibal P”

Room climate

Hydronics

Stations  
Storage  
cylinders  
Pipes

Potable water

Oil  
Solar

Smart Home  
Smart Building

Subject to technical modifications  
without notice.  
Private persons may purchase our  
products from their qualified installer.

Presented by:



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