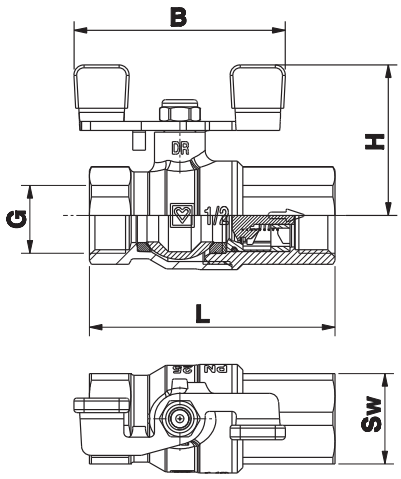
HERZ - BALL VALVE WITH CHECK VALVE

FOR HEATING

Data sheet for 1 **2110** XX, Issue 0324

Dimensions in mm



1 **2110** 0X

Order number	DN	PN [bar]	G ["]	L [mm]	H [mm]	A [mm]	B [mm]	Sw [mm]	Mass [kg]	Handle / color	
1 **2110** 01	15	16	1/2"	68	42	/	60	25	0,195	T-handle	red
1 **2110** 02	20	16	3/4"	77	44	/	60	31	0,356	T-handle	red

Material and construction

Body	forged brass acc. to EN 12165, nickel plated
Ball	forged brass acc. to EN 12165, with reduced bore, hollow, hard tin-plated, no dead leg
Spindle	machined brass acc. to EN 12164
Handle	steel sheet - Zn. plated
Ball seals	PTFE
Spindle seals	EPDM
Internal connection connectors	acc. to ISO 228
Check valve body	POM
Check valve O-ring	silicon

Operating data

Max. operating pressure	16 bar
Max. operating temperature	85°C
Medium	heating water

Heating water quality according to ÖNORM H5195 or VDI-Standard 2035.

Field of application

HERZ ball valve with check valve is used as a shut-off valve. The valve is used in heating system. Ball valves are used when the flow of the medium has to be reilably closed. Check valve has a function of a back-flow preventer.

Assembly instruction

Pay attention to the arrow on the housing which indicates the flow direction. Flow of the medium is possible only in this direction so the valve has to be installed in accordance with the arrow orientation. The threads of the pipe are coated with a suitable sealing material (spinning material, Teflon ribbon, sealing paste). There should not be excess of sealing material on the pipe because it can damage the thread. The ball valve with thread (G) is screwed onto the pipe. When using copper or plastic pipes take into account pressure and temperature limits of used material. When assembling, use a suitable assembly tool that adapts to valve end connections (Sw, Sw1). The ball valve can be mounted in any position: horizontal, vertical or upside-down. Following assembly, the connections of ball valve must be checked for watertightness by the installer. All engineering standards and recognised regulations must be adhered by these specialist staff. If there are impurities in the medium (water too hard, dust, etc.) there should be a filter installed, in other case the impurities can damage the seals in the valve.

Brass

Pursuant to Article 33 of the REACH Regulation (EC No. 1907/2006), we are obliged to point out that the material lead is listed on the SVHC list and that all brass components manufactured in our products exceed 0.1% (w / w) lead (CAS: 7439-92-1 / EINECS: 231-100-4). Since lead is a component part of an alloy, actual exposure is not possible and therefore no additional information on safe use is necessary.

Function principle

Inspect the position of the handle to see whether the ball valve is opened or closed. It is opened if the handle is aligned with the pipe and it is closed if the handle is positioned perpendicularly to the pipe. Open or close the ball valve byrotating the handle for 90°.

Maintenance instruction

According to EN 806-5 (point 6. Operation) valves should always be in their fully opened or closed position and actuated at regular intervals to ensure they remain operational. Therefore HERZ Ball valves must be closed and opened for several times periodically every six months. This prevents the ball valve from blocking, reduces sediment deposition and reduces the possibility of corrosion inside the valve.

Disposal instruction

The disposal of HERZ ball valves must not endanger the health or the enviroment. National legal regulations for proper disposal of the HERZ ball valves have to be followed.

Labels on the ball valve