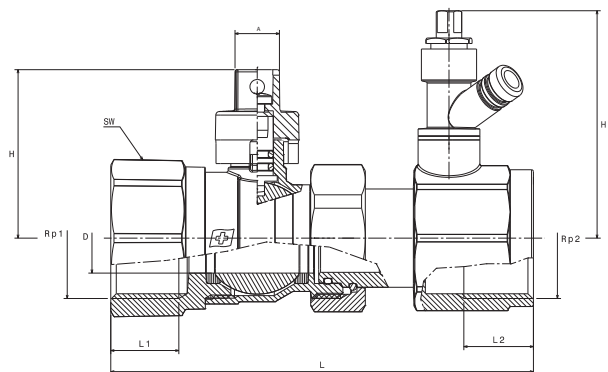


HERZ ball valve for expansion tank connection

Data sheet 1 **2205** 0X, Issue 0826

☑ Dimensions



Order nr.	DN [mm]	Rp [in]	Rp2 [in]	D [mm]	L [mm]	L1 [mm]	L2 [mm]	Sw [mm]	W [mm]	H [mm]	H1 [mm]	Weight [kg]
1 2205 02	20	3/4"	3/4"	15	98	16,3	16,3	31	12,4	42,8	60	0,36
1 2205 03	25	1"	1"	25	116	19,1	19,1	41	12,4	46,3	63	0,64

☑ Material and construction

Body:	forged brass acc. to EN 12165, nickel plated
Ball:	forged brass acc. to EN 12164, full bore, hard chrome plated
Spindle:	machined brass acc. to EN 12164
Ball seals:	PTFE
Spindle seals:	EPDM
Internal threaded connectors:	acc. to ISO 7-1

☑ Operating data

Max. operating pressure:	10 bar
Min. operating temperature:	-10 °C (water 0,5 °C)
Max. operating temperature:	+150 °C (no steam)

Medium:

Heating water quality according to ÖNORM H5195 or VDI-Standard 2035. The use of ethylene or propylene glycol in a mixing ratio 25- 50% is allowed. Please refer to manufacturers documentation when using ethylene glycol products for frost and corrosion protection. HERZ service valve is not suitable for usage of aggressive medium (such as: acids, alkalis, combustible and explosive gases) because it can destroy sealing components.

☑ Field of application

HERZ ball valve for expansion tank connection allows easy and quick maintenance of expansion vessels. It is equipped for proper integration in the system and has all the necessary functions for maintenance of expansion vessels. Expansion vessels with constant pre-charged pressure have to be checked regularly to ensure proper long term function of the vessel and the system (recommended annually). The ball valve for expansion tank connection may only be used as a shut-off device for the maintenance or replacement of an expansion vessel. Field of application are building services, such as heating or chilled water plants and solar systems.

☑ Assembly instruction

The threads of the pipe have to be 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 (Rp) is screwed onto the pipe. The pipes have to be correctly aligned, so the valve is not loaded with a bending moment. When using copper or plastic pipes take into account pressure and temperature limits of the pipe material. When assembling, use a suitable assembly tool that adapts to valve end connections (Sw). The ball valve for expansion tank connection can be mounted in any position: horizontal, vertical or upside-down. After assembly, the connections of service valve must be checked for water-tightness by the installer. All engineering standards and recognised regulations must be adhered to by these specialist staff. If there are impurities in the medium (water too hard, dust, etc.) a filter should be installed, otherwise the impurities can damage the seals in the valve.

☑ Operation

Remove the lead seal at the valve, take off the cap and close the valve. The diaphragm expansion tank is now separated from the heating system. Open the drain-off valve for draining the expansion tank. The pressure at the inlet of the expansion tank can now be checked by means of a pressure gauge and compared with the pressure indicated on the tag. After checking the pressure open the valve slowly. Close the drain-off valve as soon as water flows out. Finally the cap has to be replaced and be lead sealed again. The service valve must only be used as an isolation device.

☑ Brass

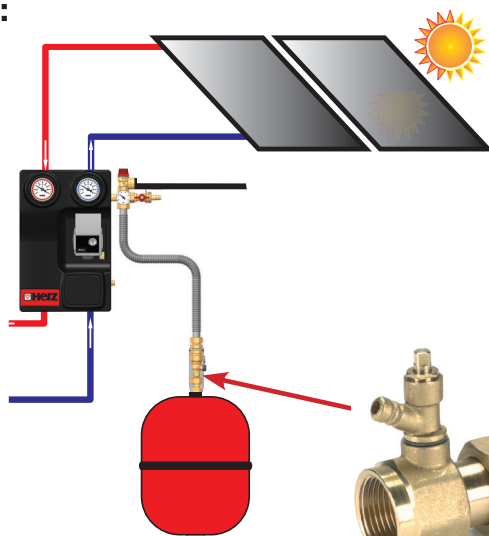
HERZ use top-quality brass in accordance with the latest European standards EN 12165 and EN 12164. The service valve body is constructed from brass due to its good strength, excellent corrosion resistance and a variety of other properties. Pursuant to Article 33 of the REACH Regulation (EC No. 1907/2006), 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.

☑ Disposal instruction

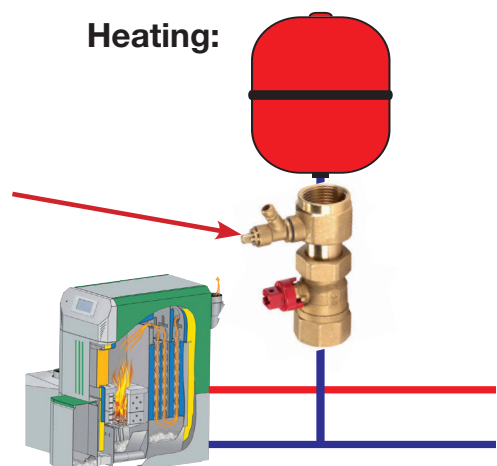
The disposal of HERZ ball valve for expansion tank connection must not endanger the health or the environment. National legal regulations for proper disposal of the HERZ ball valve for expansion tank connection have to be followed.

☑ Example of system with HERZ ball valve for expansion tank connection

Solar:



Heating:



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