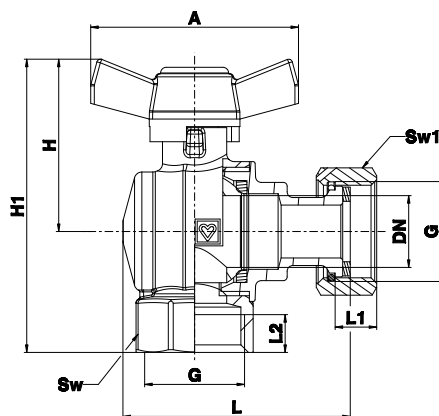


HERZ - MODUL Angled ball valve

with freely moving nut

Data sheet 1 **2224** 2X Issue 0420

☑ Dimensions



Order Nr.	DN	G [in]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	H1 [mm]	A [mm]	Sw [mm]	Sw1 [mm]
1 2224 21	15	1/2"	56	8	10	42	70	55	25	24
1 2224 22	20	3/4"	60	9	10	46	78	55	31	30

☑ Material and construction

Body:	forged brass acc. to EN 12165, nickel plated, CW617N
Ball:	forged brass acc. to EN 12165, hollow, full bore, hard chrome plated, CW617N
Spindle:	machined brass acc. to EN 12164, CW614N
Handles:	T-handle, red, silumin
Ball seals:	PTFE
Spindle seals:	PTFE
Flat sealing:	Dimersil 20
Internal threaded connectors:	acc. to ISO 228-1

☑ Operating data

Max. operating pressure:	PN 25 bar
Min. temperature:	-30 °C (water 0,5 °C)
Max. temperature:	150 °C (water up to 110 °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 ball valve for heating and chilled water 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 valves have to be used as shut off elements. Ball valves are used wherever the medium flow has to be reliably closed. Ball valve should not be used as regulating element so it has to be fully opened or fully closed (the handle should not be in intermediate position). The ball valve has included flat sealing gasket which simplifies installation process. The freely-movable nut can be sealed with wire and lead when using the valve in water-meter applications.

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 (G) is screwed onto the pipe. The pipes have to be correctly aligned, so the valve is not loaded with a bending moment. When using cooper 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). 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 water-tightness 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

HERZ use top-quality brass that responds to the latest European norms DIN EN 12164 and DIN EN 12165. Housings of ball valves are made 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.

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 by rotating the handle for 90°.

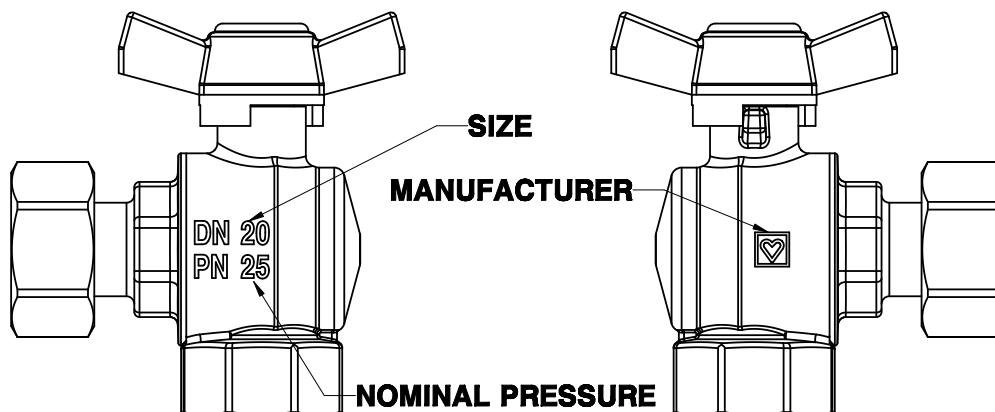
Maintenance instruction

When the ball valve is installed, it does not require any special maintenance. It is recommended to close and open the ball valve periodically (at least twice a year, every 6 months).

Disposal instruction

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

Labels on ball valve



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