

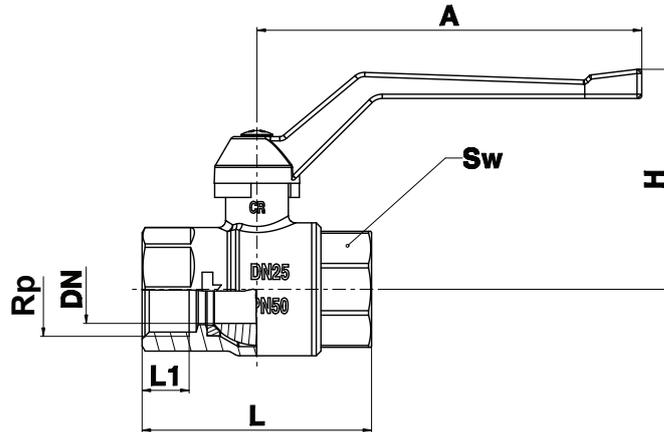


HERZ - Ball valve

with lever handle DZR

Data sheet 1 2190 0X, issue 0617

☑ Dimensions



| Order Nr. | DN | PN | Rp [in] | L [mm] | L1 [mm] | H [mm] | A [mm] | Sw [mm] | Weight [kg] |
|-----------|----|----|------------|-----------|------------|-----------|-----------|------------|----------------|
| 1 2190 01 | 15 | 50 | 1/2" | 59 | 13 | 53 | 90 | 25 | 0,24 |
| 1 2190 02 | 20 | 50 | 3/4" | 65 | 14 | 56 | 90 | 32 | 0,36 |
| 1 2190 03 | 25 | 50 | 1" | 80,5 | 16,5 | 77 | 135 | 41 | 0,67 |
| 1 2190 04 | 32 | 40 | 1-1/4" | 91 | 17 | 81 | 135 | 48 | 0,95 |
| 1 2190 05 | 40 | 40 | 1-1/2" | 104 | 19,5 | 95 | 180 | 55 | 1,67 |
| 1 2190 06 | 50 | 40 | 2" | 125,5 | 22,5 | 101 | 180 | 70 | 2,78 |

☑ Material and construction

| | |
|-------------------------------|--|
| Body: | forged brass acc. to EN 12165, CW602N DZR |
| Ball: | forged brass acc. to EN 12165, hollow, full bore, hard chrome plated, CW617N |
| Spindle: | machined brass acc. to EN 12164, CW614N |
| Handles: | lever handle, red, silumin |
| Ball seals: | PTFE |
| Spindle seals: | PTFE |
| Internal threaded connectors: | acc. to ISO228 |

☑ Operating data

| | |
|-----------------------------|---------------------------------|
| Max. operating pressure: | see table above |
| Min. operating temperature: | -30°C (water 0,5 °C) |
| Max. operating temperature: | 150°C (water 110 °C - no steam) |
| Construction and tests: | WRAS approved |

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 valve with lever handle DZR is designed for heating and cooling systems which have to withstand continuously changing working system parameters. It allows safe system operation even under conditions of significant changes of medium temperatures and sudden pressure loads. HERZ ball valve with lever handle DZR is made from CW602N; this material has DZR properties (dezincification resistant brass). The ball valve is bi-directional, that means it allows flow of the medium in both directions.

☑ 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, R) 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, 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 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. Some of HERZ ball valves have additional assembly instructions. Informations about this can be found in individual data sheets which are presented in this data sheet collection.

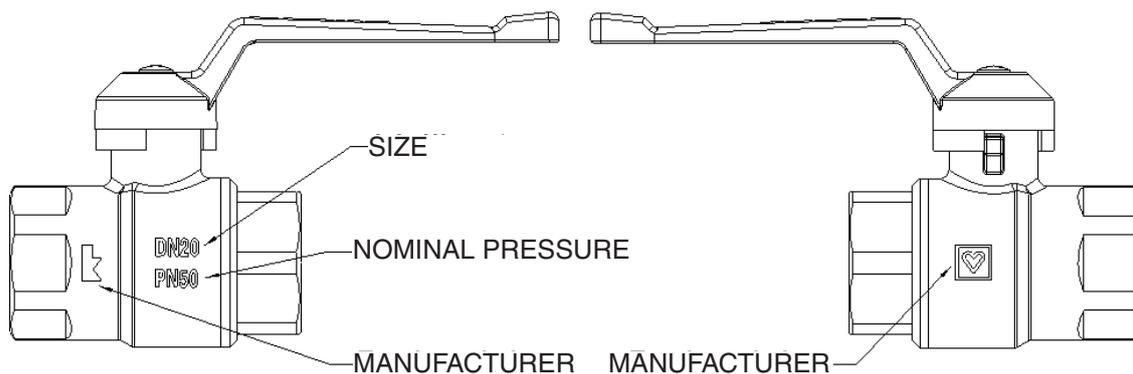
☑ Maintenance instruction

When the ball valve for heating and chilled water 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).

☑ Disposal instruction

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

☑ Labels on ball valve



Please note: all diagrams are indicative in nature and do not claim to be complete.

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