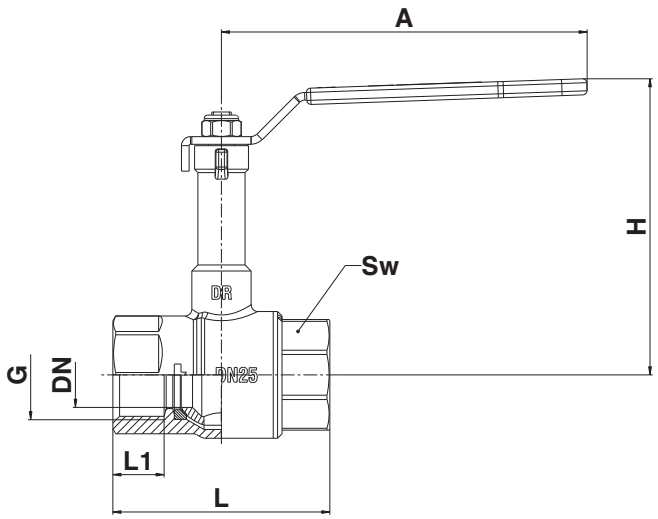
HERZ - Ball valve

with extended spindle DZR

Data sheet 1 **2190** 2X, issue 0521

Dimensions



Order Nr.	DN	G [in]	L [mm]	L1 [mm]	H [mm]	A [mm]	Sw [mm]	Weight [kg]
1 **2190** 21	15	1/2"	59	15	90	90	25	0,28
1 **2190** 22	20	3/4"	64	16	93	90	32	0,40
1 **2190** 23	25	1"	80,5	19	107	135	41	0,74
1 **2190** 24	32	1-1/4"	91	19,5	111	135	48	0,96
1 **2190** 25	40	1-1/2"	100	19,7	136	180	55	1,38
1 **2190** 26	50	2"	118	22,3	144	180	69	2,52

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, CW602N, DZR
Spindle:	machined brass acc. to EN 12164, CW614N
Handle:	lever handle, red, sheet steel - plated
Ball seals:	PTFE
Spindle seals:	EPDM
Internal threaded connectors:	acc. to ISO 228

Operating data

Max. operating pressure:	PN 25 bar
Min. operating temperature:	-10°C (water 0,5°C)
Min. short-term temperature load:	-50°C
Max. operating temperature:	130°C (water 110°C-no steam)
Max. short-term temperature load:	150°C
Construction and tests:	KUK Water Reg 4 Compliant

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. Please note that EPDM gaskets will be affected by Mineral oils lubricants and thus lead to failure of the EPDM seals in the valves that use EPDM seals. HERZ ball valve for heating and chilled water is not suitable for usage of agressive medium (such as: acids, alkalis, combustible and explosive gases..) because it can destroy sealing components.

Field of application

HERZ ball valve with extended spindle DZR is designed for building services such as heating or chilled water plants. The operating conditions (temperature, pressure) should be constant. Extended spindle allows easy installation of thicker insulation. The handle is isolated seperately so that the valve can be opened and closed without breaking or damaging the insulation. HERZ ball valve with extended spindle DZR is made from CW602N; this material has DZR properties (dezinfication 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 alligned, 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.

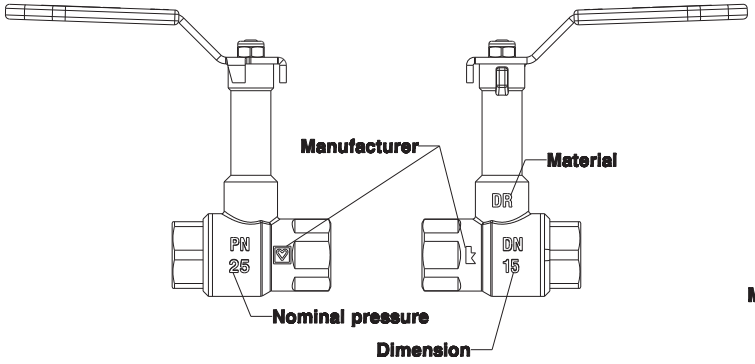
Maintenance instruction

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).

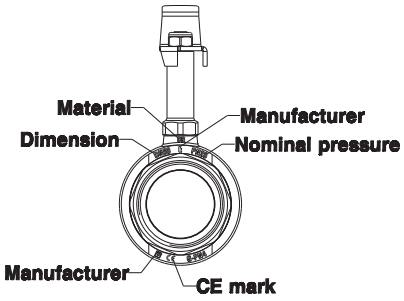
Disposal instruction

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

Labels on ball valve



1 **2190** 21 (24)



1 **2190** 25 (26)