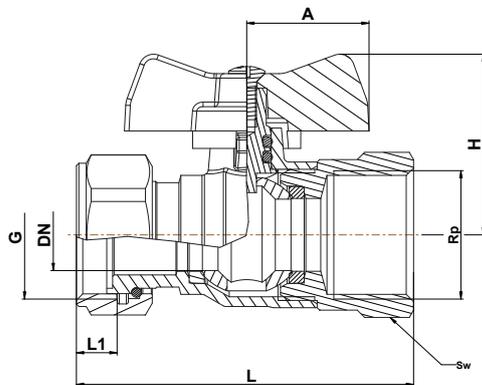


HERZ - ball valve

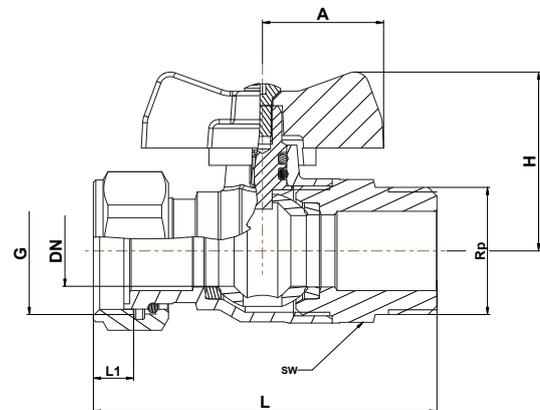
with free - moving nut

Data sheet X 2420 11 and 1 4019 9X Issue 1021

☑ Dimensions



X 2420 11



1 4019 9X

Order Nr.	DN	Handle color	G [in]	Rp [in]	L [mm]	L1 [mm]	H [mm]	A [mm]	Sw [mm]	Weight [kg]	Drinking water
1 2420 11	15	Red	3/4	3/4	68,9	8,3	37	50	32	0,232	-
2 2420 11	15	Green	3/4	3/4	68,9	8,3	37	50	32	0,232	+
1 4019 94	15	Red	3/4	3/4	70,9	8,3	37	50	27	0,222	-
1 4019 95	15	Green	3/4	3/4	70,9	8,3	37	50	27	0,222	+

☑ Material and construction

Body:	forged brass acc. to EN 12165, DZK, nickel plated, CW626N DZR, no dead leg
Ball:	forged brass acc. to EN 12165, DZK, hollow, full bore, hard chrome plated
Spindle:	machined brass acc. to EN 12164, CW614N
Handles:	T-handle, silumin
Ball seals:	PTFE
Spindle seals:	EPDM
Internal threaded connectors:	acc. to ISO 7-1
External threaded connectors:	acc. to ISO 7-1, flat sealing possible

☑ Operating data

Max. operating pressure:	PN 16 bar
Min. temperature:	-30 °C (water 0,5 °C)
Max. temperature:	130 °C (water up to 110 °C - no steam)

☑ Installation areas

1. Installation for potable water
2. Installation for heating and cooling

When the ball valve is used in heating systems, the heating water has to have 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 valves are not suitable for usage of aggressive medium (such as: acids, alkalis, combustible and explosive gases;) because it can destroy sealing components.

☑ Certification

2 2420 11 and 1 4019 95 are certified by WIEN-ZERT with the Austrian ÜA-sign for potable water.

☑ 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).

☑ 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 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 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 uses top-quality brass, that is in compliance with the UBA-list and the 4MS list and that responds to the latest European standards DIN EN 12164 and DIN EN 12165. 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°.

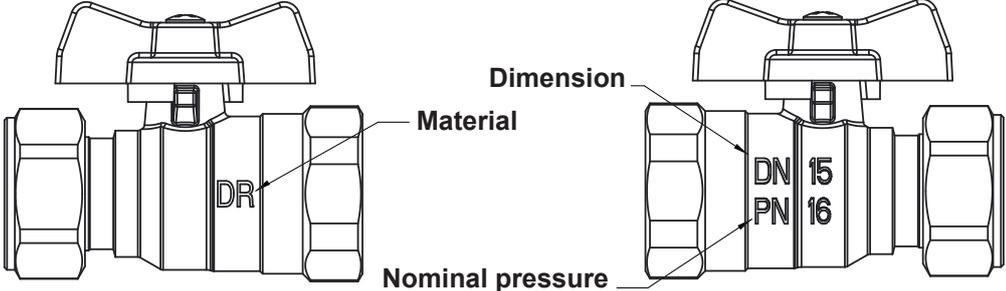
☑ Maintenance instruction

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 the ball valves must be closed and opened (repeated for several times) at least every 6 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 environment. National legal regulations for proper disposal of the HERZ ball valves have to be followed.

Labels on ball valve



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