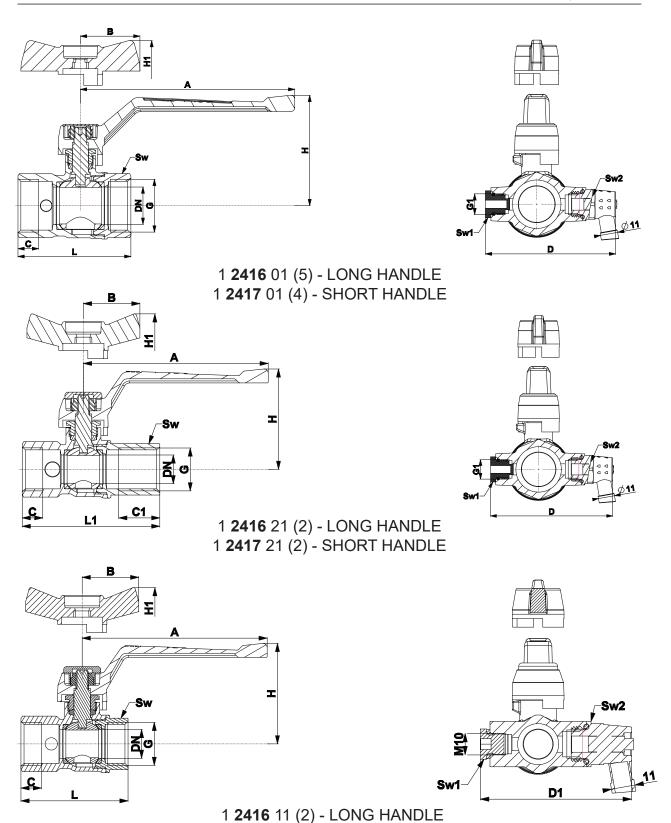


# HERZ - Ball valve with drain MULTIPORT

Datasheet 1 241X XX, Issue 0625



1 **2417** 11 (2) - SHORT HANDLE



#### ☑ Dimensions

DN	<b>G</b> ISO228	<b>G1</b> ISO228	L [mm]	L1 [mm]	D [mm]	D1 [mm]	C [mm]	C1 [mm]	A [mm]	B [mm]	H [mm]	H1 [mm]	Sw	Sw1	Sw2
15	G1/2	G1/4	52,1	67	69,1	70,1	11	22,6	90	55	48,8	38,4	25	17	19
20	G3/4	G1/4	59,4	71	74,5	75,5	11	22,6	90	55	51,1	40,6	30	17	19
25	G1	G1/4	71,1	-	82,5	-	14	-	135	75	69,5	53,5	38	17	19
32	G5/4	G1/2	81,5	-	89,0	-	15	-	135	75	73,0	57	47	22	19
40	G6/4	G1/2	90,5	-	95,5	-	15,5	-	180	-	112,0	-	52,5	22	19

## **☑** Construction

Body: forged brass acc. EN 12165, nickel-plated, CW617N

Ball: forged brass, chrom-plated, CW617N

Spindle: brass, CW617N

Handle: aluminium alloy: long/short red

Ball seal: PTFE Spindle and connection seal: PTFE

Connections: threads acc. ISO 228

## Operating data

Operating pressure: max. 25 bar

Operating range: -10°C to +110 °C, (water +0,5 °C to +110 °C - no steam)

Medium: water (non-aggressive media)

Heating water quality according to ÖNORM H5195 or VDI- Standard 2035. The use of ethylene or propylene glycol in amixing ratio 25-50% is allowed. Please refer to manufacturers documentation when using ethylene glycol productsforfrost 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. The 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.

## ☑ Description of HERZ ball valves for heating and chilled water

HERZ ball valves for heating and chilled water are high quality products that are assembled and pressure tested during the manufacturing process under constant quality control.

Advantages of HERZ ball valves for heating and chilled water are:

- all integrated components are the result of our own development,
- possibility of high pressure, high or low temperature and high flow of medium,
- easy to use and maintain,
- reliable design and long service life,
- permanent quality control of production in our own factories,
- easy installation

## ☑ Field of application

HERZ ball valves are designed for use as shut-off elements in building services, including heating and chilled water plants, as well as in industrial and construction applications. They are used wherever the medium flow needs to be reliably closed. Additionally, the valves function as closing, filling, and draining fittings, featuring a drainage valve mounted at the outlet (G1).

For draining an installation, the ball valve must first be closed before the medium is emptied. Before refilling, the drainage valve must be securely closed. Ball valves should not be used as regulating elements and must always be either fully opened or fully closed—keeping the handle in an intermediate position is not recommended.



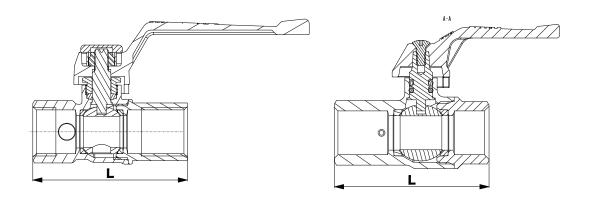
# 1. Factory assembled - Valves with plug and drain plug

Valves DN15–DN25 are equipped with plug 1 0240 09 and drain plug 1 0241 09. Valves DN32–DN40 are equipped with plug 1 2331 01 and drain plug 1 6383 23.

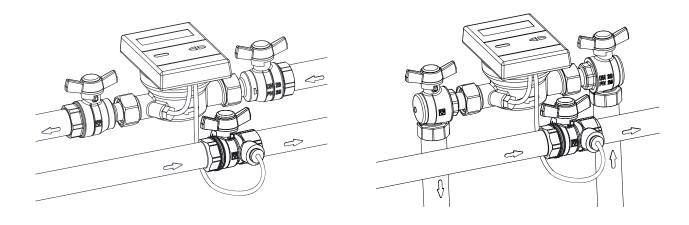


# 2. Extended version DN15-DN20

The extended valve version is designed to replace old drain valves (1 **2402** XX), maintaining the same face-to-face (installation) length.



3. DN15 and DN20 Multiport with M10 thread for water meter.





## 4. Accesories

# A) Thermometer 1 024001

To use a thermometer:

For valves DN15–DN25, only the thermometer is needed. For valves DN32–DN40, items 1 0241 01 and 1 0240 09 must also be purchased.



# B) Pressure gauge 1 2682 34

For valves DN15–DN25: remove plug 1 0240 09 or drain plug 1 0241 09 and install pressure gauge 1 2682 34. For valves DN32–DN40: remove plug 1 2331 01 or drain plug 1 6383 23 and install reducing plug 1 0241 01 together with pressure gauge 1 2682 34.



C) Drain valve G1/2" INOX 1 8635 56 and Filling ball valve G1/2" 1 2512 01

Suitable only for valves DN32-DN40.





## ☑ 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

## ☑ Brass

HERZ use top-quality brass that responds to the latest European norms DIN EN 12164, DIN EN 12165 and DIN EN 1982. Housings of ball valves are made from brass due to its good strength, excellent corrosion resistance and variety of other properties.

## ☑ 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

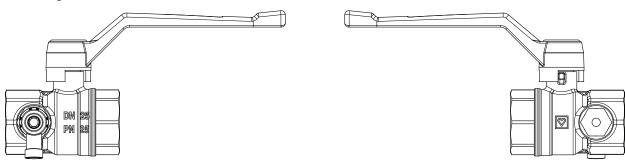
According to EN 806-5 (point 6. Operation) valves should always be in their fully opened or closed position and actuated at regular intervals to ensure they remain operational. Therefore HERZ Ball valves must be closed and opened for several times periodically every six months. This prevents the ball valve from blocking, reduces sediment deposition and reduces the possibility of corrosion inside the valve.

## ☑ Disposal instruction

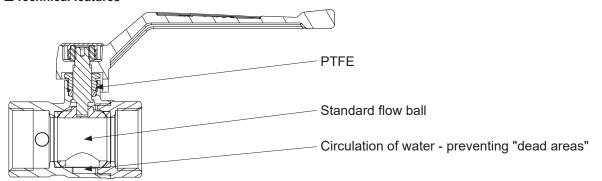
The disposal of HERZ ball valves for heating and chilled water must not endanger the health or the environment. National legal regulations for proper disposal of the HERZ ball valves for heating and chilled water have to be followed.

#### ☑ Labels on ball valves

#### ☑ Housing



## ☑ Technical features



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# ☑ Spare parts

Illustration	Description	Item number
	Drain plug G1/4" (DN15-DN25)	1 <b>0241</b> 09
	Drain plug G1/2" (DN32-DN40)	1 <b>6383</b> 23
	Plug G1/4" (DN15-DN25)	1 <b>0240</b> 09
	Plug G1/2" (DN32-DN40)	1 <b>2331</b> 01
	Pressure gauge 0 - 10 bar	1 <b>2682</b> 34
AN SO	Thermometer	1 <b>0240</b> 01
	Reducing plug G1/2"-1/4 (DN32-DN40)	1 <b>0241</b> 01
	Plug M10 with teflon (DN15-DN20)	1 <b>0242</b> 09
	Drain valve G1/2" INOX (DN32-DN40)	1 <b>8635</b> 56
	Filling ball valve G1/2" (DN32-DN40)	1 <b>2512</b> 01