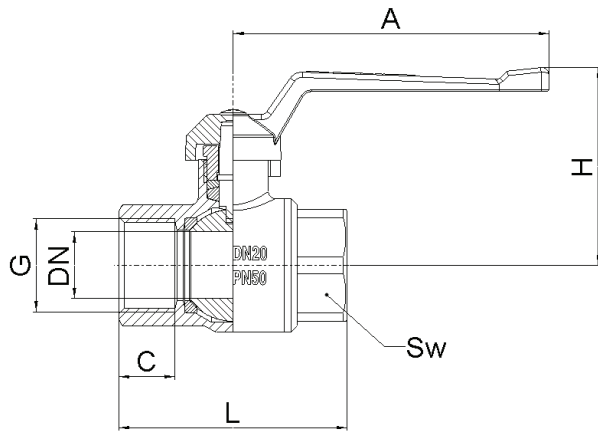


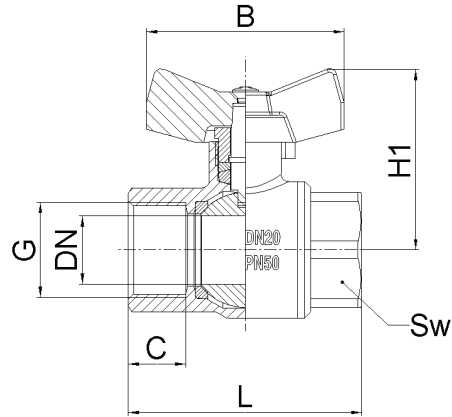
# HERZ - Ball valve

Data sheet 1 2100 0x, issue 0521

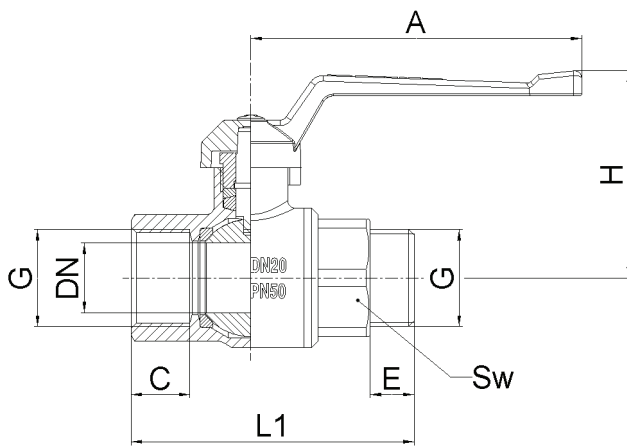
**☑ Dimensions**



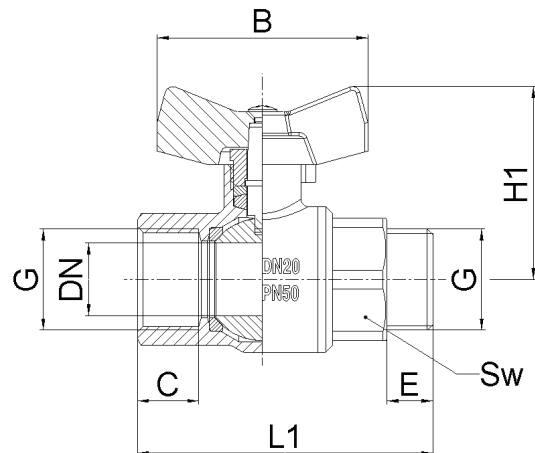
1 2100 00 (09)



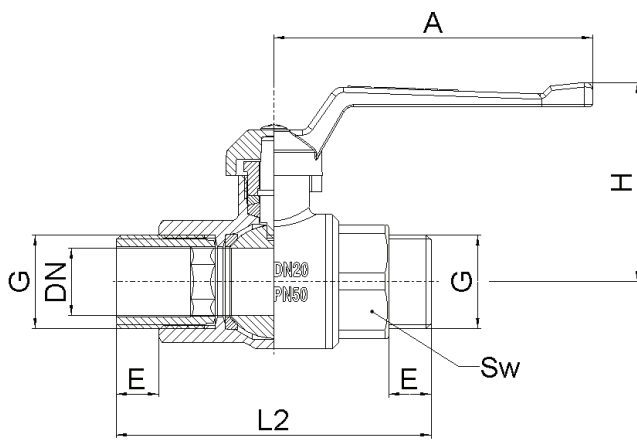
1 2100 10 (19)



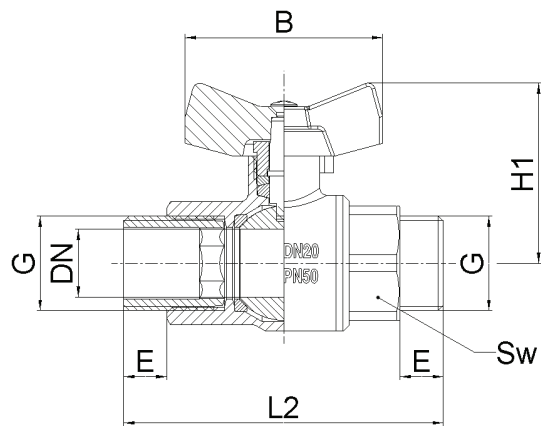
1 2160 00 (09)



1 2160 10 (19)



1 2180 00 (09)



1 2180 10 (19)

DN	PN [bar]	G [in]	L [mm]	L1 [mm]	L2 [mm]	C [mm]	E [mm]	A [mm]	B [mm]	H [mm]	H1 [mm]	Sw [mm]
8	63	1/4	43	52	61	10,5	9	60	40	45	41	17
10	63	3/8	45	54	63	11	9	60	40	56	43	21
15	50	1/2	59	72	85	15	13	90	55	53	47	25
20	50	3/4	65	77	89	16	13	90	55	57	53	32
25	50	1	80	95	110	19	15	135	75	77	57	41
32	40	1-1/4	91	106	122	19,5	16	135	75	81	60	48
40	40	1-1/2	104	120	136	22	16	180	/	96	/	55
50	40	2	125	142	159	25	17	180	/	101	/	70
65	16	2-1/2	146	/	/	25	/	210	/	124	/	85
80	16	3	179	/	/	28	/	210	/	134	/	100

**Weight of ball valves [kg]**

DN	1 2100 00 (09)	1 2100 10 (19)	1 2160 00 (09)	1 2160 10 (19)	1 2180 00 (09)	1 2180 10 (19)
8	0,120	0,118	0,130	0,122	0,130	0,125
10	0,140	0,138	0,156	0,138	0,178	0,174
15	0,230	0,230	0,260	0,260	0,300	0,290
20	0,350	0,350	0,400	0,400	0,440	0,434
25	0,660	0,640	0,744	0,718	0,820	0,800
32	0,950	0,930	1,100	1,065	1,217	01,165
40	1,640	/	1,178	/	1,834	/
50	2,780	/	3,000	/	3,100	/
65	4,760	/	/	/	/	/
80	6,200	/	/	/	/	/

**Index of order numbers**

When selecting the valve, please note the last number of the order number from the table below  
(1 2100 0X / 1 2100 1X / 1 2160 0X / 1 2160 1X / 1 2180 0X / 1 2180 1X)

	DN8	DN10	DN15	DN20	DN25	DN32	DN40	DN50	DN65	DN80
X	9	0	1	2	3	4	5	6	7	8

**Models of ball valves**

- 1 2100 00 (09) = internal / internal thread, handle silumin lever handle red
- 1 2100 10 (19) = internal / internal thread, handle silumin T-handle red
- 1 2160 00 (09) = internal/external, handle silumin lever handle red
- 1 2160 10 (19) = internal/external, handle silumin T-handle red
- 1 2180 00 (09) = external / external thread, handle silumin lever handle red
- 1 2180 10 (19) = external / external thread, handle silumin T-handle red

**Material and construction**

Body (1 2100 X0 - X4, X9):	forged brass acc. to EN 12165, CW617N
Body (1 210X X7 - X8):	casted brass acc. to EN 1982, CW617N
Ball (1 2100 X0 - X4, X9):	forged brass acc. to EN 12165, hollow, full bore, hard chrome plated, CW617N
Ball (1 210X X7 - X8):	casted brass acc. to EN 1982, hollow, full bore, hard chrome plated, CW617N
Spindle:	machined brass acc. to EN 12164, CW614N
Handles:	lever handle, red, silumin T-handle, red, silumin
Ball seals:	PTFE
Spindle seals:	PTFE
Internal threaded connectors:	acc. to ISO 228-1

**☑ Operating data**

Max. operating pressure: see table above  
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**

Ball valve heavy type 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. The ball valve is bi-directional, that means it allows flow of the medium in both directions.

**☑ Additional informations**

For further informations about the field of application, brass, function principle, assembly, maintenance and disposal instructions see chapter "General information" on page 2.

**☑ Labels on ball valve**