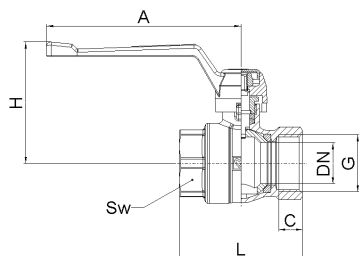


HERZ - Ball valve

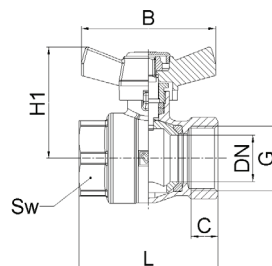
MODUL DZR

Datasheet 1 220X XX

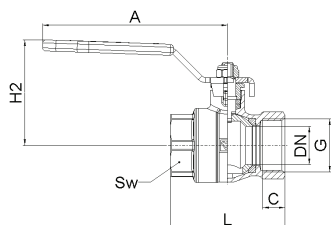
Dimensions



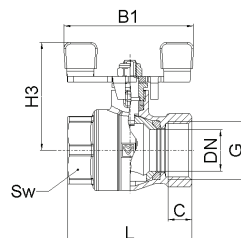
1 2206 01(06)



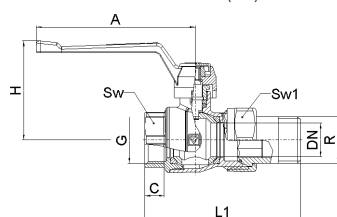
1 2206 11(14)



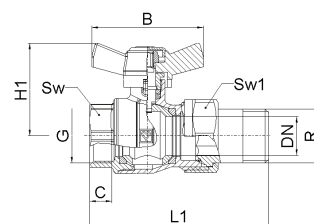
1 2206 21(26)



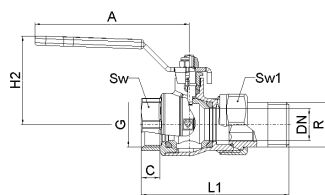
1 2206 31(34)



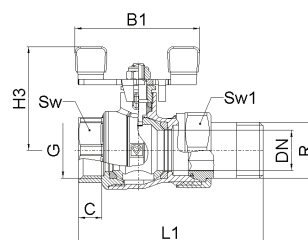
1 2216 01(06) (PN16)



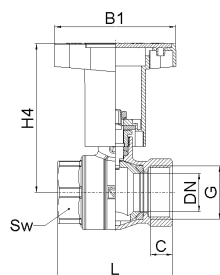
1 2216 11(14) (PN16)



1 2216 21(26) (PN16)

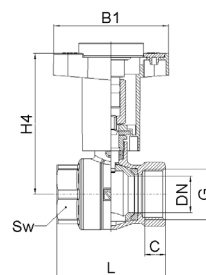


1 2216 31(34) (PN16)



1 2206 41(46)

1 2206 51(56)



1 2206 61(66)

1 2206 71(76)

DN	PN [bar]	PN1 [bar]	G ISO228	R [ISO7/1]	L [mm]	L1 [mm]	L2 [mm]	C [mm]	E [mm]	A [mm]	B [mm]	B1 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	Sw [mm]	Sw1 [mm]
15	25	16	G1/2	R1/2	51	74	64	10	13	90	55	60	53	42	49	46	70	25	30
20	25	16	G3/4	R3/4	57	88	69	11	15	90	55	60	56	46	52	49	74	31	36
25	25	16	G1	R1	73	106	84	16	17	135	75	85	72	56	63	64	81	39	46
32	25	16	G5/4	R5/4	84	123	97	18	19	135	75	85	77	61	68	69	86	48	52
40	25	16	G6/4	R6/4	95	142	105	17	20	180	-	120	93	-	86	-	121	55	60
50	25	16	G2	R2	112	166	120	19	23	180	-	120	100	-	93	-	128	70	75

☑ Weight of ball valves

DN	Weight [kg]									
	1 2206 01 -6	1 2206 11 -4	1 2206 21 -6	1 2206 31 -4	1 2216 01 -6	1 2216 11 -4	1 2216 21 -6	1 2216 31 -4	1 2206 41 -6	1 2206 61 -6
15	0,170	0,163	0,178	0,170	0,232	0,225	0,250	0,230	0,172	0,206
20	0,250	0,242	0,253	0,246	0,360	0,355	0,380	0,382	0,252	0,286
25	0,458	0,440	0,486	0,458	0,680	0,670	0,700	0,669	0,460	0,475
32	0,706	0,670	0,765	0,712	1,025	1,01	1,046	1,022	0,690	0,730
40	1,186	/	1,213	/	1,612	/	1,634	/	1,136	1,152
50	1,958	/	2,0	/	2,628	/	2,625	/	1,926	1,954

☑ Models

- 1 2206 01 (06) = IG x IG, Silumin – Lever handle
- 1 2206 11 (14) = IG x IG, Silumin – T-handle
- 1 2206 21 (26) = IG x IG, steel sheet - plated, lever handle
- 1 2206 31 (34) = IG x IG, steel sheet - plated, T-lever
- 1 2216 01 (06) = IG x connection, Silumin – lever handle
- 1 2216 11 (14) = IG x connection, Silumin – T-lever
- 1 2216 21 (26) = IG x connection, steel sheet - plated, lever handle
- 1 2216 31 (34) = IG x connection, steel sheet - plated, T-handle
- 1 2206 41 (46) = IG x IG, synthetic material - red
- 1 2206 51 (56) = IG x IG, synthetic material - blue
- 1 2206 61 (66) = IG x IG, synthetic material with thermometer – red
- 1 2206 71 (76) = IG x IG, synthetic material with thermometer –blue

☑ 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
Handles:	lever handle, red, silumin T-handle, red, silumin T-handle, red / blue, synthetic material PA66 GF30 T-handle with thermometer, red / blue, synthetic material PA66 GF30 lever handle, red, sheet steel - plated T-handle, red, sheet steel - plated
Ball seals:	PTFE
Spindle seals:	PTFE
Screw joint connector seals:	
(1 2211 X1 - X3)	EPDM (O-ring)
(1 2211 X4 - X6)	KLINGER (flat sealing)
Internal threaded connectors:	acc. to ISO 228-1
External threaded connectors:	acc. to ISO 7-1

☑ Operating data

Max. operating pressure: PN 25 bar, screw joint connector PN 16 bar
Min. temperature: -30°C (water 0,5 °C)
Max. temperature: 150°C (water up to 110 °C - no steam)

Medium:

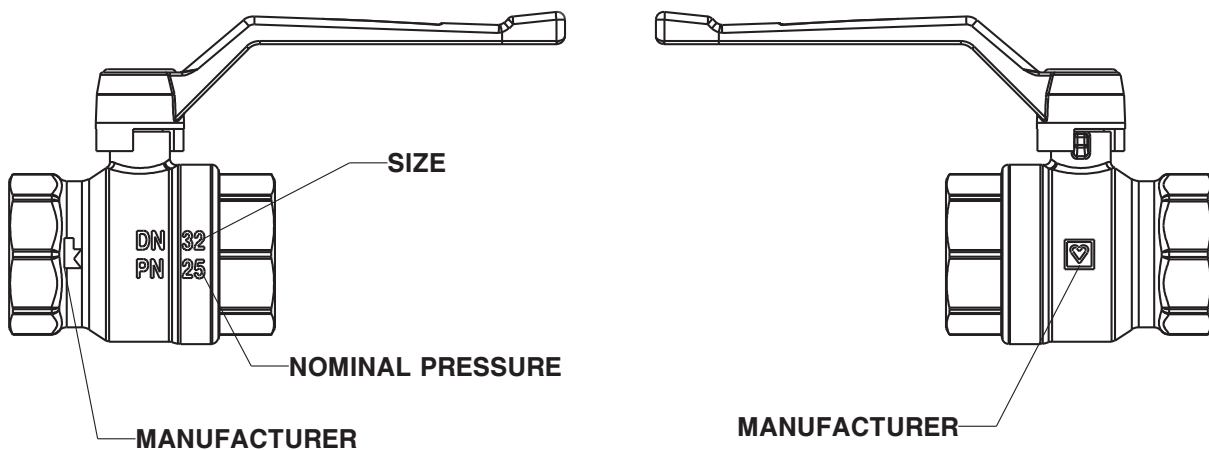
Heating water quality according to ÖNORM H5195 or VDI-Standard 2035. The use of ethylene or propylene glycol in a mixing ratio 25- 50% is allowed. Please refer to manufacturers documentation when using ethylene glycol products for frost and corrosion protection. Please note that EPDM gaskets will be 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 aggressive medium (such as: acids, alkalis, combustible and explosive gases..) because it can destroy sealing components.

☑ Field of application

HERZ - ball valve MODUL DZR is designed for building services such as heating and chilled water plants. The operating conditions (temperature, pressure) should be constant. HERZ ball valve MODUL DZR is made from CW602N; this material has DZR properties (dezinfection resistant brass).

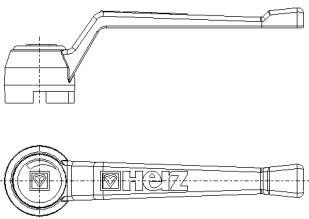
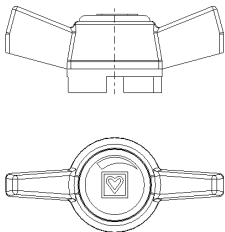
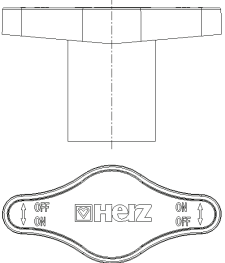
☑ Additional informations

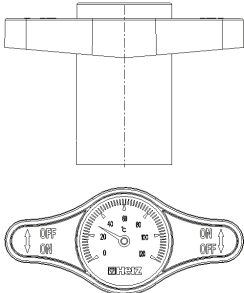
For further informations about the field of application, brass, function principle, assembly, maintenance and disposal instructions see chapter "General information" on page 2.

☑ Labels on ball valve

HERZ - ball valves for heating

SPARE PARTS

Illustration	Description	Item number	Suitable with
	Lever handle RED L = 90 mm Silumin	1 6386 41	1 2201 01(02) 1 2211 01(02) 1 2228 01(02) 1 2206 01(02) 1 2216 01(02)
	Lever handle RED L = 135 mm Silumin	1 6386 42	1 2201 03(04) 1 2211 03(04) 1 2228 03(04) 1 2206 03(04) 1 2216 03(04)
	Lever handle RED L = 180 mm Silumin	1 6386 43	1 2201 05(06) 1 2211 05(06) 1 2228 05(06) 1 2206 05(06) 1 2216 05(06) 1 2228 05(06)
	T - handle RED L = 55 mm Silumin	1 6386 44	1 2201 11(12) 1 2211 11(12) 1 2228 01(02) 1 2206 11(12) 1 2216 11(12) 1 2268 03 (04) 1 2269 03 (04)
	T - handle RED L = 75 mm Silumin	1 6386 45	1 2201 13(14) 1 2211 13(14) 1 2228 03(04) 1 2206 13(14) 1 2216 13(14)
	T - handle RED L = 60 mm Synthetic material	1 6386 46	1 2201 41(42) 1 2206 41(42)
	T - handle BLUE L = 60 mm Synthetic material	1 6386 47	1 2201 51(52) 1 2206 51(52)
	T - handle RED L = 85 mm Synthetic material	1 6386 48	1 2201 43(44) 1 2206 43(44) 1 2229 03 (04) 1 2229 23 (24)
	T - handle BLUE L = 85 mm Synthetic material	1 6386 49	1 2201 53(54) 1 2206 53(54) 1 2229 05 (06) 1 2229 25 (26)
	T - handle RED L = 120 mm Synthetic material	1 6386 50	1 2201 45(46) 1 2206 45(46)
	T - handle BLUE L = 120 mm Synthetic material	1 6386 51	1 2201 55(56) 1 2206 55(56)

	T - handle RED L = 60 mm Synthetic material (thermometer not included)	1 6386 52	1 2201 61(62) 1 2206 61(62)
	T - handle BLUE L = 60 mm Synthetic material (thermometer not included)	1 6386 53	1 2201 71(72) 1 2206 71(72)
	T - handle RED L = 85 mm Synthetic material (thermometer not included)	1 6386 54	1 2201 63(64) 1 2206 63(64) 1 2229 13(14) 1 2229 33(34)
	T - handle BLUE L = 85 mm Synthetic material (thermometer not included)	1 6386 55	1 2201 73(74) 1 2206 73(74) 1 2229 15 (16) 1 2229 35 (36)
	T - handle RED L = 120 mm Synthetic material (thermometer not included)	1 6386 56	1 2201 65(66) 1 2206 65(66)
	T - handle BLUE L = 120 mm Synthetic material (thermometer not included)	1 6386 57	1 2201 75(76) 1 2206 75(76)
	Thermometer Scale 0 - 120°C	1 6386 58	1 2201 61(66) 1 2206 61(66) 1 2201 71(76) 1 2206 71 (76)