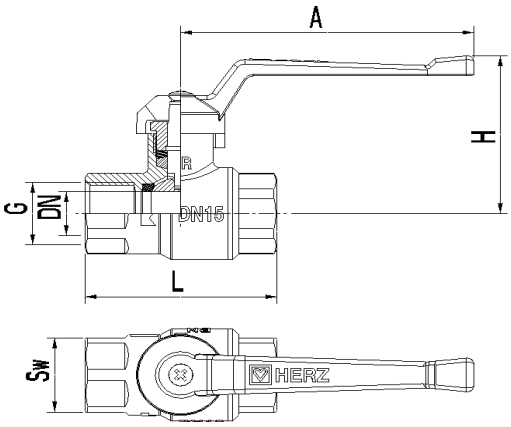
HERZ-Ball Valves 2190

Data sheet for
2190
Issue 0309



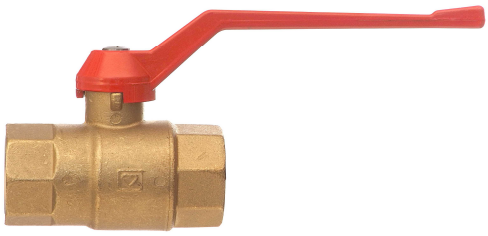


Figure	Dimension:	PN	DN	G	L	H	A	Sw
1 **2190** 01	1/2"	50	15	1/2"	59	53	90	25
1 **2190** 02	3/4"	50	20	3/4"	65	57	90	32
1 **2190** 03	1"	50	25	1"	80	71	135	41
1 **2190** 04	1-1/4"	40	32	1-1/4"	91	75	135	48
1 **2190** 05	1-1/2"	40	40	1-1/2"	104	93	180	55
1 **2190** 06	2"	40	50	2"	125	101	180	70

dimensions (mm)

Design

Body:	forged DZR brass acc. EN 12420 (corrosive resistant),
Connection:	female thread acc.ISO 228
Ball:	pressed brass, full bore, machined to a microsmooth finish, chrome plated
Spindle:	brass
T Handle:	Aluminium alloy, plastic red dipped
Handle:	steel with plastic cover
Handle:	steel, galvanic Zn platted

HERZ ball valve with extended spindle

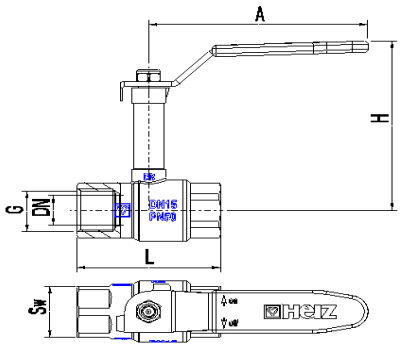




Figure	Dimension:	PN	DN	G	L	H	A	Sw
1 **2190** 21	1/2"	25	15	1/2"	59	90	90	25
1 **2190** 22	3/4"	25	20	3/4"	64	93	90	32
1 **2190** 23	1"	25	25	1"	80.5	107	135	41
1 **2190** 24	1-1/4"	25	32	1-1/4"	91	111	135	48
1 **2190** 25	1-1/2"	25	40	1-1/2"	100	136	180	55
1 **2190** 26	2"	25	50	2"	118	144	180	68

Dimensions (mm)

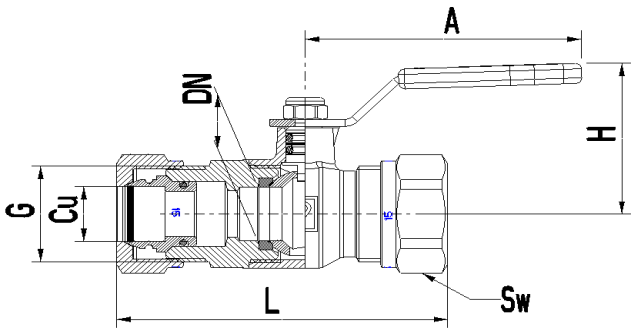
Operating data

Connections:	female thread acc.ISO 228
Sealing elements:	PTFE- polytetrafluoretylen (ball and spindle)
Maximum pressure:	Depends on dimension (bar)
Minimum temeprature:	-10°C (short period -50°C), water 0.5°C
Maximum temperature:	130°C (short period 150°C),water 110°C

We reserve the right to make modifications in line with progress in engineering.

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HERZ ball valve with compression Ends





Model	Dimension	PN	Cu	G	L	H	A	Sw
1 2190 41	DN15	16	15	3/4"	84	42	70	30
1 2190 42	DN20	16	22	1"	86	49	90	36
1 2190 43	DN25	16	28	1-1/4"	111	61	135	46
1 2190 44	DN32	16	35	1-1/2"	135	65	135	55
1 2190 45	DN40	16	42	1-3/4"	147	84	180	55
1 2190 46	DN50	16	54	2-3/8"	181	90	180	75
1 2190 61	DN15	16	15	3/4"	84	90	70	30
1 2190 62	DN20	16	22	1"	86	97	90	36
1 2190 63	DN25	16	28	1-1/4"	111	110	135	46
1 2190 64	DN32	16	35	1-1/2"	135	113	135	55
1 2190 65	DN40	16	42	1-3/4"	147	135	180	55
1 2190 66	DN50	16	54	2-3/8"	181	143	180	75

dimensions (mm)

Operating data

Connections: Compression fitting ends to BS 864/2
Sealing elements: PTFE- polytetrafluorethylene (ball),
EPDM 70 ShA (spindle, compression rings)
Maximum pressure 16 bar (20 ˚C)
Maximum temperature 120 ˚C (5 bar)

Field of application

The ball valve is used in installations as an isolation valve.
For use in the central heating systems, energy systems, construction engineering and mechanical engineering.
Generally can be used with all non aggressive fluids such as hot water, wash liquids, dry compressed air.
For use where one expects durability even if the working conditions are exceeded.

Instruction for assembly and maintenance

Use spinning material, PTFE, Teflon ribbon or sealing paste to seal the connection between the pipe and the ball valve end connections. Screw the pipe into end connections with a suitable assembly tool (Sw) not to exceed the maximum torque moment.
We recommend using the Ball valve in the index position, fully open or closed, not in a mid position.
The ball valve does not need special maintenance.
At least twice per year exercise the valve.

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In case of any further questions don't hesitate to contact your closest HERZ Branch-office.

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