	New ball valve									Data sheet for 1 2201 0X Issue 0811
Figure	Dimension:	PN	G	L	Н	Α	Sw	Sw		Dimension (mm)
1 2201 01	DN15	25	G1/2"	51	53	90	25	25		
1 2201 02	DN20	25	G3/4"	57	56	90	31	31		
1 2201 03	DN25	25	G1"	73	73	135	39	39		
1 2201 04	DN32	25	G1-1/4"	84	79	135	48	48		
1 2201 05	DN40	25	G1-1/2"	99	93	180	55	55		
1 2201 06	DN50	25	G2"	112	99	180	68	70		
Body:forged brass acc. EN 12420, nickel plattedNut:forged brass acc. EN 12420, nickel plattedBall:forged brass, hollow bore, chrome plattedSpindle:mashined brassHandle:silumin long, redConnections:connection thread acc. to ISO 228								Construction		
Ball:PTFE- polytetrafluoretylenSpindle:PTFE- polytetrafluoretylen							Sealing elements			
Spindle:PTFE- polytetranuoretylenOperating pressure:see chart above under PN (20 °C)Operating temperature:from -30 to +150°C (water from -0,5 °C to +110°C -no steam)Medium:unaggresive type (water, oil, air)						Technical data We reserve the right to make modifications in line with progress in engineering.				

Ball valve is used in installations as shut off-valve. For use in the central neating 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 expect durability even if we exceeds the working conditions.	Application
Use PTFE, Teflon ribbon or sealing paste to seal the connection between the oipe and the valve. Screw the pipe int end with a suitable assembly tool (Sw) not exceed the maximum torque. We recommend the valve in used in the index position, not in a mid position. The ball valve does not need special mainte- nance. At least twice per year exercise the valve.	Instruction and assembly

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2



New ball valve Data sheet for 1 2201 1X Issue 0811 Д Sw 6e Т Ζ (¹) \sim **Dimension (mm)** Figure Dimension PN G L Н Α Sw Sw 1 2201 11 **DN15** 25 G1/2" 42 55 25 51 25 1 2201 12 DN20 25 G3/4" 57 56 55 31 31 1 2201 13 DN25 25 G1" 73 57 75 39 39 G1-1 2201 14 DN32 25 84 63 75 48 48 1/4" Construction Body: forged brass acc. EN 12420, nickel platted Nut: forged brass acc. EN 12420, nickel platted Ball: forged brass, hollow bore, chrome platted Spindle: mashined brass Handle: silumin short, red Connections: connection thread acc. to ISO 228 **Sealing elements** Ball: PTFE- polytetrafluoretylen Spindle: PTFE- polytetrafluoretylen

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

Operating pressure: Operating temperature: Medium:	see chart above under PN (20 °C) from -30 to +150°C (water from -0,5 °C to +110°C -no steam) unaggresive type (water, oil, air)	Technical data					
heating systems, energy systems engineering. Generally can be us	as shut off-valve. For use in the central , construction engineering and mechanical ed with all non aggressive fluids such as hot sed air. For use where one expect durability onditions.	Application					
pipe and the valve. Screw the pip not exceed the maximum torque. position, not in a mid position. The nance. At least twice per year exe		Instruction and assembly					
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	Data sheet for 1 2201 2X Issue 0811							
Figure	Dim	PN	G	L	н	Α	Sw	Dimension (mm)
1 2201 21	DN15	25	G1/2"	L 51	п 48	90	25	
1 2201 21	DN13 DN20	25	G3/4"	57	40 52	90	31	
1 2201 22	DN20	25	G3/4 G1"	73	63	135	39	
1 2201 23	DN23 DN32	25	G1-1/4"	84	69	135	48	
1 2201 24	DN32 DN40	25	G1-1/4 G1-1/2"	99	85	180	55	
1 2201 25	DN40 DN50	25	G2"	112	91	180	68	
	Direct		U.L			100		
Body:forged brass acc. EN 12420, nickel plattedNut:forged brass acc. EN 12420, nickel plattedBall:forged brass, hollow bore, chrome plattedSpindle:mashined brassHandle:steel, Zn galvanized, plastic cover, redConnections:Thread acc. ISO 228							Construction	
Ball: PTFE- polytetrafluoretylen Spindle: PTFE- polytetrafluoretylen								Sealing elements We reserve the right to make modifications in line with progress in engineering.



Operating pressure: Operating temperature:	see chart above under PN (20 °C) from -30°C to +150°C(water from -0,5 °C to +110°C -no steam)	Technical data
Medium:	unaggresive type (water, oil, air)	
heating systems, energy system engineering. Generally can be	is as shut off-valve. For use in the central ms, construction engineering and mechanical used with all non aggressive fluids such as hot essed air. For use where one expect durability g conditions.	Application
pipe and the valve. Screw the pot exceed the maximum torqu	ling paste to seal the connection between the bipe int end with a suitable assembly tool (Sw) ie. We recommend the valve in used in the index The ball valve does not need special mainte- exercise the valve.	Instruction and assembly
information. We reserve the rig are understood to be symbolic Any colour variations are depe	chure appertain to that available at the time of print ht to make changes in the event of technical advan representations and may therefore vary visually fro ndent upon the printing technology used. Products right to make changes to technical specifications ar	mements. The illustrations in the actual products. may also vary according

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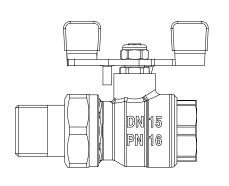
contact your nearest branch of HERZ with any questions.





New ball valve

Dimension (mm)



Body:

Spindle:

Handle:

Conn. F:

Conn. M:

Ball:

Holand con.:

Nut: Ball:

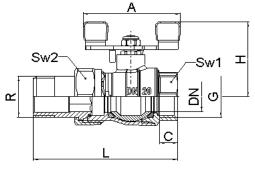


Figure	Dimension	PN	G	L	С	н	Α	Sw
1220131	DN15	25	G1/2"	51	10	45	60	25
1220132	DN20	25	G3/4"	57	11	48	60	31
1220133	DN25	25	G1"	73	14	65	85	39
1220134	DN32	25	G1-1/4"	84	16	71	85	48

 DN32
 25
 G1-1/4"
 84
 16
 71
 85
 48

 forged brass acc. EN 12420, nickel platted forged brass acc. EN 12420, nickel platted forged brass, hollow bore, chrome platted mashined brass steel short, red brass
 Construction

 Connection thread acc. To ISO 228 connection thread acc. to ISO 7/1
 Sealing elements

Spindle:	PTFE- polytetrafluoretylen	
Operating pressure:	see chart above under PN (20 °C)	Technical data
Operating temperature:	from -30 to +150°C (water from -0,5 °C to +110°C -no steam)	
Medium:	unaggresive type (water, oil, air)	We reserve the right to make modifications in line with

HERZ Armaturen Richard-Straße 22, A-1230 Wien e-mail: office@herz-armaturen.com • www.herz-armaturen.com progress in engineering.

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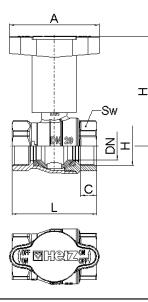
2



New ball valve plastic handle red / blue

Dimension (mm)





red	blue	Dimen- sion	PN	G	L	н	Α	Sw
1 2201 41	1 2201 51	DN15	25	G1/2"	51	70	60	25
1 2201 42	1 2201 52	DN20	25	G3/4"	57	74	60	31
1 2201 43	1 2201 53	DN25	25	G1"	73	82	85	39
1 2201 44	1 2201 54	DN32	25	G1-1/4"	84	88	85	48
1 2201 45	1 2201 55	DN40	25	G1-1/2"	99	120	120	55
1 2201 46	1 2201 56	DN50	25	G2"	112	126	120	68

Body: Nut: Ball: Spindle: Handle: Connections:	forged brass acc. EN 12420, nickel plated forged brass acc. EN 12420, nickel plated forged brass, hollow bore, chrome platted mashined brass plastic, red / blue connection thread acc. to ISO 228	Construction
Ball: Spindle:	PTFE- polytetrafluoretylen PTFE- polytetrafluoretylen	Sealing elements We reserve the right to make modifications in line with progress in engineering.



Operating pressure: Operating temperature: Medium:	see chart above under PN (20 °C) from -30 to +150°C (water from -0,5 °C to +110°C -no steam) unaggresive type (water, oil, air)	Technical data					
heating systems, energy systems engineering. Generally can be us	as shut off-valve. For use in the central s, construction engineering and mechanical sed with all non aggressive fluids such as hot sed air. For use where one expect durability conditions.	Application					
pipe and the valve. Screw the pip not exceed the maximum torque. position, not in a mid position. The nance. At least twice per year exe		Instruction and assembly					
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New ball valve plastic handle (red / blue) with thermometer

					٦¢	sw Najoj-	T		
red	blue	Dimen- sion	PN	G	L	н	Α	Sw	Dimension (mm)
1 2201 61	1 2201 71	DN15	50	G1/2"	51	70	60	25	
1 2201 62	1 2201 72	DN20	50	G3/4"	57	74	60	31	
1 2201 63	1 2201 73	DN25	50	G1"	73	82	85	39	
1 2201 64	1 2201 74	DN32	40	G1-1/4"	84	88	85	48	
1 2201 65	1 2201 75	DN40	25	G1-1/2"	99	120	120	55	

126

120

68

112

Body:	forged brass acc. EN 12420, nickel plated	Construction
Nut:	forged brass acc. EN 12420, nickel plated	
Ball:	forged brass, hollow bore, chrome platted	
Spindle:	mashined brass	
Handle:	plastic, red / blue with thermometer	
Connections:	connection thread acc. to ISO 228	
Ball:	PTFE- polytetrafluoretylen	Sealing elements
Spindle:	PTFE- polytetrafluoretylen	
		We reserve the right to make modifications in line with progress in engineering.

G2"

1 2201 76

DN50

25

1 2201 66



Operating pressure: Operating temperature: Medium:	see chart above under PN (20 °C) from -30 to +150°C (water from -0,5 °C to +110°C -no steam) unaggresive type (water, oil, air)	Technical data				
heating systems, energy systems engineering. Generally can be us	as shut off-valve. For use in the central s, construction engineering and mechanical sed with all non aggressive fluids such as hot sed air. For use where one expect durability conditions.	Application				
pipe and the valve. Screw the pip not exceed the maximum torque. position, not in a mid position. The nance. At least twice per year exe		Instruction and assembly				
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Figure	Dimension	PN	G	L	С	н	Α	Sw	Dimension (mm)
Figure 1220601	Dimension DN15	PN 25	G1/2"	L 51	10	н 53	A 90	5W 25	
1220601	DN15 DN20	25 25	G3/4"	57	11	56	90	31	
1220602	DN25	25	G1"	73	14	73	135	39	
1220603	DN32	25	G1-1/4"	84	16	79	135	48	
1220605	DN40	25	G1-1/2"	95	17	93	180	55	
1220606	DN50	25	G2"	112	19	99	180	70	
Body:forged brass acc. EN 12420Nut:forged brass acc. EN 12420Ball:forged brass, hollow bore, chrome plattedSpindle:mashined brassHandle:silumin long, redConnections:connection thread acc. to ISO 228								Construction	
Ball: Spindle:		PTFE- polytetrafluoretylen PTFE- polytetrafluoretylen							Sealing elements
Operating Operating Medium:	pressure: temperature:							Technical data We reserve the right to make modifications in line with progress in engineering.	

Ball valve is used in installations as shut off-valve. For use in the central neating 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 expect durability even if we exceeds the working conditions.	Application
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2



Dimension (mm)



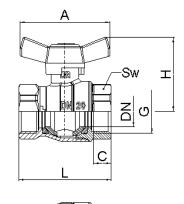




Figure	Dimension	PN	G	L	С	Н	Α	Sw
1220611	DN15	25	G1/2"	51	10	42	55	25
1220612	DN20	25	G3/4"	57	11	46	55	31
1220613	DN25	25	G1"	73	14	57	75	39
1220614	DN32	25	G1- 1/4"	84	16	63	75	48

Body: Nut: Ball: Spindle: Handle: Connections:	forged brass acc. EN 12420 forged brass acc. EN 12420 forged brass, hollow bore, chrome platted mashined brass silumin short, red connection thread acc. to ISO 228	Construction
Ball: Spindle:	PTFE- polytetrafluoretylen PTFE- polytetrafluoretylen	Sealing elements We reserve the right to make modifications in line with progress in engineering.

Operating pressure: Operating temperature: Medium:	see chart above under PN (20 °C) from -30 to +150°C (water from -0,5 °C to +110°C -no steam) unaggresive type (water, oil, air)	Technical data				
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Dimension (mm)

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ez



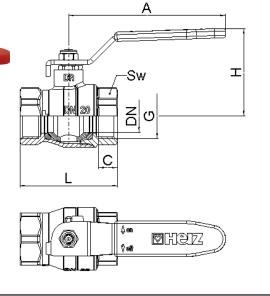


Figure	Dimension	PN	G	L	С	н	Α	Sw
1220621	DN15	25	G1/2"	51	10	48	90	25
1220622	DN20	25	G3/4"	57	11	51	90	31
1220623	DN25	25	G1"	73	14	63	135	39
1220624	DN32	25	G1- 1/4"	84	16	69	135	48
1220625	DN40	25	G1- 1/2"	95	17	85	180	55
1220626	DN50	25	G2"	112	19	91	180	70

Body:	forged brass acc. EN 12420	Construction
Nut:	forged brass acc. EN 12420	
Ball:	forged brass, hollow bore, chrome platted	
Spindle:	mashined brass	
Handle:	steel long, red	
Connections:	connection thread acc. to ISO 228	
Ball:	PTFE- polytetrafluoretylen	Sealing elements
Spindle:	PTFE- polytetrafluoretylen	
opiniolo.		
		We reserve the right to make modifications in line with

Operating pressure: Operating temperature: Medium:	see chart above under PN (20 °C) from -30 to +150°C (water from -0,5 °C to +110°C -no steam) unaggresive type (water, oil, air)	Technical data				
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Dimension (mm)



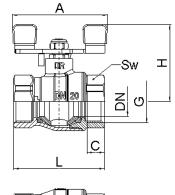


Figure	Dimension	PN	G	L	С	Н	Α	Sw
1220631	DN15	25	G1/2"	51	10	45	60	25
1220632	DN20	25	G3/4"	57	11	48	60	31
1220633	DN25	25	G1"	73	14	65	85	39
1220634	DN32	25	G1-1/4"	84	16	71	85	48

Body: Nut: Ball: Spindle: Handle: Connections:	forged brass acc. EN 12420 forged brass acc. EN 12420 forged brass, hollow bore, chrome platted mashined brass steel short, red connection thread acc. to ISO 228	Construction
Ball: Spindle:	PTFE- polytetrafluoretylen PTFE- polytetrafluoretylen	Sealing elements We reserve the right to make modifications in line with progress in engineering.

Operating pressure: Operating temperature: Medium:	see chart above under PN (20 °C) from -30 to +150°C (water from -0,5 °C to +110°C -no steam) unaggresive type (water, oil, air)	Technical data						
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New ball valve DZR plastic handle red

Dimension (mm)



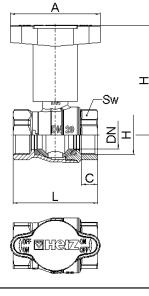


Figure	Dimension	PN	G	L	С	н	Α	Sw
1220641	DN15	25	G1/2"	51	10	70	60	25
1220642	DN20	25	G3/4"	57	11	73	60	31
1220643	DN25	25	G1"	73	14	82	85	39
1220644	DN32	25	G1-1/4"	84	16	88	85	48
1220645	DN40	25	G1-1/2"	95	17	120	120	55
1220646	DN50	25	G2"	112	19	126	120	70

Body:	forged brass acc. EN 12420	Construction
Nut:	forged brass acc. EN 12420	
Ball:	forged brass, hollow bore, chrome platted	
Spindle:	mashined brass	
Handle:	plastic, red	
Connections:	connection thread acc. to ISO 228	
Ball:	PTFE- polytetrafluoretylen	Sealing elements
Spindle:	PTFE- polytetrafluoretylen	
		We reserve the right to make modifications in line with progress in engineering.



Operating pressure: Operating temperature: Medium:	see chart above under PN (20 °C) from -30 to +150°C (water from -0,5 °C to +110°C -no steam) unaggresive type (water, oil, air)	Technical data						
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New ball valve DZR plastic handle blue

Dimension (mm)

ez



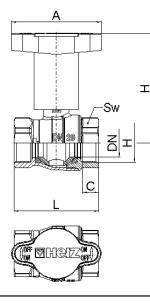


Figure	Dimension	PN	G	L	С	н	Α	Sw
1220651	DN15	25	G1/2"	51	10	70	60	25
1220652	DN20	25	G3/4"	57	11	73	60	31
1220653	DN25	25	G1"	73	14	82	85	39
1220654	DN32	25	G1-1/4"	84	16	88	85	48
1220655	DN40	25	G1-1/2"	95	17	120	120	55
1220656	DN50	25	G2"	112	19	126	120	70

Body:	forged brass acc. EN 12420	Construction
Nut:	forged brass acc. EN 12420	
Ball:	forged brass, hollow bore, chrome platted	
Spindle:	mashined brass	
Handle:	plastic, blue	
Connections:	connection thread acc. to ISO 228	
Ball:	PTFE- polytetrafluoretylen	Sealing elements
Spindle:	PTFE- polytetrafluoretylen	
		We reserve the right to make modifications in line with progress in engineering.

Operating pressure: Operating temperature: Medium:	see chart above under PN (20 °C) from -30 to +150°C (water from -0,5 °C to +110°C -no steam) unaggresive type (water, oil, air)	Technical data						
heating systems, energy systems engineering. Generally can be us	as shut off-valve. For use in the central s, construction engineering and mechanical sed with all non aggressive fluids such as hot sed air. For use where one expect durability conditions.	Application						
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New ball valve DZR plastic handle red with thermometer

Dimension (mm)

т

Sw

Ξo

С



Figure	Comm.co.	Dimen- sion	PN	G	L	С	Н	Α	Sw
1220661	KV 2542TRH	DN15	25	G1/2"	51	10	70	60	25
1220662	KV 2543TRH	DN20	25	G3/4"	57	11	73	60	31
1220663	KV 2544TRH	DN25	25	G1"	73	14	82	85	39
1220664	KV 2545TRH	DN32	25	G1-1/4"	84	16	88	85	48
1220665	KV 2546TRH	DN40	25	G1-1/2"	95	17	120	120	55
1220666	KV 2547TRH	DN50	25	G2"	112	19	126	120	70

Body:	forged brass acc. EN 12420	Construction
Nut:	forged brass acc. EN 12420	
Ball:	forged brass, hollow bore, chrome platted	
Spindle:	mashined brass	
Handle:	plastic, red with thermometer	
Connections:	connection thread acc. to ISO 228	
Ball:	PTFE- polytetrafluoretylen	Sealing elements
Spindle:	PTFE- polytetrafluoretylen	
		We reserve the right to make

modifications in line with progress in engineering.

Operating pressure: Operating temperature: Medium:	see chart above under PN (20 °C) from -30 to +150°C (water from -0,5 °C to +110°C -no steam) unaggresive type (water, oil, air)	Technical data						
heating systems, energy systems engineering. Generally can be us	as shut off-valve. For use in the central s, construction engineering and mechanical sed with all non aggressive fluids such as hot sed air. For use where one expect durability conditions.	Application						
pipe and the valve. Screw the pip not exceed the maximum torque. position, not in a mid position. The nance. At least twice per year exe		Instruction and assembly						
information. We reserve the right are understood to be symbolic re Any colour variations are depend to the country. We reserve the rig	All details contained in this brochure appertain to that available at the time of printing and serve as information. We reserve the right to make changes in the event of technical advancements. The illustrations are understood to be symbolic representations and may therefore vary visually from the actual products. Any colour variations are dependent upon the printing technology used. Products may also vary according to the country. We reserve the right to make changes to technical specifications and functions. Please contact your nearest branch of HERZ with any questions.							





New ball valve DZR plastic handle blue with thermometer

Dimension (mm)

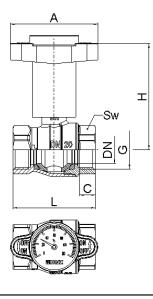


Figure	Dimension	PN	G	L	С	н	Α	Sw
1220671	DN15	25	G1/2"	51	10	70	60	25
1220672	DN20	25	G3/4"	57	11	73	60	31
1220673	DN25	25	G1"	73	14	82	85	39
1220674	DN32	25	G1-1/4"	84	16	88	85	48
1220675	DN40	25	G1-1/2"	95	17	120	120	55
1220676	DN50	25	G2"	112	19	126	120	70

Body: Nut: Ball: Spindle: Handle: Connections:	forged brass acc. EN 12420 forged brass acc. EN 12420 forged brass, hollow bore, chrome platted mashined brass plastic, blue with thermometer connection thread acc. to ISO 228	Construction
Ball: Spindle:	PTFE- polytetrafluoretylen PTFE- polytetrafluoretylen	Sealing elements We reserve the right to make modifications in line with progress in engineering.

Operating pressure: Operating temperature: Medium:	see chart above under PN (20 °C) from -30 to +150°C (water from -0,5 °C to +110°C -no steam) unaggresive type (water, oil, air)	Technical data				
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New ball valve silumin long handle, FXM

Dimension (mm)



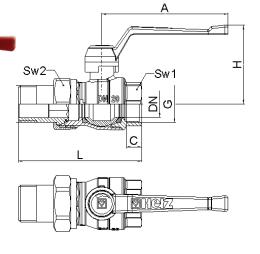


Figure	Dim.	PN	G	R	L	С	н	Α	Sw1	Sw2
1221101	DN15	16	G1/2"	R1/2"	75	10	53	90	25	30
1221102	DN20	16	G3/4"	R3/4"	88	11	56	90	31	36
1221103	DN25	16	G1"	R1"	106	14	73	135	39	46
1221104	DN32	16	G1- 1/4"	R1- 1/4"	123	16	79	135	48	52
1221105	DN40	16	G1- 1/2"	R1- 1/2"	142	17	93	180	55	60
1221106	DN50	16	G2"	R2"	166	19	99	180	70	75

Body: Nut: Ball: Spindle: Handle: Holand con.: Conn. F: Conn. M:	forged brass acc. EN 12420, nickel platted forged brass acc. EN 12420, nickel platted forged brass, hollow bore, chrome platted mashined brass silumin long, red brass Connection thread acc. To ISO 228 connection thread acc. to ISO 7/1	Construction
Ball: Spindle:	PTFE- polytetrafluoretylen PTFE- polytetrafluoretylen	Sealing elements
		We reserve the right to make

modifications in line with progress in engineering.

Operating pressure: Operating temperature: Medium:	see chart above under PN (20 °C) from -30 to +150°C (water from -0,5 °C to +110°C -no steam) unaggresive type (water, oil, air)	Technical data				
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New ball valve silumin short handle, FXM

Dimension (mm)

P



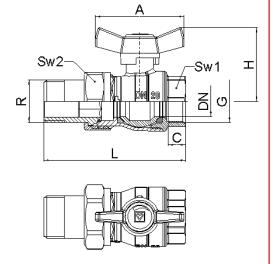


Figure	Dim.	PN	G	R	L	С	н	Α	Sw1	Sw2
1221111	DN15	16	G1/2"	R1/2"	75	10	42	55	25	30
1221112	DN20	16	G3/4"	R3/4"	88	11	46	55	31	36
1221113	DN25	16	G1"	R1"	106	14	57	75	39	46
1221114	DN32	16	G1- 1/4"	R1- 1/4"	123	16	63	75	48	52

Body: Nut: Ball: Spindle: Handle: Holand con.: Conn. F: Conn. M:	forged brass acc. EN 12420, nickel platted forged brass acc. EN 12420, nickel platted forged brass, hollow bore, chrome platted mashined brass silumin short, red brass Connection thread acc. To ISO 228 connection thread acc. to ISO 7/1	Construction
Ball: Spindle:	PTFE- polytetrafluoretylen PTFE- polytetrafluoretylen	Sealing elements We reserve the right to make modifications in line with progress in engineering.

Operating pressure: Operating temperature: Medium:	see chart above under PN (20 °C) from -30 to +150°C (water from -0,5 °C to +110°C -no steam) unaggresive type (water, oil, air)	Technical data				
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New ball valve steel long handle, FXM

Figure	Dim.	PN	G	R	L	С	н	Α	Sw1	Sw2	Dimension (mm)
1221121	DN15	16	G1/2"	n R1/2"	75	10	48	A 90	25	30	
1221122	DN20	16	G3/4"	R3/4"	88	11	51	90	31	36	
1221123	DN25	16	G1"	R1"	106	14	63	135	39	46	
1221124	DN32	16	G1-1/4"	R1-1/4"	123	16	69	135	48	52	
1221125	DN40	16	G1-1/2"	R1-1/2"	142	17	85	180	55	60	
1221126	DN50	16	G2"	R2"	166	19	91	180	70	75	
Body:forged brass acc. EN 12420, nickel plattedNut:forged brass acc. EN 12420, nickel plattedBall:forged brass acc. EN 12420, nickel plattedBall:forged brass, hollow bore, chrome plattedSpindle:mashined brassHandle:steel long, redHoland con.:brassConn. F:Connection thread acc. To ISO 228								Construction			
Conn. M:connection thread acc. to ISO 228Ball:PTFE- polytetrafluoretylenSpindle:PTFE- polytetrafluoretylen								Sealing elements We reserve the right to make modifications in line with progress in engineering.			

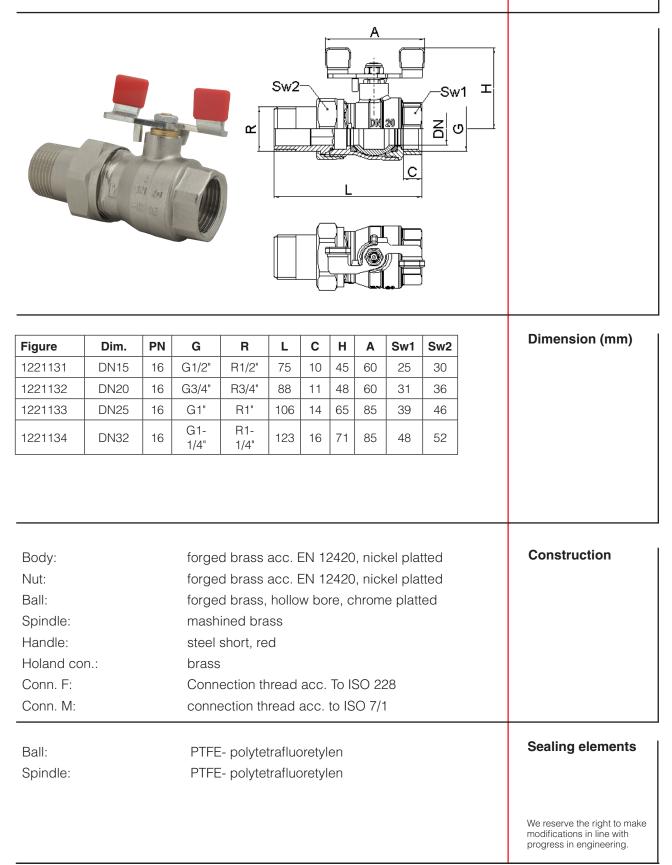


Operating pressure: Operating temperature: Medium:	see chart above under PN (20 °C) from -30 to +150°C (water from -0,5 °C to +110°C -no steam) unaggresive type (water, oil, air)	Technical data				
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New ball valve steel long handle, FXM

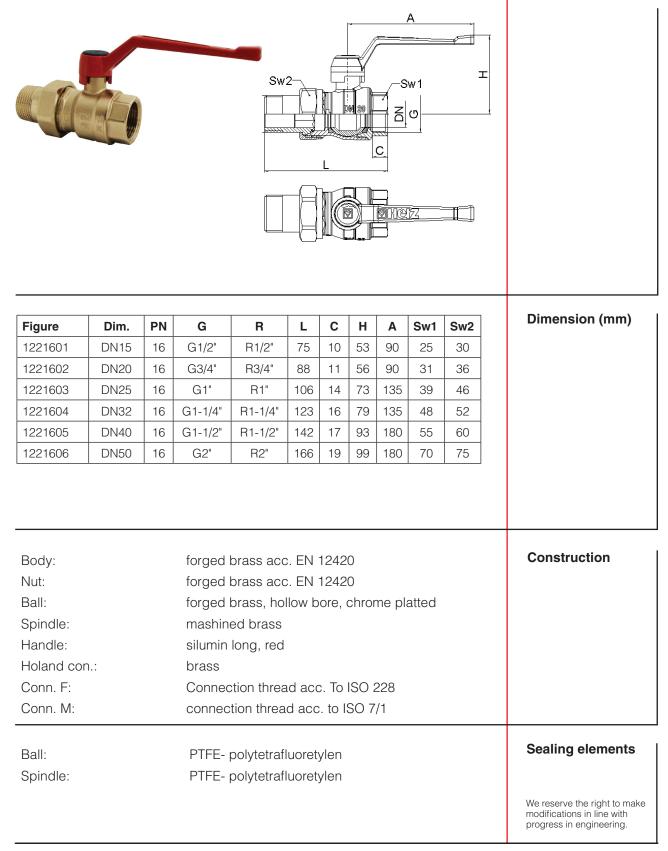


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New ball valve DZR silumin long handle, FXM



HERZ Armaturen Richard-Straße 22, A-1230 Wien e-mail: office@herz-armaturen.com • www.herz-armaturen.com

Operating pressure: Operating temperature: Medium:	see chart above under PN (20 °C) from -30 to +150°C (water from -0,5 °C to +110°C -no steam) unaggresive type (water, oil, air)	Technical data						
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New ball valve DZR silumin short handle, FXM

Dimension (mm)



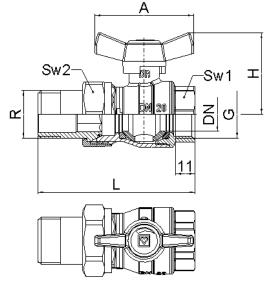


Figure	Dim.	PN	G	R	L	С	Н	Α	Sw1	Sw2
1221611	DN15	16	G1/2"	R1/2"	75	10	42	55	25	30
1221612	DN20	16	G3/4"	R3/4"	88	11	46	55	31	36
1221613	DN25	16	G1"	R1"	106	14	57	75	39	46
1221614	DN32	16	G1- 1/4"	R1- 1/4"	123	16	63	75	48	52

Body:	forged brass acc. EN 12420	Construction
Nut:	forged brass acc. EN 12420	
Ball:	forged brass, hollow bore, chrome platted	
Spindle:	mashined brass	
Handle:	silumin short, red	
Holand con.:	brass	
Conn. F:	Connection thread acc. To ISO 228	
Conn. M:	connection thread acc. to ISO 7/1	
Ball:	PTFE- polytetrafluoretylen	Sealing elements
Spindle:	PTFE- polytetrafluoretylen	
		We reserve the right to make

modifications in line with progress in engineering.

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Operating pressure: Operating temperature: Medium:	see chart above under PN (20 °C) from -30 to +150°C (water from -0,5 °C to +110°C -no steam) unaggresive type (water, oil, air)	Technical data						
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New ball valve DZR steel long handle, FXM

Dimension (mm)

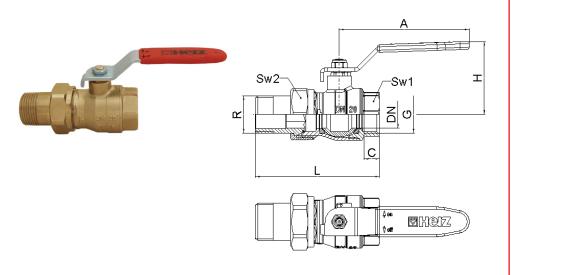


Figure	Dim.	PN	G	R	L	С	н	Α	Sw1	Sw2
1221621	DN15	16	G1/2"	R1/2"	75	10	48	90	25	30
1221622	DN20	16	G3/4"	R3/4"	88	11	51	90	31	36
1221623	DN25	16	G1"	R1"	106	14	63	135	39	46
1221624	DN32	16	G1-1/4"	R1-1/4"	123	16	69	135	48	52
1221625	DN40	16	G1-1/2"	R1-1/2"	142	17	85	180	55	60
1221626	DN50	16	G2"	R2"	166	19	91	180	70	75

Body:	forged brass acc. EN 12420	Construction
Nut:	forged brass acc. EN 12420	
Ball:	forged brass, hollow bore, chrome platted	
Spindle:	mashined brass	
Handle:	steel long, red	
Holand con.:	brass	
Conn. F:	Connection thread acc. To ISO 228	
Conn. M:	connection thread acc. to ISO 7/1	
Ball:	PTFE- polytetrafluoretylen	Sealing elements
Spindle:	PTFE- polytetrafluoretylen	
		We reserve the right to make
		modifications in line with

modifications in line with progress in engineering.

A

Operating pressure: Operating temperature: Medium:	see chart above under PN (20 °C) from -30 to +150°C (water from -0,5 °C to +110°C -no steam) unaggresive type (water, oil, air)	Technical data						
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New ball valve DZR steel short handle, FXM

Dimension (mm)

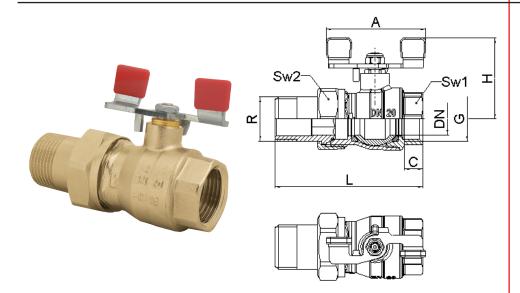


Figure	Dim.	PN	G	R	L	С	н	Α	Sw1	Sw2
1221631	DN15	16	G1/2"	R1/2"	75	10	45	60	25	30
1221632	DN20	16	G3/4"	R3/4"	88	11	48	60	31	36
1221633	DN25	16	G1"	R1"	106	14	65	85	39	46
1221634	DN32	16	G1- 1/4"	R1- 1/4"	123	16	71	85	48	52

Body:	forged brass acc. EN 12420	Construction
Nut:	forged brass acc. EN 12420	
Ball:	forged brass, hollow bore, chrome platted	
Spindle:	mashined brass	
Handle:	steel short, red	
Holand con.:	brass	
Conn. F:	Connection thread acc. To ISO 228	
Conn. M:	connection thread acc. to ISO 7/1	
Ball:	PTFE- polytetrafluoretylen	Sealing elements
Spindle:	PTFE- polytetrafluoretylen	
		We reserve the right to make modifications in line with progress in engineering.



Operating pressure: Operating temperature: Medium:	see chart above under PN (20 °C) from -30 to +150°C (water from -0,5 °C to +110°C -no steam) unaggresive type (water, oil, air)	Technical data						
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HERZ Ball Valve "EURO"

	EN 18								A		T	
Model	Dim.	PN	DN	G	L	H(A)	Α	H(B)	В	Sw	Model	Contents
1 2902 01	1/2"	16	15	1/2"	50	44	85	42	60	25	1 2902 11	
1 2902 02	3/4"	16	20	3/4"	57	48	85	46	60	31	1 2902 12	
1 2902 03	1"	16	25	1"	73	57	115	62	85	39	1 2902 13	
1 2902 04	1 1/4"	16	32	1 1/4"	84	61	115	66	85	48	1 2902 14	
Ball: Spindle: Handle:	End connection:forged brass, nickel plattedBall:forged brass, machined to a microsmooth finish, chrome plattedSpindle:brass							Construction				
Conections	8:			Male	threa	ad acc	. ISO2	228				Specification
Maximum p				up to								
Temperatu	re rang	e:		_							steam)	
Medium: water, air, oil, (non-agressive mediums)												
connection la suitable as recommend							Assembly and maintenance We reserve the right to make modifications nessecitated by technical progress.					
	ERZ Armaturen chard-Straße 22, A-1230 Wien mail: office@herz-armaturen.com • www.herz-armaturen.com											



The ball valve is used in installations as an isloation 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.

Application



HERZ Ball Valve with red duraluminium handle

1

finish, chrome platted Spindle: brass Handle: Aluminium alloy, red dipped Sealing elements: PTFE (ball and spindle) Conections: female thread acc. ISO228 Maximum pressure: Depends on dimensions (see table) Maximum temperature: 150 °C (5 bar, water 0.5°C-110 °C, no steam) Application Application 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 wer nif the working conditions are exceeded. We reserve the rigit							L	A Sw	T	
1 12190 02 3/4" 50 20 3/4" 65 56 90 32 1 12190 03 1" 50 25 1" 80,5 77 135 41 1 12190 04 1 1/4" 40 32 1 1/4" 91 81 135 48 12190 05 1 1/2" 40 40 1 1/2" 104 95 180 55 12190 06 2" 40 50 2" 125,5 101 180 70 Body: forged brass acc. EN 12420 (corrosive resistant) Connection: forged brass (corrosive resistant) Sonneetion: forged brass Aluminium alloy, red dipped Sonecition: femal	Model	Dim.	PN	DN	G	L	н	Α	Sw	Dimension
1 2190 03 1" 50 25 1" 80,5 77 135 41 1 2190 04 1 1/4" 40 32 1 1/4" 91 81 135 48 1 2190 05 1 1/2" 40 40 1 1/2" 104 95 180 55 1 2190 06 2" 40 50 2" 125,5 101 180 70 Rody: forged brass cc. EN 12420 (corrosive resistant) Construction Sody: forged brass (corrosive resistant) Sody: forged brass (corrosive resistant) Solution: Ball: forged brass, full bore, machined to a microsmooth finish, chrome platted Ball: brass Aluminium alloy, red dipped Balle: Aluminium alloy, red dipped Socoletions: female thread acc. ISO228 Maximum pressure: Depends on dimensions (see table) Maximum temperature: 150 °C (5 bar, water 0.5°C-110 °C, no steam) Operating date date date date date date date date	1 2190 01	1/2"	50	15	1/2"	59	53	90	25	
1 2190 04 1 1/4" 40 32 1 1/4" 91 81 135 48 1 2190 05 1 1/2" 40 40 1 1/2" 104 95 180 55 1 2190 06 2" 40 50 2" 125,5 101 180 70 dody: forged brass acc. EN 12420 (corrosive resistant) corrosive resistant) connection: forged brass (corrosive resistant) forged brass (corrosive resistant) connection: forged brass (corrosive resistant) forged brass (full bore, machined to a microsmooth finish, chrome platted pindle: PTFE (ball and spindle) Conections: Operating demont	1 2190 02		50	20	· · · · · · · · · · · · · · · · · · ·		56	90	<u> </u>	
1 2190 05 1 1/2" 40 40 1 1/2" 104 95 180 55 1 2190 06 2" 40 50 2" 125,5 101 180 70 cody: forged brass acc. EN 12420 (corrosive resistant) connection: forged brass (corrosive resistant) iall: forged brass, full bore, machined to a microsmooth finish, chrome platted brass pindle: Aluminium alloy, red dipped ealing elements: PTFE (ball and spindle) conections: female thread acc. ISO228 Operating data Maximum pressure: Depends on dimensions (see table) Maximum temperature: 150 °C (5 bar, water 0.5°C-110 °C, no steam) he ball valve is used in installations as an isolation valve For use in central eating systems, energy systems, construction engineering and mechanical ngineering. Generally can be used with all non aggressive fluids such as hot rater, wash liquids, dry compressed air. For use where one expects durability ven if the working conditions are exceeded. We reserve the right	1 2190 03	1"	50	25	1"	80,5	77	135	41	
1 2190 06 2" 40 50 2" 125,5 101 180 70 ody: forged brass acc. EN 12420 (corrosive resistant) forged brass (corrosive resistant) Construction ionnection: forged brass (corrosive resistant) forged brass (corrosive resistant) Construction iall: forged brass (corrosive resistant) forged brass Construction pindle: brass brass brass Construction landle: Aluminium alloy, red dipped PTFE (ball and spindle) Coperating data ionections: female thread acc. ISO228 Coperating data Maximum pressure: Depends on dimensions (see table) Maximum temperature: 150 °C (5 bar, water 0.5°C-110 °C, no steam) he ball valve is used in installations as an isolation valve For use in central eating systems, energy systems, construction engineering and mechanical Application ngineering. Generally can be used with all non aggressive fluids such as hot rater, wash liquids, dry compressed air. For use where one expects durability We reserve the rigit	1 2190 04	1 1/4"	40	32	1 1/4"	91	81	135	48	
Addy: forged brass acc. EN 12420 (corrosive resistant) Connection: forged brass (corrosive resistant) Solution: forged brass (corrosive resistant) Sall: forged brass, full bore, machined to a microsmooth finish, chrome platted Spindle: brass Handle: Aluminium alloy, red dipped Sealing elements: PTFE (ball and spindle) Conections: female thread acc. ISO228 Maximum pressure: Depends on dimensions (see table) Maximum temperature: 150 °C (5 bar, water 0.5°C-110 °C, no steam) he ball valve is used in installations as an isolation valve For use in central eating systems, energy systems, construction engineering and mechanical ngineering. Generally can be used with all non aggressive fluids such as hot vater, wash liquids, dry compressed air. For use where one expects durability ven if the working conditions are exceeded. We reserve the right	1 2190 05	1 1/2"	40	40	1 1/2"	104	95	180	55	
Connection: forged brass (corrosive resistant) Sall: forged brass, full bore, machined to a microsmooth finish, chrome platted Spindle: brass Iandle: Aluminium alloy, red dipped Bealing elements: PTFE (ball and spindle) Connections: female thread acc. ISO228 Maximum pressure: Depends on dimensions (see table) Maximum temperature: 150 °C (5 bar, water 0.5°C-110 °C, no steam) Application Application he ball valve is used in installations as an isolation valve For use in central eating systems, energy systems, construction engineering and mechanical ngineering. Generally can be used with all non aggressive fluids such as hot vater, wash liquids, dry compressed air. For use where one expects durability ven if the working conditions are exceeded. We reserve the rigit	1 2190 06	2"	40	50	2"	125,5	101	180	70	
Maximum pressure. Depends of dimensions (see table) Maximum temperature: 150 °C (5 bar, water 0.5°C-110 °C, no steam) he ball valve is used in installations as an isolation valve For use in central eating systems, energy systems, construction engineering and mechanical ngineering. Generally can be used with all non aggressive fluids such as hot vater, wash liquids, dry compressed air. For use where one expects durability ven if the working conditions are exceeded. We reserve the right	Ball:forged brass, full bore, machined to a microsmooth finish, chrome plattedSpindle:brassHandle:Aluminium alloy, red dippedSealing elements:PTFE (ball and spindle)									
The ball valve is used in installations as an isolation valve For use in central leating systems, energy systems, construction engineering and mechanical engineering. Generally can be used with all non aggressive fluids such as hot vater, wash liquids, dry compressed air. For use where one expects durability even if the working conditions are exceeded.	Maximum pr	essure:		Depe	nds on c	limensior	ns (see t	able)		Operating data
the ating systems, energy systems, construction engineering and mechanical engineering. Generally can be used with all non aggressive fluids such as hot vater, wash liquids, dry compressed air. For use where one expects durability even if the working conditions are exceeded.	Maximum temperature: 150 °C (5 bar, water 0.5°C-110 °C, no steam)									
	eating system engineering. (vater, wash li	ms, energ Generally quids, dr	gy syste / can be y comp	ems, co e used v ressed	nstructic with all n air. For ι	on engine on aggre	ering ar	nd mecha iids such	anical as hot	Application
										We reserve the right to make modifications nessecitated by technical progress.



Use PTFE, Teflon ribbon or sealing paste to seal the connection between the pipe and the valve. Screw the pipe into the valve and with a suitable assembly tool (Sw) do not exceed the maximum torque. We recommend the valve is used in the index position, not in a mid position. The ball valve does not need special maintenance. At least twice per year exercise the valve. Instruction for assembling and maintenance





HERZ Ball Valve with red duraluminium handle

							A	T	
Model	Dim.	PN	DN	G	L	н	Sw	Α	Dimensions
1 2100 09	1/4"	63	8	1/4"	43	44	17	60	
1 2100 00	3/8"	63	10	3/8"	45	46	21	60	
1 2100 01	1/2"	50	15	1/2"	59	53	25	90	
1 2100 02	3/4"	50	20	3/4"	65	57	32	90	
1 2100 03	1"	50	25	1"	80	71	41	135	
1 2100 04	1 1/4"	40	32	1 1/4"	91	75	48	135	
1 2100 05	1 1/2"	40	40	1 1/2"	104	93	55	180	
1 2100 06	2"	40	50	2"	125	101	70	180	
						1			
Model	Dim.	PN	DN	G	L	H	Sw	B	
1 2100 19	1/4"	63	8	1/4"	43	41	17	40	
1 2100 10	3/8"	63	10	3/8"	45	43	21	40	
	1 (0)						25	55	
1 2100 11	1/2"	50	15	1/2"	59	49			
1 2100 11 1 2100 12	3/4"	50	20	3/4"	65	53	32	55	
1 2100 11 1 2100 12 1 2100 13	3/4" 1"	50 50	20 25	3/4" 1"	65 80	53 56,5	32 41	75	
1 2100 11 1 2100 12	3/4"	50	20	3/4"	65	53	32		
1 2100 11 1 2100 12 1 2100 13	3/4" 1" 1 1/4" for for pre fini bra Alu s: PT	50 50 40 ged bra ged bra essed b ish, chro ass uminium FE- poly	20 25 32 ass acc ass, nicl orass, fu ome pla n alloy, p ytetraflu	3/4" 1" 1 1/4" . EN 124 kel platte Il bore, n	65 80 91 20, nick ed nachine d dippe (ball an	53 56,5 60 el platte d to a m	32 41 48 ed	75 75	Construction
1 2100 11 1 2100 12 1 2100 13 1 2100 14 Body: End connection: Ball: Spindle: Handle: Sealing elements Conections:	3/4" 1" 1 1/4" for for pre fini bra Alu s: PT fer	50 50 40 ged bra ged bra essed bra essed bra essed bra ss, chro ass uminium FE- poly nale thr	20 25 32 ass acc ass, nicl orass, fu ome pla n alloy, p ytetraflu ead acc	3/4" 1" 1 1/4" EN 124 kel platte Il bore, n atted blastic re plastic re poretylen c. ISO226	65 80 91 20, nick ed nachine d dippe (ball an 8	53 56,5 60 el platte d to a m d spind	32 41 48 ed	75 75	
1 2100 11 1 2100 12 1 2100 13 1 2100 14 Body: End connection: Ball: Spindle: Handle: Sealing elements	3/4" 1" 1 1/4" for for for gre fini bra Alu s: PT fer ure:	50 50 40 ged bra ged bra essed bra essed bra essed bra ish, chra ass uminium FE- poly nale thr	20 25 32 ass acc ass, nicl orass, fu ome pla n alloy, p ytetraflu ead acc epends	3/4" 1" 1 1/4" EN 124 kel platte Il bore, n atted plastic re ioretylen	65 80 91 20, nick ed nachine d dippe (ball an 8 nsion (b	53 56,5 60 el platte d to a m d spind ar)	32 41 48 ed nicrosm	75 75 looth	Construction

HERZ Armaturen Richard-Straße 22, A-1230 Wien e-mail: office@herz-armaturen.com • www.herz-armaturen.com

Use PTFE, Teflon ribbon or sealing paste to seal the connection between the pipe and the valve. Screw the pipe in and with a suitable assembly tool (Sw) not exceed the maximum torque. We recommend the valve is used in the index position, not in a mid position. The ball valve does not need special maintenance. At least twice per year exercise the valve.	Assembly and maintenance
Ball valve is used in installations as shut off-valve. For use in the central neating 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 expect durability even if we exceeds the working conditions.	Application



HERZ Ball valve with flat sealed connection

		MOR	Sw Sy S			A 1 1 1 1 1 1 1 1 1 1 1 1 1		
Model	Dimension	PN	G	L	Н	А	Sw	Figure Dimensions
1 2190 71	DN15	16	G3/4"	67	47	90	30	
1 2190 72	DN20	16	G1"	71	49	90	36	
1 2190 73	DN25	16	G1-1/4"	82	61	135	46	
1 2190 74	DN32	16	G1-1/2"	102	65	135	52	
1 2190 75	DN40	16	G1-3/4"	112	84	180	60	
1 2190 76	DN50	16	G2-3/8"	130	90	180	75	
1 2190 81	DN15	16	G3/4"	67	94	90	30	
1 2190 82	DN20	16	G1"	71	97	90	36	
1 2190 83	DN25	16	G1-1/4"	82	110	135	46	
1 2190 84	DN32	16	G1-1/2"	102	114	135	52	
1 2190 85	DN40	16	G1-3/4"	112	135	180	60	
1 2190 86	DN50	16	G2-3/8"	130	143	180	75	

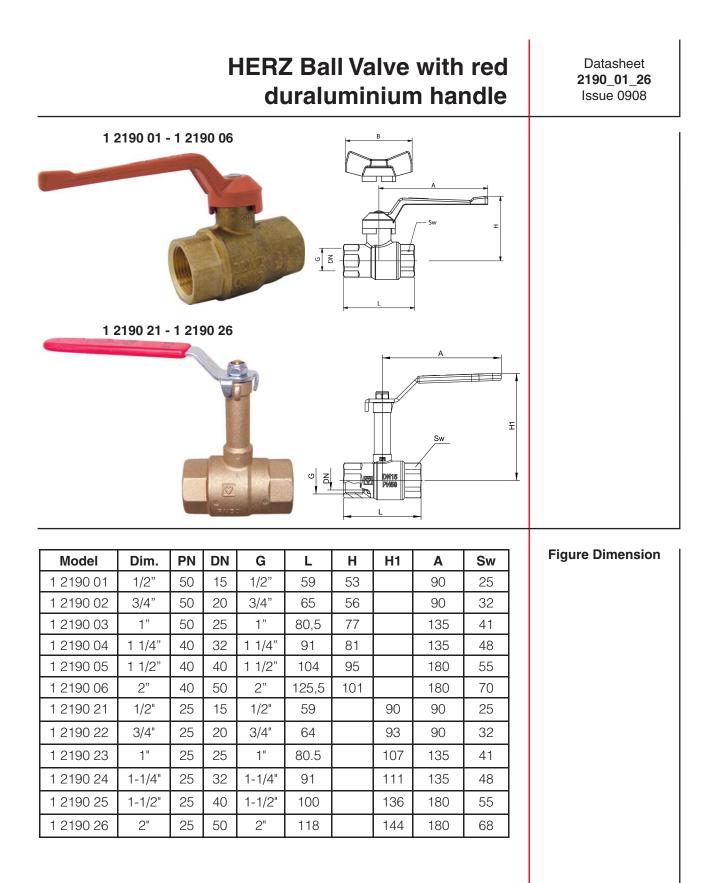
We reserve the right to make modifications nessecitated by technical progress.



Body: Ball: Spindle: Handle:	pressed brass, full b finish, chrome plated brass	cc. EN 12420 (corrosive resistant) pore, machined to a microsmooth d lated with red plastic cover	Design
Flat sealed connection			Connections
Ball: Spindle:	PTFE- polytetrafluore EPDM	etylene	Sealing elements
Maximum pressure: Maximum temperatur	16 bar : 120 °C (5 bar	r)	Operating data
heating systems, energy engineering. Generally water, wash liquids, dr even if the working cor connection.	y systems, constructi can be used with all r compressed air. For ditions are exceeded.	solation valve. For use in central ion engineering and mechanical non aggressive fluids such as hot use where one expects durability I.The valves ends allow flat sealed ow for insulation lagging after	Application
pipe and the valve. Un tool (Sw) taking care n the index position, fully	on nuts should be tigl t to over tighten. We open or closed not in	seal the connection between the htened with a suitable assembly recommend the valve is used in a mid position. The ball valve t twice per year exercise the	Instruction for assembly and maintenance

are understood to be symbolic representations and may therefore vary visually from the actual products. Any colour variations are dependent upon the printing technology used. Products may also vary according to the country. We reserve the right to make changes to technical specifications and functions. Please contact your nearest branch of HERZ with any questions.





We reserve the right to make modifications nessecitated by technical progress.

Connection: Ball: Spindle: Handle: Sealing elements: Conections:	forgeo press finish, brass spind exteno plastio PTFE	d brass acc. EN 12420 (corrosive resistant) d brass (corrosive resistant) ed brass, full bore, machined to a microsmooth chrome platted le - Aluminium alloy, red dipped ded spindle - steel, galvanic Zn platted with red c cover (ball and spindle) e thread acc. ISO228	Design
Maximum pressure: Maximum temperatu	ire:	Depends on dimension (bar) 150 °C (5 bar, water 0.5°C-110 °C, no steam)	Operating data
heating systems, ene engineering. General water, wash liquids, c even if we exceeds th	rgy syste ly can be lry compi ne workin	ns as shut off-valve. For use in the central ems, construction engineering and mechanical e used with all non aggressive fluids such as hot ressed air. For use where one expect durability g conditions. The valve (1 2190 21 - 1 2190 26) ow for insulation lagging after installation.	Application
the pipe and the valv (Sw) not exceed the r the index position, no	e. Screw maximum it in a mic	aling paste to seal the connection between the pipe int end with a suitable assembly tool torque. We recommend the valve is used in d position. The ball valve does not need special er year exercise the valve.	Instruction for assembly and maintenance

are understood to be symbolic representations and may therefore vary visually from the actual products. Any colour variations are dependent upon the printing technology used. Products may also vary according to the country. We reserve the right to make changes to technical specifications and functions. Please contact your nearest branch of HERZ with any questions.



HERZ Ball Valve with green duralumuniun handle for potable water

	PINIE		ß			A		
Model	Dim.	DN	Rp	L	Н	Α	SW	Dimensions
2 2100 01	1/2"	15	1/2"	60	50	90	25	
2 2100 02	3/4"	20	3/4"	68	52	90	31	
2 2100 03	1"	25	1"	81	72	135	39	
2 2100 04	1 1/4"	32	1 1/4"	95	75	135	48	
2 2100 05	1 1/2"	40	1 1/2"	106	90	180	55	
2 2100 06	2"	50	2"	127	97	180	68	
Body: Ball: Ball seals: Spindle seals Handle: Sealing elem Conections:		pressed finish, ch PTFE EPDM 7 Aluminiu PTFE (ba	brass, fu hrome pla	ll bore, ma tted green dipp 1 (spindle	achined t		resistant) smooth	Construction
Maximum p	ressure.		25 bar					Operating data
Maximum p			35 °C					
For use in po if the working We recomme positions. Op	table wate condition nd the val	er istallatic s. ve used in	ons. For us n the fully	open or a	closed po			Application

We reserve the right to make modifications necessitated by technical progress.



Spinning material, Teflon ribbon-sealing paste to seal the connection between the pipe and ball valve end connections. Screw pipe end into end connections with suitable assembly tool (Sw) not to exceed the maximum torque moment. We recommend to use Ball valve in fully open or closed, not in mid position. The ball valve doesn't need any special maintenance.

Assembly and maintenance





HERZ Ball Valve with hose spout and lever

	DR		ပ ျ		B		Sw H	
Model	Dim.	DN	G	L	Н	В	Sw	Dimensions
1 2110 01	1/2" (DN15		1/2"	68	42	60	25	
Body: End connection: Ball: Spindle: Check valve: Handle: Connections: Sealing elements:	forged b full bore, brass POM (bo steel, ga female th	rass acc. El rass foged bras ody), Silicon Ivanic Zn pl nread acc. I olytetrafluor	s, chrom (O-ring) ated SO G 228	3		EPDN	1)	Design
Max. pressure:	u	p to 16 bar						Operating data
Max. temperature:		5°C						
Take care of arrow of direction. Build in b Use spinning mater between the pipe a connections with su torque moment (Mt We recommend to Ball valve doesn't n	all valve in ac ial, Teflon ribb nd ball valve uitable assemb =90Nm). use Ball valve	cordiance v bon, sealing end connec oly tool (Swj in fully ope	vith arrow paste to tions. Sc) not to e: n or close	v orient seal th rew pip kceed	ation. ne coni be end the ma	nectio into e iximur	n Ind n	Application We reserve the right to make modifications nessecitated by technical progress.



Ball valve is used in installations as shut off-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 expect durability even if we exceeds the working conditions.

Application



HERZ Ball valve with FxM connection

				3			в			A T	
					J J					- sw	
Model	Dim.	PN	DN	G	L	н	Α	Sw	В	Model	Dimensions
1 2160 09	1/4"	63	8	1/4"	52	44	60	17	40	1 2160 19	
1 2160 00	3/8"	63	10	3/8"	54	46	60	21	40	1 2160 10	
1 2160 01	1/2"	50	15	1/2"	72	53	90	25	55	1 2160 11	
1 2160 02	3/4"	50	20	3/4"	77	57	90	32	55	1 2160 12	
1 2160 03	1"	50	25	1"	95	71	135	41	75	1 2160 13	
1 2160 04	1 1/4"	40	32	1 1/4"	107	75	135	48	75	1 2160 14	
1 2160 05	1 1/2"	40	40	1 1/2"	130	93	180	55			
1 2160 06	2"	40	50	2"	142	101	180	70			
Body: Connections Ball: Spindle: Handle:	nick s: forg pres chro bras	kel pla jed br ssed l ome p ss	atted rass (brass plated	ass acc. corrosive , full bor y, plastic	e resis e, ma	stant), chinec	nicke d to a	l platt	ed	ant), oth finish,	Construction
Connectio	าร:			Female	e threa	d acc	. ISO2	228			Specification
Sealing ele									all an	d spindle)	
Maximum		e:		depend			-				
Maximum				150°C					_	<u>, </u>	
Use PTFE, ⁻ pipe and th not exceed index positi maintenanc	e valve. the max on, not i	Screv timum n a m	w the 1 torqu id po:	pipe in a ue. We re sition. Th	and wi ecomr ne bal	ith a si mend I valve	uitable the va does	e asse alve is not r	embly used	y tool (Sw) d in the	Assembly and maintenance We reserve the right to make modifications necessitated by technical progress.

HERZ Armaturen Richard-Straße 22, A-1230 Wien e-mail: office@herz-armaturen.com • www.herz-armaturen.com 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.

Application



Ball valve with MxM connection

							Sv			NG T	
Model	Dim.	PN	DN	G	L	н	Α	Sw	В	Model	Dimensions
1 2180 09	1/4"	63	8	1/4"	61	44	60	17	40	1 2180 19	
1 2180 00	3/8"	63	10	3/8"	63	46	60	21	40	1 2180 10	
1 2180 01	1/2"	50	15	1/2"	85	53	90	25	55	1 2180 11	
1 2180 02	3/4"	50	20	3/4"	89	57	90	32	55	1 2180 12	
1 2180 03	1"	50	25	1"	110	71	135	41	75	1 2180 13	
1 2180 04	1 1/4"	40	32	1 1/4"	123	75	135	48	75	1 2180 14	
1 2180 05	1 1/2"	40	40	1 1/2"	146	93	180	55			
1 2180 06	2"	40	50	2"	159	101	180	70	sista	nt),	Construction
1 2180 06 Body: Connections Ball: Spindle:	2" forge nicke : forge pres chro bras	40 ed DZ el plat ed bra sed br sed br me pla	50 R bras ted ss (cc rass, f ated	2" ss acc. E prrosive i	159 EN 124 resista mach	101 420 (c ant), n nined	180 corrosi	70 ve re platte	d	nt), th finish,	Construction
1 2180 06 Body: Connections Ball: Spindle:	2" forge nicke : forge pres chro bras	40 ed DZ el plat ed bra sed br sed br me pla	50 R bras ted ss (cc rass, f ated	2" ss acc. E prrosive i ull bore,	159 EN 124 resista mach	101 420 (c ant), n nined	180 corrosi	70 ve re platte	d		
1 2180 06 Body: Connections Ball: Spindle: Handle:	2" forge nicke : forge pres chro bras alum	40 ed DZ el plat ed bra sed br sed br me pla	50 R bras ted ss (cc rass, f ated alloy,	2" ss acc. E ull bore, plastic r	159 EN 12 ² resista mach ed dip	101 420 (c ant), n nined oped acc.	180 corrosi ickel p to a m	70 ve re platte licros	d moo	th finish,	Construction
1 2180 06 Body: Connections Ball: Spindle: Handle: Connection	2" forge nicke : forge pres chro bras alum s:	40 ed DZ el plat ed bra sed br sed br me pla	50 R bras ted uss (cc rass, f ated alloy, F	2" ss acc. E orrosive r ull bore, plastic r Female th PTFE - po	159 EN 124 resista mach ed dip nread	101 420 (c ant), n nined oped acc. afluor	180 corrosi ickel p to a m ISO22 etylen	70 ve re blatte licros	d moo		
1 2180 06 Body: Connections Ball: Spindle: Handle: Connection Sealing eler	2" forge nicke : forge pres chro bras alum s: ments:	40 ed DZ el plat ed bra sed br me pla s ninium	50 R bras ted iss (cc rass, f ated alloy, F F	2" ss acc. E prrosive r ull bore, plastic r emale th PTFE - po lepends	159 EN 12 ⁴ resista mach ed dip nread plytetr on dii	101 420 (c ant), n ined oped acc. afluor mens	180 corrosi ickel p to a m ISO22 etylen ions (s	70 ve re blatte licros	d moo	th finish,	
	2" forge nicke : forge pres chro bras alum s: ments: ments:	40 ed DZ el plat ed bra sed br me pla s ninium	50 R bras ted iss (cc rass, f ated alloy, F F	2" ss acc. E orrosive r ull bore, plastic r Female th PTFE - po	159 EN 12 ⁴ resista mach ed dip nread plytetr on dii	101 420 (c ant), n ined oped acc. afluor mens	180 corrosi ickel p to a m ISO22 etylen ions (s	70 ve re blatte licros	d moo	th finish,	

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.

Application



HERZ Ball Valve with red duraluminium handle

						Sw	T	
Model Dim	PN	DN	G	L	н	Α	Sw	Figure Dimension
1 2190 01 1/2"	50	15	1/2"	59	53	90	25	
1 2190 02 3/4"	50	20	3/4"	65	56	90	32	
1 2190 03 1"	50	25	1"	80,5	77	135	41	
1 2190 04 1 1/4	" 40	32	1 1/4"	91	81	135	48	
1 2190 05 1 1/2	" 40	40	1 1/2"	104	95	180	55	
1 2190 06 2"	40	50	2"	125,5	101	180	70	
all: pindle: landle: ealing elements: Conections:	finish, brass Alumi PTFE	chrom nium al (ball ar	e plattec loy, red d nd spindl d acc. IS	l dipped le)		a micros		
Maximum pressure	:	Depe	nds on c	limensio	n (bar)			Operating data
Maximum tempera	iure:	150 °(C (5 bar,	water 0.	.5°C-110	°C, no s	team)	
Ball valve is used in eating systems, en ngineering. Genera vater, wash liquids, ven if we exceeds	ergy syste ally can be dry comp	ems, co e used v ressed	nstructic with all n air. For ι	on engine on aggre	eering ar essive flu	nd mecha uids such	anical as hot	Application
								We reserve the right to make modifications nessecitated

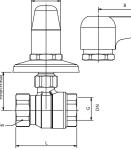
Use PTFE, Teflon ribbon or sealing paste to seal the connection between the pipe and the valve. Screw the pipe int end with a suitable assembly tool (Sw) not exceed the maximum torque. We recommend the valve is used in the index position, not in a mid position. The ball valve does not need special maintenance. At least twice per year exercise the valve. Instruction for assembling and maintenance





HERZ Ball valve for flush mounting with cap or handle

_					лашнанин Sw —	
	Model	Dim.	PN	DN	G	L
	1 2202 01	1/2"	16	15	1/2"	59
	1 2202 02	3/4"	16	20	3/4"	65
	1 2202 11	1/2"	16	15	1/2"	59
	1 2202 12	3/4"	16	20	3/4"	65



Model	Dim.	PN	DN	G	L	Α	В	hmin	hmax	Sw
1 2202 01	1/2"	16	15	1/2"	59	24		25	40	25
1 2202 02	3/4"	16	20	3/4"	65	24		30	45	32
1 2202 11	1/2"	16	15	1/2"	59		40	25	40	25
1 2202 12	3/4"	16	20	3/4"	65		40	30	45	32

Body: Ball: Ball seals: Spindle: Spindle seals: Cap or handle:	forged brass acc. EN 12420 pressed brass, full bore, chrome plated PFTE brass EPDM plastic, chrome plated	Construction	
			ł

Connections:	Female thread acc. ISO228	Specification
Maximum pressure:	16 bar	
Minimum temp.:	-10°C, water 0,5°C	
Maximum temperature:	90°C (short period 110°C)	

Herz recommend the use of spinning material, teflon ribbon-sealing paste to seal the connection between the pipe and ball valve. Screw the pipe end into the ball valve with a suitable assembly tool do not exceed the maximum torque. The ball valve doesn't need special maintenance.	Assembly and maintenance
The ball valve is used in water installations as an isolation valve. It's also used in the central heating systems, energy systems, construction engineering	Application

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 working conditions are exceeded.



Шаровой кран с вентилем для выпуска воздуха

Нормаль 2402 Издание 0607

Артикул	Размер	PN	DN	G	Gh	L	н	Sw	A	В	Артикул	Габаритные размеры
1 2402 01	1/2″	40	15	1/2″	1/8″	75	46	26	90	55	1 2402 11	
1 2402 02	3/4″	40	20	3/4″	1/8″	80	48	32	90	55	1 2402 12	
1 2402 03	1″	40	25	1″	1/8″	90	72	41	135	75	1 2402 13	
1 2402 04	1 1/4″	40	32	1 1/4″	1/8″	110	75	50	135	75	1 2402 14	
1 2402 05	1 1/2″	25	40	1 1/4″	1/8″	106	85	55	182			
Корпус: Муфта: Шар: Уплотнении Шпиндель: Уплотнении Спускной в Рукоятка:	е шпинд	Исполнение										
Муфта:					енняя					28		Условия эксплуатации
Максимал				· · ·	о (зави	сит от	темп	ерату	ры)			
Минималь				-10°C								
Максимал	ьная тем	ипера	тура:	90°C (I	на кор	откий	пери	од 11	D°C)			
трубой и ш монтажа ин Шаровой к	Максимальная температура: 90°С (на короткий период 110°С) ЕРЦ рекомендует использовать тефлоновую ленту, уплотнительную пасту между рубой и шаровым краном. Монтаж производить только предназначенным для онтажа инструментом (Sw), не превышая максимальный крутящий момент. Іаровой кран следует применять либо в полном открытом или в закрытом поло- ении, но не в промежуточном. По крайней мере дважды в год надлежит произво-											Монтаж и особенности обслуживания

дить поворот шарового крана.

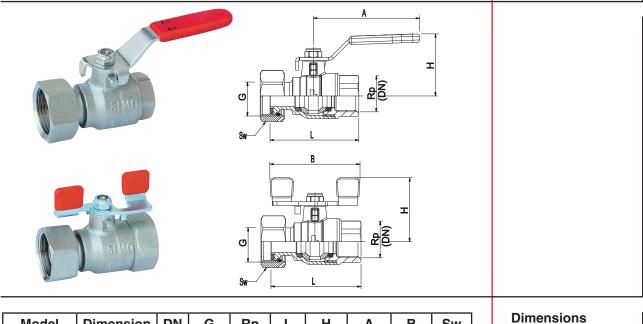
Изменения вносятся по мере технического совершенствования

HERZ Armaturen Richard-Straße 22, A-1230 Wien e-mail: office@herz-armaturen.com • www.herz-armaturen.com Шаровой кран может быть использован как запорный кран в замкнутых отопительных системах. Используется также в центральных отопительных системах, энергетических системах и в различных инженерных системах. Используется даже в тех случаях, когда рабочии параметры, кратковременно, могут быть превышены. Воздухоотводный вентиль может быть использован для слива. Применение

Все сведения, содержащиеся в этом документе, приведены в соответствии с информацией, имевшейся к моменту издания, и носят только информативный характер. Мы оставляем за собой право на изменения, направленные на техническое усовершенствование. Изображения являются символическими и могут внешне отличаться от реальных изделий. Возможная неправильная цветопередача обусловлена особенностями полиграфии. Возможны различия в изделиях, предназначенных для разных стран. Возможны изменения технической спецификации и порядка работы. По любым вопросам просим обращаться в ближайшее отделение фирмы ГЕРЦ.



HERZ Ball Valve with free moving nut



	Model	Dimension	DN	G	Rp	L	н	Α	В	Sw		Dimensions	
	1 2442 01	1/2"	15	3/4"	1/2"	54	42	70	58	30			
	1 2442 02	3/4"	25	3/4"	3/4"	58	42	70	58	30			
<tbody:< tr="">Body:pressed brass acc. EN 12420, nickel platedBall:pressed brass, full bore, machined to a microsmooth finish, chrome plated</tbody:<>												Construction	
	Ball seals:	PTFE											
Spindle seals: EPDM 70 ShA													
	Handle:	steel, galv	anic i	Zn plat	td, plas	stic co	ver						

Conections:	Female thread acc. ISO228 (G), ISO7-1 (Rp)	Specification
Sealing elements:	PTFE (ball), EPDM (spindle)	
Maximum pressure:	16 bar	
Maximum temperature:	85°C (5 bar, water 0,5°C-110°C short period, no steam)	

Herz recommend the use of spinning material, Teflon ribbon-sealing paste to seal the connection between the pipe and ball valve and connections (Rp). Screw pipe end into the end connections with a suitable assembly tool do not to exceed the maximum torque moment. Use the ball valve in the fully open or closed position, not in mid position. The ball valve doesn't need special maintenance.

We reserve the right to make modifications necessitated by technical progress.

Assembly

and maintenance

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 working conditions are exceeded.

Application



Brass Ball Valve

Model	Dim.	PN	DN	L	Α	Н	Sw	Weight	В	Model	Dimensions
1 2453 00	25	10	3/8"	50	70	40	21	(kg)	60	1 2453 10	
1 2453 00	25 25	10	3/8 1/2"	60	90	40 45	21	0,145 0,220	60	1 2453 10	
1 2453 02	25	20	3/4"	68	90	43	31	0,220	60	1 2453 12	
1 2453 03	25	25	1"	81	135	61	39	0,600	85	1 2453 13	
1 2453 04	25	32	1 1/4"	95	135	65	48	0,960	85	1 2453 14	
1 2453 05	25	40	1 1/2"	106	180	86	55	1,590			
1 2453 06	25	50	2"	127	180	92	68	2,550			
Body: Ball: Ball seal: Spindle: Spindle seal Handle:	bra PTF bra s: NBI	ss Ms E (po ss Ms R 70 S		ome pl uoreth <u>y</u>							Construction
											Specification
Working ter		ure:		0°C		£1 · ·					operindution
Suitable for				naggre				aval-t->	711/ //		
Certification:GOST (Russia), TSU (Slovakia), ZIK (Croatia)Herz recommend the use of spinning material, teflon ribbon-sealing paste to seal the connection between the pipe and the ball. Screw the pipe and into the ball with a suitable a tool (Sw) not to exceed the maximum torque moment (Mt 1). The ball valve does not need special maintenance.											Assembly and maintenance
HERZ Armaturen Richard-Straße 22,	A-1230 Wi										We reserve the right to make modifications necessitated by technical progress.

To be used in water installations as an isolation valve. It's also used in the central heating systems, energy systems, construction engineering and mechanical engineering. For use where one expects durability even if the working conditions are exceeded.

Application



HERZ Ball Valve "EURO"

Model	Dim.	PN	DN	G	L	H(A)	Α	H(B)	В	Sw	Model	Contents
1 2902 01	1/2"	16	15	1/2"	50	44	85	42	60	25	1 2902 11	
1 2902 02	3/4"	16	20	3/4"	57	48	85	46	60	31	1 2902 12	
1 2902 03	1"	16	25	1"	73	57	115	62	85	39	1 2902 13	
1 2902 04	1 1/4"	16	32	1 1/4"	84	61	115	66	85	48	1 2902 14	
End connec Ball: Spindle: Handle:	Spindle: brass											Construction
Conections	6:			Male	threa	ad acc	. ISO2	228				Specification
Maximum p	oressur	e:		up to								
Temperatu	re rang	e:		_							steam)	
Medium:				wate	r, air,	oil, (I	non-a	gressiv	/e m	ediur	ns)	
Use PTFE, Teflon ribbon or sealing paste to seal the connection between the pipe and the valve. Screw the pipe in and with a suitable assembly tool (Sw) not exceed the maximum torque. We recommend the valve is used in the index position, not in a mid position. The ball valve does not need special maintenance. At least twice per year exercise the valve. We reserve the right to make modifications nessecitated by technical progress.												
HERZ Armaturen Richard-Straße 22 e-mail: office@herz			• www.he	ərz-armatur	en.com							

The ball valve is used in installations as an isloation 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.

Application



Ball Valve EURO with tailpiece (O-Ring) steel locking handle or lever

Datasheet 2911 Issue 0607

Physics of the second s					U I					а а 5w	T	
Model	Dim.	PN	DN	G	R	L	н	A	В	Sw1	Sw2	Dimensions
1 2911 01	1/2"	16	15	1/2"	1/2"	77	44	85		30	25	
1 2911 02	3/4"	16	20	3/4"	3/4"	89	48	85		36	31	
1 2911 03	1"	16	25	1"	1"	106	57	115		46	39	
1 2911 11	1/2"	16	15	1/2"	1/2"	77	60		42	30	25	
1 2911 12	3/4"	16	20	3/4"	3/4"	89	60		42	36	31	
1 2911 13	1"	16	25	1"	1"	106	85		63	46	39	
Body: Ball: Ball seals: Spindle: Spindle seals Tail seal: Handle:	5:	p P b N E	resse TFE rass IBR 7(PDM	d bras d bras OShA 80ShA ith pla	ss, full	bore,						Construction
Connections	6:			Femal	e/Male	e threa	ad ac	c. ISC	228			Specification
Maximum pi	ressure	:		16 ba	ar							
Maximum te	mperat	ure:		90°C	(short	perio	d 110	°C)				
Minimum ter	nperati	ure:		-10°C	, wate	r 0,5°(С					
Medium:				unago	gressiv	ve type	e (wa	ter, oil	air,)		
seal the conr Screw the pi	Herz recommend the use of spinning material, teflon ribbon-sealing paste to seal the connection between the pipe and ball valve. Screw the pipe into ball valve with suitable assembly tool not to exceed the naximum torque. Ball valve does not need special maintenance.										Assembly and maintenance	
												modifications necessitated by technical progress.

HERZ Armaturen Richard-Straße 22, A-1230 Wien e-mail: office@herz-armaturen.com • www.herz-armaturen.com The ball valve is used in pipe installations an isolation valve. It's used in the central heating systems, energy systems, construction engineering and mechanical engineering. We use it in all places where expects durability even if working conditions are exceeded.

Application



Ball valve for pumps with non-return valve

PNED		3						Sw C	NQ	
Model	Dimensior	ו PN	DN	G	L	н	Α	D	Sw	Dimensions
1 2268 03	1"	16	20	1"	100	56	75	44	39	
Body: End connec Ball: Spindle: Return valve Handle:	tions:	forged k forged k pressed finish, cl brass forged k aluminiu	orass, r brass hrome orass a	nickel p , full bc plated acc. EN	olated ore, mad 12420	chinec , nicke	l to a m l plate	nicrosn	nooth	Construction
Connectior	ne:	Female	throad	200 19	50228					Specification
Sealing ele		PTFE (b)M (nc	n retur	n valv	e)	
Maximum p		16 bar					, in rotai	TT Valv		
Temperatur		-30°C to) 150°C	C (wate	r 0,5°C	to 11()°C)			
Medium:	-	water, o								
L		, -	. , .	, -	<u> </u>		- /]	
Herz recoming to seal the community with built-in non-return v pump is mo of the valve. opened with gravitationa which are an special main	connection b non-return v valve) after th unted with th . In the case the screw, I heating. Wi dapted to th	betwen th valve in the circul ne "holla of the c which m hen mou	ne pipe he flow ating p .nd" nu losing, ust be inting p	e and b direction oump of it G1-1/ circuit put in please	all valv ion (dire f the ce '2", whi the nou positior use the	e. Mou ection entral h ch is f n-retur n "I". T e prope	unt the is mark neating itted or n valve his ena er mout	ball va ked on . Circu the fla e can b ables th ting too	alve in the ilating ange be he ols,	Assembly and maintenance We reserve the right to make modifications necessitated
HERZ Armaturen Richard-Straße 22 e-mail: office@her.	, A-1230 Wien z-armaturen.com •	www.herz-a	rmaturen.o	com						by technical progress.

The ball valve is used as a closing armature in central heating installations. The armature prevents thermo syphonic circulation of the water from the boiler. Ball valve with built-in non-return valve is mounted in the heating branch directly after the circulating pump of the central heating. The ball valve is used only in 2 basic positions: open and closed.

Application



HERZ Ball valve for pumps

		0		U NA		B	L		
Model	Dimensior		DN	G	L	н	Α	D Sw	Dimensions
1 2269 03	1"	16	20	1"	82	56	75	44 39	
Body: End connect Ball: Spindle: Return valve Handle:	tions: ::	forged b forged b pressed finish, ch brass forged b aluminiu	rass, r brass, nrome rass a	nickel p full bo plated cc. EN	olated ore, mac 12420,	chined nicke	to a m	nicrosmooth	Construction
Connection	IS:	Female	thread	acc. IS	60228				Specification
Sealing eler	ments:	PTFE (b	all, spi	ndle) a	nd EPD	M (no	n retur	n valve)	
Maximum p	pressure:	16 bar							
Temperatur	e range:	-30°C to	150°C	(wate	r 0,5°C	to 110	°C)		
Medium:		water, oi	l, air,	(non a	agressiv	ve mec	liums)		
Herz recommend to seal the c with built-in non-return v pump is more of the valve. opened with gravitational which are ac special main	connection b non-return v alve) after th unted with th In the case the screw, heating. Wi dapted to the	etwen th ralve in th ne circula ne "holla of the cl which mu hen mou	e pipe ne flow ating p nd" nu osing, ust be nting p	and ba directi ump of t G1-1/ circuit put in p please u	all valve ion (dire f the ce '2", which the nor position use the	e. Mou ection i ntral h ch is fii n-return n "I". Th prope	nt the s mark eating tted or n valve nis ena r mout	ball valve ked on the Circulating the flange can be bles the ing tools,	Assembly and maintenance
									We reserve the right to make modifications necessitated by technical progress.



The ball valve is used as a closing armature in central heating installations. The armature prevents thermo syphonic circulation of the water from the boiler. Ball valve with built-in non-return valve is mounted in the heating branch directly after the circulating pump of the central heating. The ball valve is used only in 2 basic positions: open and closed.

Application



		hose ever	Datasheet 2503 Issue 0908								
Model	Dim.	PN	DN	G	d	L	н	Α	Sw	Dimensions	
1 2503 01	1/2"	16	10	1/2"	15	98	38	60	25		
1 2503 02	3/4"	16	15	3/4"	19	103	41	60	30		
Model	Dim.	PN	DN	G	d		н	В	Sw		
1 2503 11	1/2"	16	10	1/2"	15	98	38	40	25		
1 2503 12	3/4"	16	15	3/4"	19	103	41	40	30		
Body: End connection Ball: Spindle: Handle: Spout hose conserved Sealing element Conections:	onnector	forge press finish brass Alum : brass PTFE (spin	ed bras sed br , chro s inium s, nick - poly dle)	me plat alloy, re el plate	el plate l bore, ted ed dipp ed pretyler	ed machir bed n (ball)	ned to a	ated a micros 3R 70 S		Design	
Working pre	ssure:		gu	to 16 ba	ar					Operating data	
Working tem		:	<u> </u>			ter 0.5°	°C - 11	J°C, no	steam)		
Mediums:			wat	er, air,o	il, (n	on-agre	essive	medium	s)		
central heatin mechanical e fluids such as	The ball valve is used in installations as san isolation valve. For use in the central heating systems, energy systems, construction engineering and nechanical engineering. Generally can be used with all non aggressive uids such as hot water, wash liquids, dry compressed air. For use where one expects durability even if the working conditions are exceeded.										
										We reserve the right to make modifications necessitated by technical progress.	

Herz recommend the use of spinning material, teflon ribbon-sealing paste to seal the connection between the pipe and the ball valve. Screw the ball valve into the pipe end with a suitable assembly tool (Sw) do not exceed the maximum torque. We recommend the valve is used in the index position, not in a mid position. The ball valve does't need special maintenance. At least twice per year exercise the valve.

Assembly and maintenance





HERZ Ball Valve with hose spout, lever or toggle

Model	Dim.	PN	DN	G	d	L	н	Α	Sw	Dimensions
1 2503 01	1/2"	16	10	1/2"	15	98	38	60	25	
1 2503 02	3/4"	16	15	3/4"	19	103	41	60	30	
Model	Dim.	PN	DN	G	d	L	н	В	Sw	
1 2503 11	1/2"	16	10	1/2"	15	98	38	40	25	
1 2503 12	3/4"	16	15	3/4"	19	103	41	40	30	
Body: End connecti Ball: Spindle: Handle/Toggl Spout hose c Sealing eleme Conections:	e: onnector	forge press finish brass Alum : brass PTFE (spin	ed bras sed br , chro s iinium s, nick - poly dle)	ss, nick ass, ful me plat alloy, re el plate	el plate l bore, ted ed dipp ed pretyle	machir bed n (ball)	ned to a	ated a micros BR 70 S		Design
Working pre	ssure:		up 1	to 16 ba	Operating data					
Working terr	perature	:	0°C	to 110						
Mediums:			wat							
central heatin mechanical e fluids such as	The ball valve is used in installations as san 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.									Application We reserve the right to make modifications necessitated by technical progress.

Herz recommend the use of spinning material, teflon ribbon-sealing paste to seal the connection between the pipe and the ball valve. Screw the ball valve into the pipe end with a suitable assembly tool (Sw) do not exceed the maximum torque. We recommend the valve is used in the index position, not in a mid position. The ball valve does't need special maintenance. At least twice per year exercise the valve.

Assembly and maintenance



HERZ Ball Valve with hose spout and lever

Model	Dim.	PN	DN	G	d	L	н	Α	Sw	Dimensions		
1 2510 00	3/8"	16	8	3/8"	12	57	38	60	21			
1 2510 01	1/2"	16	10	1/2"	15	66	40	60	24			
Model	Dim.	PN	DN	G	d	L	н	В	Sw			
1 2510 10	3/8"	16	8	3/8"	12	57	38	40	21			
1 2510 11	1/2"	16	10	1/2"	15	66	40	40	24			
Body: End connecti Ball: Spindle: Handle: Spout hose c Sealing elem Conections:	onnector	forge press finish brass Alum : brass PTFE (spin	ed bras sed br s inium s, nick - poly dle)		el platt achined ted ed dipp ed pretyler	ed d to a n bed n (ball)	nicrosm		hA	Design		
Working pre	ssure:		up t	to 16 ba	ar					Operating data		
Working terr	perature		0°C	to 90°	C (wate	er 0.5°C	C - 90°C	C, no ste	eam)			
Mediums:			wat	er, air,o	il, (n	on-agre	essive i	medium	s)			
The ball valve heating syste engineering.	ms, ener	Application										

Herz recommend the use of spinning material, teflon ribbon-sealing paste to seal the connection between the pipe and ball valve. Screw the ball valve into the pipe end with a suitable assembly tool (Sw) do not exceed the maximum torque. We recommend the valve in used in the index position, not in a mid position. The ball valve does't need special maintenance. At least twice per year exercise the valve.

Assembly and maintenance



HERZ Ball Valve fill up

Model	Dimension	PN	DN	G	d	L	Н	Α	Sw		Dimensions
1 2512 01	1/2"	12,5	10	1/2"	15	83	37	40	24		
1 2512 02	3/4"	12,5	15	3/4"	19	98	40	40	30		
Body: Ball: Spindle: Handle:	forged bras pressed bras plated brass aluminium a	ass, ma	achined	d to a m	nicrosm	nooth fir	hish, c	hrome	9		Construction
Connections	:	Ма	ale threa	ad acc.	ISO22	28					Specification
Sealing ele	ements:	PF	TE (bal	19 and 1	NBR 70) ShA (spindl	e)			
Maximum pr	essure:		.5 bar								
Temperature	range:)°C to 1								
Medium:		wa	ter, air,	oil, (r	non agi	ressive	mediu	ums)			
to seal the co	end the use on nection betwoe suitable asse	een the	e pipe	and ba	ll valve	. Screw	/ ball \	alve i	nto		Assembly and maintenance
heating system engineering. (water, wash lie	Il valve is used in installations as a drain and fill valve. For use in the central ating systems, energy systems, construction engineering and mechanical gineering. Generally can be used with all non aggressive fluids such as hot ter, wash liquids, dry compressed air. For use where one expects durability en if the working conditions are exceeded.										Application
All details contained in this brochure appertain to that available at the time of printing and serve as information. We reserve the right to make changes in the event of technical advancements. The illustrations are understood to be symbolic representations and may therefore vary visually from the actual products. Any colour variations are dependent upon the printing technology used. Products may also vary according to the country. We reserve the right to make changes to technical specifications and functions. Please contact your nearest branch of HERZ with any questions.											We reserve the right to make modifications necessitated by technical progress.

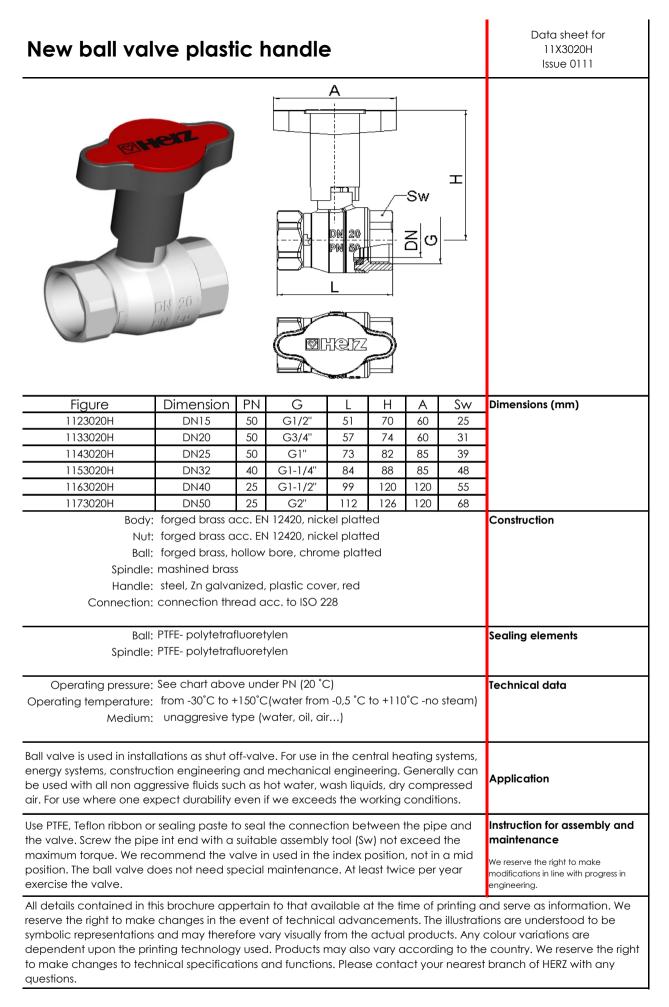


New ball valv thermometer	e plastic	: ho	andle	with				Data sheet for 11X3021H Issue 0111
	1 200					<u>ک</u> م ج	T	
Figure	Dimension	PN	G	L	Н	А	Sw	Dimensions (mm)
1123021H	DN15	50	G1/2"	51	70	60	25	
1133021H	DN20	50	G3/4"	57	74	60	31	
1143021H	DN25	50	G1"	73	82	85	39	
1153021H	DN32	40	G1-1/4"	84	88	85	48	
1163021H 1173021H	DN40 DN50	25 25	G1-1/2" G2"	99 112	120 126	120 120	55 68	
Nut: Ball: Spindle: Handle: Thermometer:	forged brass ac forged brass a forged brass, he mashined brass plastic black he metal housing connection thre	cc. EN ollow I ss andle,	l 12420, nick bore, chron plastic red	kel platte ne platte top cov	ed ed			Construction
	PTFE- polytetraf PTFE- polytetraf							Sealing elements
Operating pressure: Operating temperature: Medium:		-150°C	(water -0,5	°C to +1	10°C -r	no stec	ım)	Technical data
Ball valve is used in installa energy systems, constructio used with all non aggressiv use where one expect dure	on engineering c e fluids such as l	and m hot wa	echanical e ater, wash li	engineer quids, di	ing. Ge 'y comp	enerall ^y oressed	y can be	Application
Use PTFE, Teflon ribbon or so valve. Screw the pipe int e torque. We recommend th ball valve does not need s	nd with a suitab e valve in used i	le asse in the	embly tool (index positi	(Sw) not on, not i	exceed n a mid	d the m I positio	naximum on. The	Instruction for assembly and maintenance We reserve the right to make modifications in line with progress in engineering.
All details contained in this reserve the right to make c symbolic representations a upon the printing technolo changes to technical spec	hanges in the e nd may therefor gy used. Produc	vent o re vary cts ma	f technical / visually fro y also vary o	advanc m the a accordir	ements ctual pi ng to th	:. The il roduct e cour	lustration s. Any co ntry. We r	s are understood to be lour variations are dependent eserve the right to make

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New ball valve Aluminium handle, short

								Issue 0111
	FIN 20 J=N (31)					ິ₩ [ິິິິິິິິິິິ -	T	
Figure	Dimension	PN	G	L	Н	А	Sw	Dimensions (mm)
1122020	DN15	50	G1/2"	51	42	55	25	
1132020	DN20	50	G3/4"	57	56	55	31	
1142020	DN25	50	G1"	73	57	75	39	
1152020	DN32	40	G1-1/4"	84	63	75	48	
Ball Spindle Handle	t: forged brass a : forged brass, h : mashined brass : silumin, short, n : connection thr	nollow s ed	bore, chror	ne platt				
	: PTFE- polytetraf : PTFE- polytetraf							Sealing elements
Operating pressure Operating temperature Medium		-150°C	(water from	n -0,5 ℃	to +110)°C -nc	steam)	Technical data
Ball valve is used in insta energy systems, construc be used with all non agg air. For use where one es	ction engineering gressive fluids suc	g and h as h	mechanica 10t water, w	l engine ash liqui	ering. (ds, dry	Genero comp	ally can ressed	Application
Use PTFE, Teflon ribbon o the valve. Screw the pip maximum torque. We re position. The ball valve o exercise the valve.	e int end with a s commend the vo	suitab alve in	le assembly used in the	tool (Sw index p	/) not e osition,	xceed not in	the a mid	Instruction for assembly and maintenance We reserve the right to make modifications in line with progress in engineering.
	e changes in the	event	of technico	al advar	ncemer	nts. The	e illustratio	engineering. nd serve as information. We ons are understood to be

symbolic representations and may therefore vary visually from the actual products. Any colour variations are dependent upon the printing technology used. Products may also vary according to the country. We reserve the right to make changes to technical specifications and functions. Please contact your nearest branch of HERZ with any auestions.

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New ball valv	ve metal	ha	ndle <i>l</i>	MXN	١			Data sheet for 11X1023H Issue 0111
]			
Figuro	Dimonsion	DNI	G		Ш			Dimonsions (mm)
<u> </u>	Dimension DN15	PN 16	G3/4"	L 51	H 48	A 90		Dimensions (mm)
1131023H	DN20	16	G1"	57	52	90		
1141023H	DN25	16	G1-1/4"	73	63	135		
1151023H	DN32	16	G1-1/2"	84	69	135		
1161023H	DN40	16	G1-3/4"	95	85	180		
1171023H	DN50	16	G2-3/8"	110	91	180		
Nut: Ball: Spindle: Handle: Connection: Ball:	 forged brass a forged brass a forged brass, h mashined brass steel, Zn galva Connection thr 	cc. To nollow nized, read o	PEN 12420, r bore, chror plastic cov acc. to ISO 2 ylen	nickel pla me platt rer, red	atted			Construction Sealing elements
Spindle:	PTFE- polytetraf	luoret	ylen					
Operating pressure: Operating temperature: Medium:		150°C	(water from	-0,5 °C	to +110	°C -no :	steam)	Technical data
Ball valve is used in installa energy systems, construction be used with all non aggree For use where one expect	on engineering o essive fluids such	and m as ho	nechanical ot water, wc	enginee 1sh liquic	ring. G Is, dry c	enerall compre	y can	Application
Use PTFE, Teflon ribbon or s valve. Screw the pipe int e maximum torque. We reco position. The ball valve do exercise the valve.	end with a suitab ommend the val	ole ass ve in (embly tool used in the i	(Sw) not index po	excee sition, r	d the not in c	ımid	Instruction for assembly and maintenance We reserve the right to make modifications in line with progress in engineering.
All details contained in this reserve the right to make a symbolic representations a upon the printing technolo changes to technical spec	changes in the e and may therefo ogy used. Produc	event o re var cts mo	of technical y visually fro ay also vary	advanc om the c accordi	cement Ictual p ng to th	rs. The i product ne cou	llustration s. Any co ntry. We	ns are understood to be plour variations are dependent reserve the right to make

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New ball va	Data sheet for 11X1022H Issue 0111									
De de de	10 000 10 000	est.	s a				A -Sw1 Ma[0]-	HUZ		
Figure	Dimension	PN	G	R	L	Н	А	Sw 1	Sw 2	Dimensions (mm)
1121022H	DN15	16	G1/2"	R1/2"	78	48	90	25	30	
1131022H	DN20	16	G3/4"	R3/4"	90	52	90	31	36	
1141022H	DN25	16	G1"	R1"	108	63	135	39	46	
1151022H	DN32	16	G1-1/4"	R1-1/4"	126	69	135	48	52	
1161022H	DN40	16	G1-1/2"	R1-1/2"	146	85	180	55	60	
1171022H	DN50	16	G2"	R2''	168	91	180	68	75	
Nut: Ball: Spindle: Handle: Holand priključek:	Connection the	acc. t hollov ss ranize nread	o EN 12420, w bore, chro d, plastic co acc. To ISO	nickel platte ome platted over, red 228	ed					Construction
	PTFE- polytetro PTFE- polytetro DN15, DN 20,	afluore	etylen	32, DN40, DN	150 kling	erit				Sealing elements
Operating pressure: Operating temperature:	see chart abc	ve un +150°	nder PN (20 ° C (water fro	°C) om -0,5 °C to			am)			Technical data
Ball valve is used in insta construction engineering fluids such as hot water, exceeds the working co	g and mechan wash liquids, c	ical e	ngineering.	Generally c	an be u	used wit	h all noi	n aggres	ssive	Application
Is PTFE, Teflon ribbon or sealing paste to seal the connection between the pipe and the valve. Screw he pipe int end with a suitable assembly tool (Sw) not exceed the maximum torque. We recommend valve in used in the index position, not in a mid position. The ball valve does not need special naintenance. At least twice per year exercise the valve.										Instruction for assembly and maintenance We reserve the right to make modifications in line with progress in engineering.

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New ball va	ew ball valve long Aluminium handle											
COPE PIN TO					α w σ 2							
Figure	Dimension:	PN	G	1	Н	А	Sw	Dimensions (mm)				
1121021H	DIMENSION. DN15	50	G1/2"	51	53	90	25					
1131021H	DN20	50	G3/4"	57	56	90	31					
1141021H	DN25	50	G1"	73	73	135	39					
1151021H	DN32	40	G1-1/4"	84	79	135	48					
1161021H	DN40	25	G1-1/2"	99	93	180	55					
1171021H	DN50	25	G2"	112	99	180	68					
Ba Spindle Handle Connection	It: forged brass ad II: forged brass, h e: mashined brass e: silumin long, re s: connection th	nollow s ed read c	bore, chror acc. to ISO 2	ne platt								
	II: PTFE- polytetrat e: PTFE- polytetrat		/ -					Sealing elements				
Operating pressure Operating temperature Mediun		0°C (w	vater from -0),5 °C to	+110°C	: -no ste	eam)	Technical data				
all valve is used in insta hergy systems, constru e used with all non ag r. For use where one e	ction engineering gressive fluids suc	g and ch as ł	mechanica not water, w	I engine 'ash liqu	ering. (ids, dry	Genero comp	ally can ressed	Application				
se PTFE, Teflon ribbon le valve. Screw the pip laximum torque. We re osition. The ball valve xercise the valve.	be int end with a ecommend the v	suitab alve ir	le assembly n used in the	tool (Sv index p	 not e osition 	xceed , not in	the a mid	Instruction for assembly and maintenance We reserve the right to make modifications in line with progress in engineering.				
serve the right to mak mbolic representation ependent upon the p	te changes in the ns and may there rinting technolog	even fore vo y usec	t of technico ary visually f 1. Products r	al advar rom the nay alsc	ncemei actual vary a	nts. The produ ccordi	e illustration cts. Any o ng to the	Ind serve as information. We ons are understood to be colour variations are country. We reserve the righ branch of HERZ with any				

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auestions.



New ball valve	Data sheet for 11X1020H Issue 0111							
	ist			A Sw ZO ¢m	באש שונופ			
Figure	Dimension:	PN	G	L	Н	A	Sw	Dimensions (mm)
1121020H	DN15	50	G1/2"	51	48	90	25	
1131020H	DN20	50	G3/4"	57	52	90	31	
1141020H	DN25	50	G1"	73	63	135	39	
1151020H	DN32	40	G1-1/4"	84	69	135	48	
1161020H	DN40	25	G1-1/2"	99	85	180	55	
1171020H	DN50 forged brass a	25	G2"	112	91	180	68	Construction
Nut: Ball: Spindle: Handle:	forged brass a forged brass, h mashined brass steel, Zn galva Thread acc. ISC	cc. EN nollow s nized,	l 12420, nicke bore, chrom	el platteo e platteo	b			
Ball: Spindle:	Sealing elements							
Operating pressure: Operating temperature: Medium:		+150°C	(water from		o +110°(C -no st	team)	Technical data
Ball valve is used in installation ystems, construction enginee all non aggressive fluids such a expect durability even if we e	ring and mecha as hot water, wo	nical ash liqu	engineering. Jids, dry com	Genera	lly can	be use	d with	Application
Jse PTFE, Teflon ribbon or seali valve. Screw the pipe int end orque. We recommend the v valve does not need special r	with a suitable c alve in used in th	assem! ne ind	oly tool (Sw) r ex position, n	not exce ot in a n	ed the nid posi	maxim ition. Th	num	Instruction for assembly and maintenance We reserve the right to make modifications in line with progress in engineering.

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New ball valve	Data sheet for 18X1020H Issue 0111							
E DI SO				A Sw ZO				
Figure	Dimension	DN			I		<u>Curr</u>	
Figure 1821020н	Dimension DN15	PN 50	G G1/2"	L 51	H 48	A 90	Sw 25	Dimensions (mm)
1831020H	DN20	50	G3/4"	57	52	90	31	
1841020H	DN25	50	G1"	73	63	135	39	
1851020H	DN32	40	G1-1/4"	84	69	135	48	
1861020H	DN40	25	G1-1/2"	99	85	180	55	
1871020H	DN50	25	G2"	112	91	180	68	
Body: Nut: Ball: Spindle: Handle: Connection:	Construction							
Ball: Spindle:	Sealing elements							
Operating pressure: Operationg temperature: Medium:	Technical data							
Ball valve is used in installatic energy systems, construction used with all non aggressive use where one expect durab	engineering an fluids such as ho	d mea ot wat	chanical en er, wash liqu	gineerin Jids, dry	ig. Gen compr	erally o	can be	Application
Use PTFE, Teflon ribbon or sec valve. Screw the pipe int enc torque. We recommend the pall valve does not need spe	d with a suitable valve in used in	assen the in	nbly tool (Sv dex position	v) not ex n, not in r	kceed t a mid p	he ma	ximum . The	Instruction for assembly and maintenance We reserve the right to make

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