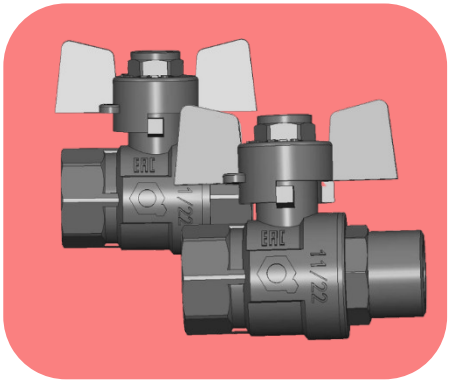
Ball valve

ZQBV300D15-25
ZQBV301D15-25
ZQBV302D15-25
ZQBV303D15-25

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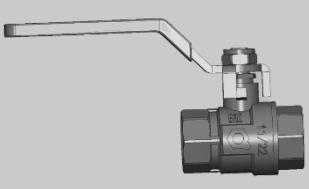
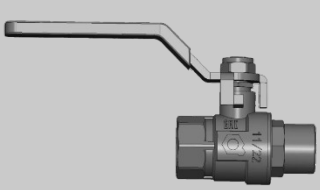
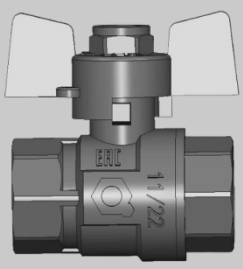
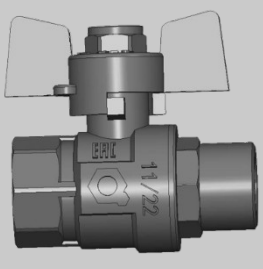
PRODUCT DESCRIPTION

Full bore ball valves are shutoff valves and are not intended for flow control. They perform the function of quickly shutting off the flow on pipelines for domestic use of hot and cold water supply systems, heating. Does not create resistance to flow

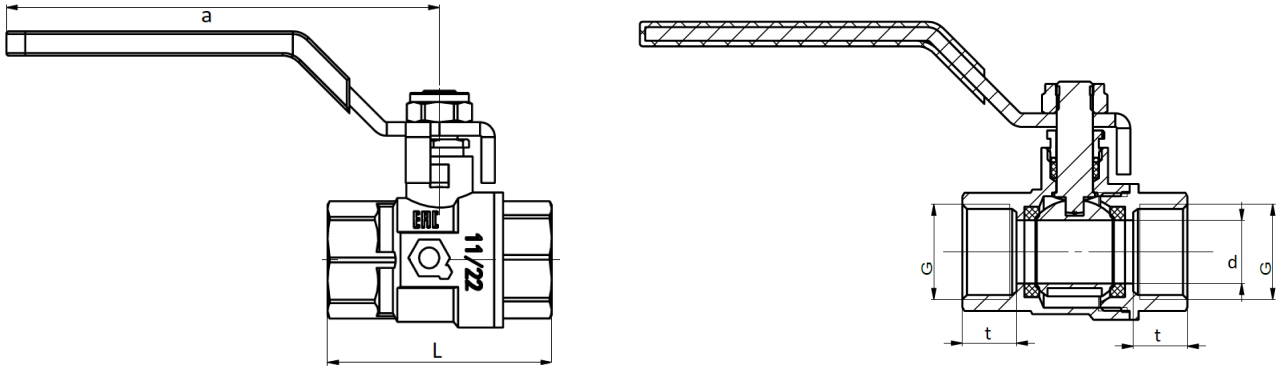
Ball valves must not be used as control valves.

TECHNICAL PARAMETERS	
Closure tightness class	A
Reparability	Yes
Nominal diameter	1/2" – 1"
Nominal operating pressure, PN	40 bar
Maximum operating temperature	100 °C
Minimum operating temperature	- 10 °C
Connection type	Threaded
Threaded connection standard	ISO288/1
Type of flow section	Full bore

ASSORTMENT

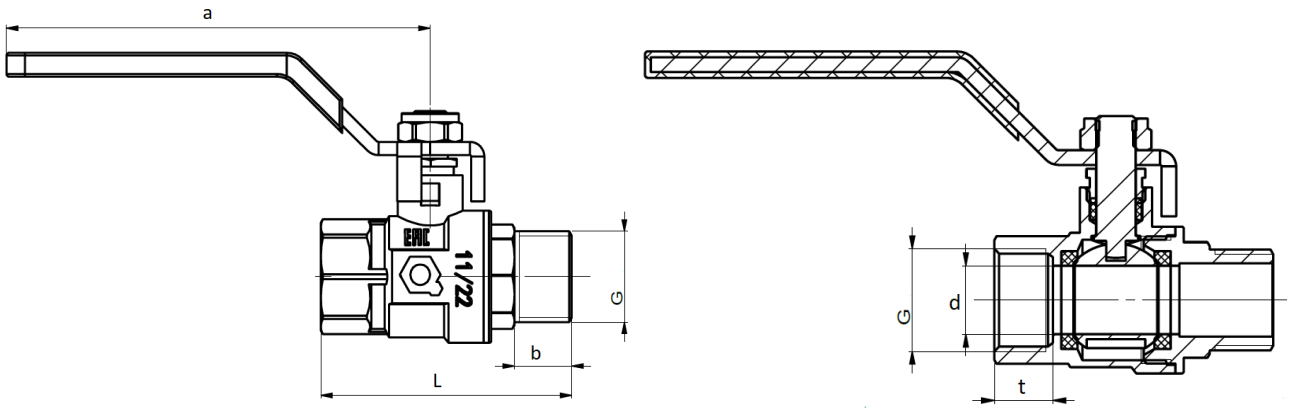
ZQBV300D15-25	ZQBV301D15-25	ZQBV302D15-25	ZQBV303D15-25
1/2“-1”	1/2“-1”	1/2“-1”	1/2“-1”
Flow rate Kv, m3/h			
1/2“ – 14,61	11,64	14,61	11,64
3/4“ – 25,85	24,97	25,85	24,97
1“ – 33,25	29,29	33,25	29,29
			

DIMENSIONS. ZQBV300D15-25



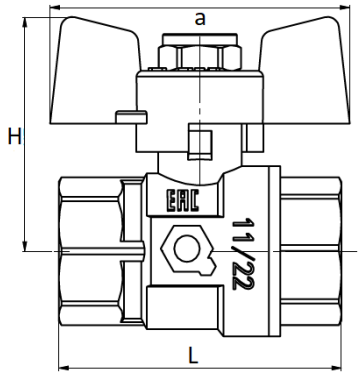
DIMENSION	G	L (mm)	a (mm)	t (mm)	d (mm)	Weight, g
1/2”	1/2”	49,8	96,2	12	14	193
3/4”	3/4”	55,0	96,2	12,3	19	261
1”	1”	64,8	119,2	14,5	23	416

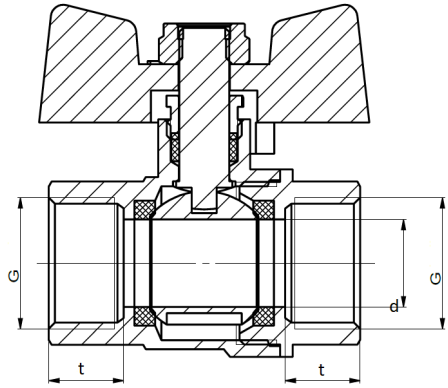
DIMENSIONS. ZQBV301D15-25



DIMENSION	G	L (mm)	a (mm)	b (mm)	t (mm)	d (mm)	Weight, g
1/2”	1/2”	57	96,2	13	12	14	199
3/4”	3/4”	64	96,2	14	12,3	19	272
1”	1”	74	119,2	16	14,5	23	431

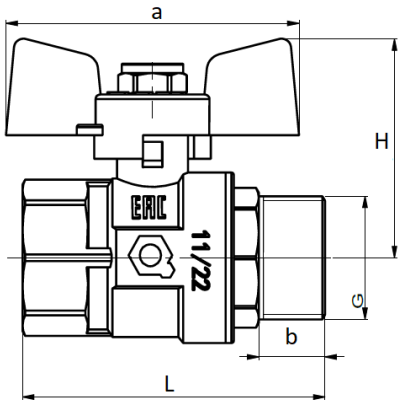
DIMENSIONS. ZQBV302D15-25

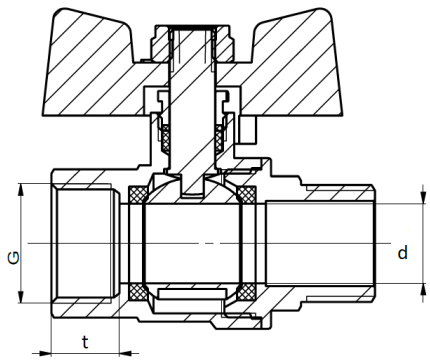




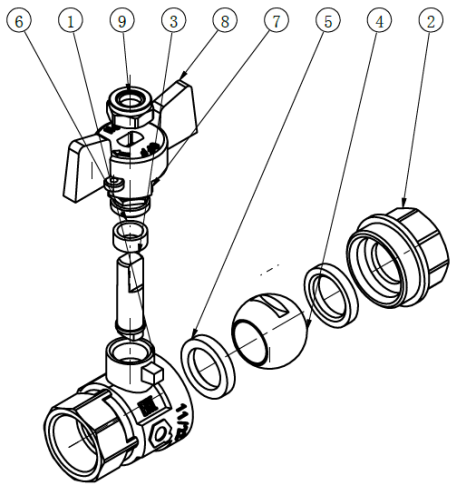
DIMENSION	G	H (mm)	L (mm)	a (mm)	t (mm)	d (mm)	Weight, g
1/2”	1/2”	41,2	49,8	52,8	12	14	155
3/4”	3/4”	46,2	55,0	62	12,3	19	230
1”	1”	53,9	64,8	72,6	14,5	23	378

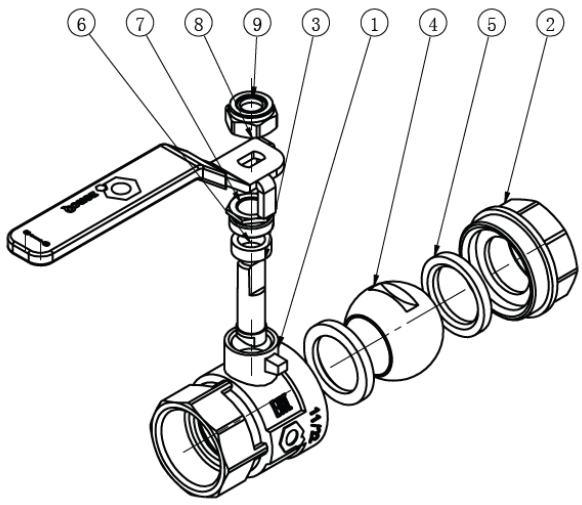
DIMENSIONS. ZQBV303D15-25





DIMENSION	G	H (mm)	L (mm)	a (mm)	b (mm)	t (mm)	d (mm)	Weight, g
1/2”	1/2”	41,2	57	52,8	13	12	14	161
3/4”	3/4”	46,2	64	62	14	12,3	19	241
1”	1”	53,9	74	72,6	16	14,5	23	393





DESIGN AND MATERIALS		
1	Big half-body	Brass CW617N
2	Small half-body	Brass CW617N
3	Stem	Brass CW617N
4	Ball	Brass CW617N
5	Seat ring (2 pcs)	PTFE
6	Steam seal	PTFE
7	Fixed nut	Brass CW617N
8	Handle	Al / Steel
9	Handle fixing nut	Stainless steel AISI201

OPERATING PRINCIPLE

The valve consists of a composite brass body, a ball, which is closed with a butterfly. The force of rotation of the butterfly on the ball is transmitted by a stem with a PTFE seal.

The butterfly is attached to the stem with a nut.

Ball valves are equipped with a semi-switch.

The ball is placed between teflon seat rings.

INSTALLATION REQUIREMENTS

1. The valve can be installed in any mounting position.
2. The valve should not experience loads from the pipeline (bending, compression, tension, torsion, distortion, vibration, misalignment of nozzles, uneven tightening of fasteners). If necessary, supports or compensators should be provided to reduce the load on the fittings from the pipeline.
3. The misalignment of the connected pipelines should not exceed 3mm for a length of up to 1m plus 1mm for each subsequent meter.
4. The coupling connection of the tap must be performed using PTFE-tape or sanitary polyamide thread as sealing materials.
5. For installation of the valve, it is not allowed to use pipe lever wrenches higher than the second number, while it is allowed to act with the key only on the hexagon of the valve inlet pipe.

OPERATION AND MAINTENANCE REQUIREMENTS

1. Valves must be operated at the pressure and temperature specified in the specification table.
2. It is not allowed to operate valve with a loose handle fastening screw.
3. It is strictly forbidden to allow the working medium to freeze inside the tap. When draining the system in winter, the valve must be left half-open so that the working medium does not remain in the cavities behind the shutter.
4. To prevent "sticking" of the ball valve to the seat rings, it is recommended to perform a forced closing/opening cycle of the valve once every 6 months.

MANUFACTURER

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Country of origin: China

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