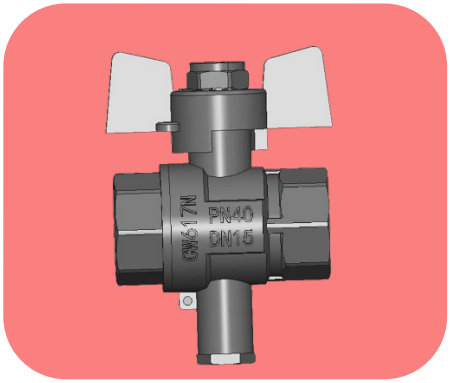
Ball valve with probe holder

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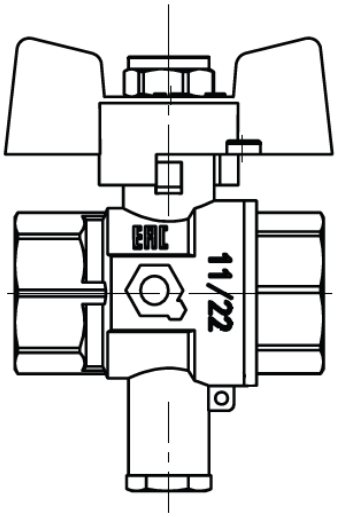


PRODUCT DESCRIPTION

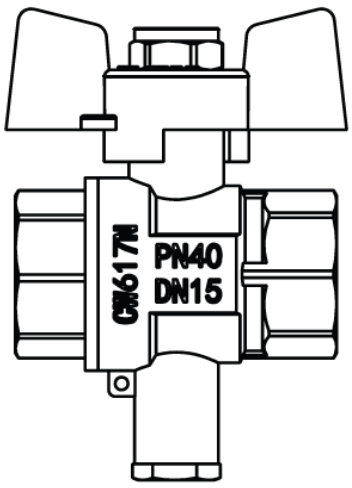
Full bore ball valves are shutoff valves and are not intended for flow control. They perform the function of quickly shutting off the flow on pipelines for domestic use of hot and cold water supply systems, heating. Does not create resistance to flow

Ball valves must not be used as control valves.

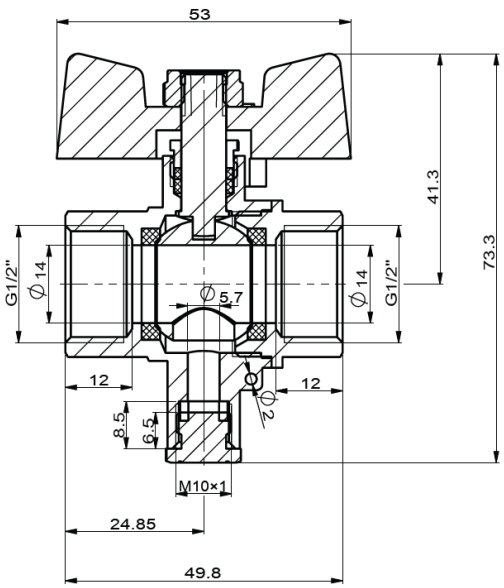
The presence of an outlet at the bottom of the housing allows you to connect a temperature sensor to valve.

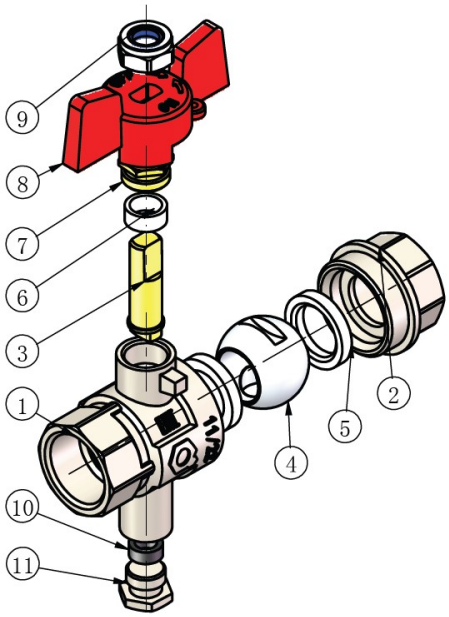


TECHNICAL PARAMETERS	
Closure tightness class	A
Reparability	Yes
Nominal diameter	1/2"
Nominal operating pressure, PN	40 bar
Maximum operating temperature	100 °C
Minimum operating temperature	- 10 °C
Connection type	Threaded
Threaded connection standard	ISO288/1
Type of flow section	Full bore
Thread size for temperature sensor connection	M10*1
Thread length for temperature sensor	8,5 mm



DIMENSIONS





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	Stem seal	PTFE
7	Washer	Brass CW617N
8	Handle	Aluminum
9	Handle fixing nut	Stainless steelAISI201
10	Seal	EPDM
11	Plug	Brass HPb57-3

ПРИНЦИП ДЕЙСТВИЯ

The ball 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. The ball is placed between teflon seat rings.

In the lower part of the case there is an outlet for the temperature sensor. In the factory, the outlet is closed with a plug with a sealing ring.

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 valve 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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