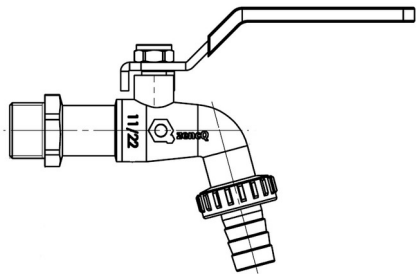
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PRODUCT DESCRIPTION

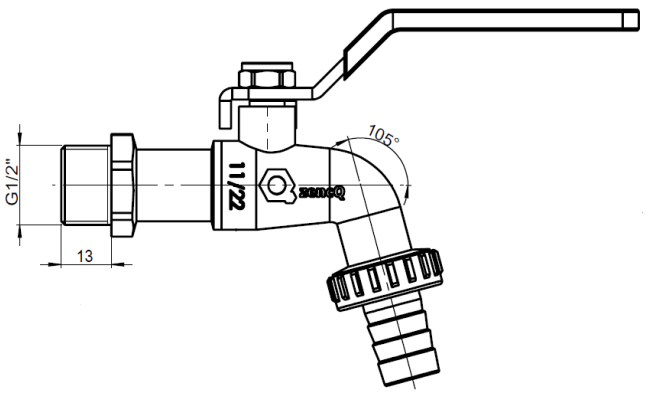
Ball valves are valves and are not designed to regulate the flow. They are used as water folding fittings on pipelines of cold (including drinking) and hot water supply systems. The valve can be used on technological pipelines transporting liquids and gases that are not aggressive to the material of the valve.

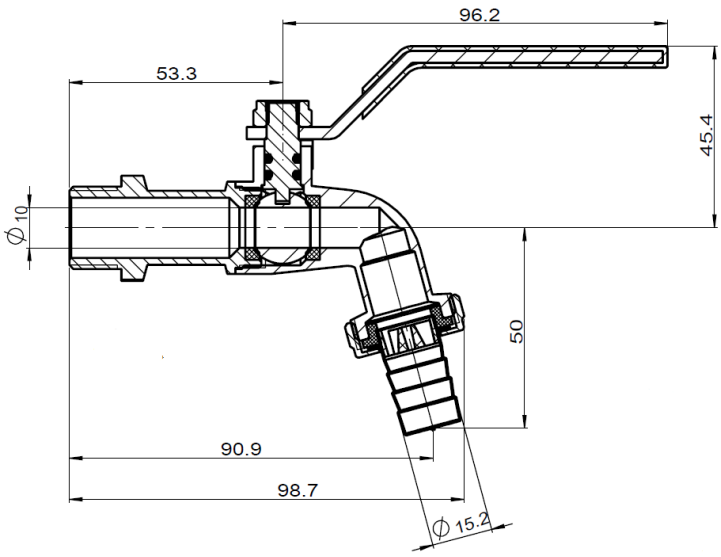
Ball valves must not be used as control valves. Bibcocks is equipped with a removable fitting for connecting the hose.

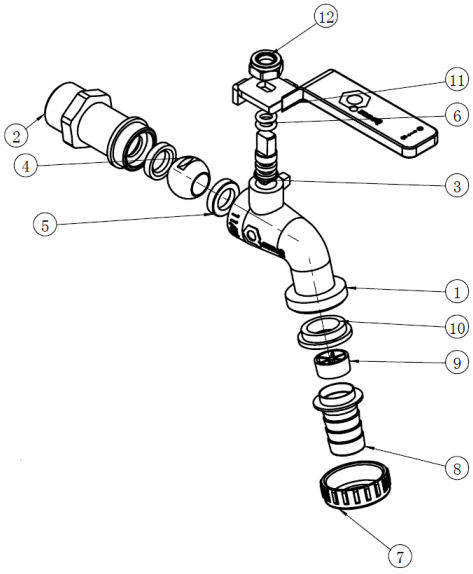


TECHNICAL PARAMETERS	
Closure tightness class	A
Reparability	No
Nominal diameter	1/2"
Nominal operating pressure, PN	16 bar
Maximum operating temperature	100 °C
Minimum operating temperature	- 10 °C
Connection type	Threaded
Threaded connection standard	ISO288/1

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 (2 pcs)	EPDM
7	Nut	Brass CW617N
8	Fitting	Stainless steel AISI201
9	Divider	PE
10	O-ring	EPDM
11	Lever	Steel
12	Handle fixing nut	Stainless steel AISI201

OPERATING PRINCIPLE

The valve consists of a composite brass body (1,2), a ball (4), which is closed with a handle (11). The force of turning the lever (11) on the ball (4) is transmitted by a rod (3) with an EPDM elastomer seal (6).
The lever (11) is attached to the stem (3) with a nut (12).
The ball (4) is placed between the Teflon seat rings (5).
The hose is connected to the tap using a fitting (8).

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.
6. Attachment of flexible hoses to the valve fitting should be done using standard screw clamps. The use of wire twists for fastening hoses of various types is not allowed.

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

ZUOYOU GLOBAL BUSINESS LIMITED
Address of production: Shamen Industrial Area, Yuhuan, Taizhou, Zhejiang, China 317607
Country of origin: China

Brand **zencQ** belongs to **NEORUBY GmbH**

NEORUBY GmbH ● Am Hamburger Bahnhof 3, 10557 Berlin, Germany

https://zencq.com/