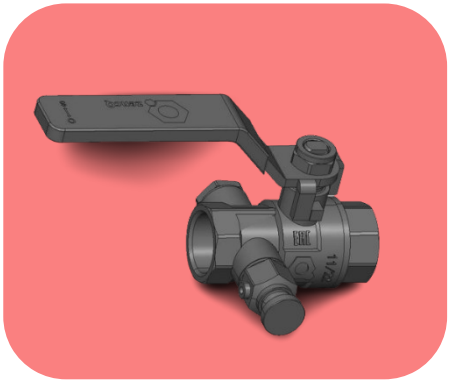
Ball valve with drain and air vent

ZQBV330D15

0027/ 12 / 22 RU

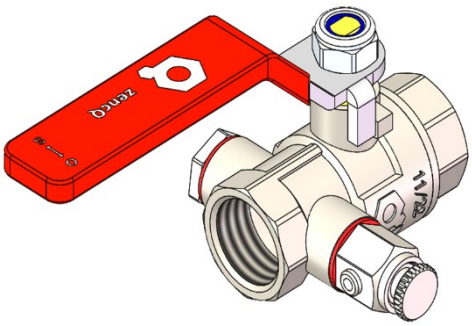


PRODUCT DESCRIPTION

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

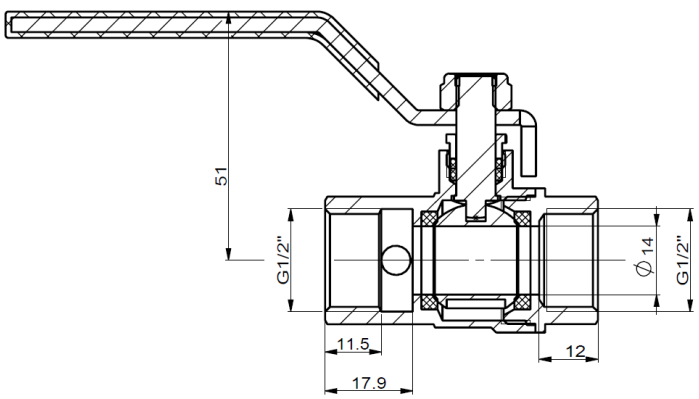
Ball valves must not be used as control valves.

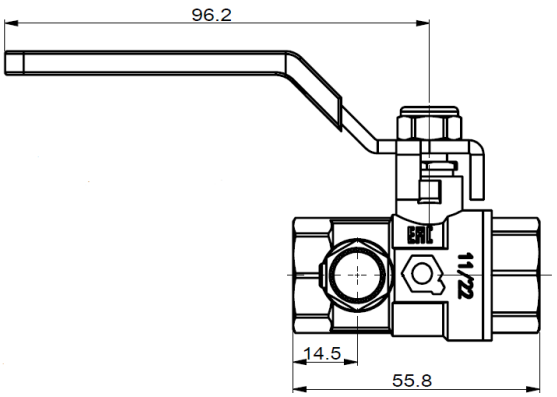
The presence of a built-in manual air vent and drain pipe allows the valve to be used as shut-off and drainage valves on risers, replacing the traditionally used combination of a conventional ball valve (valve) and a tee with a plug

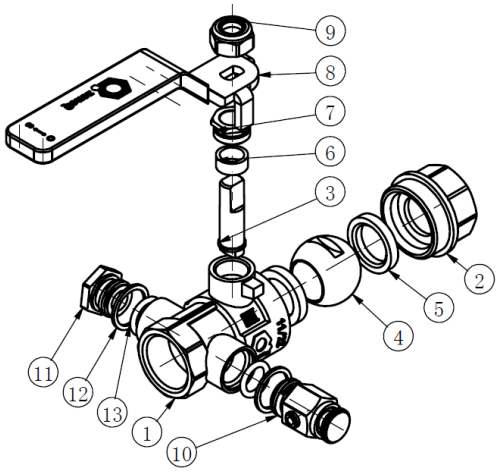


TECHNICAL PARAMETERS	
Closure tightness class	A
Reparability	Yes
Nominal diameter	1/2"
Nominal operating pressure, PN	40 bar
Maximum operating temperature	100 °C
Minimum operating temperature	- 10 °C
Connection type	Threaded
Threaded connection standard	ISO288/1
Type of flow section	Full bore
Thread size drain outlet/air vent	¼"

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	Steam seal	PTFE
7	Fixed nut	Brass CW617N
8	Lever	Steel
9	Handle fixing nut	Stainless steel AISI304
10	Air vent	-
11	Plug	Brass CW617N
12	Washer	-
13	O-ring	EPDM

OPERATING PRINCIPLE

The ball valve consists of a composite brass body (1, 2), a ball (4), which is closed with a lever (8). The turning force of the butterfly on the ball is transmitted by a stem (3) with a PTFE seal (6).

The lever is attached to the stem with a nut (9).

The ball (4) is placed between teflon seat rings (5).

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

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/