Ball valve for manifold

ZQSPA01D25
ZQSPA02D25

zencQ

0012/ 01 / 23 EN



PRODUCT DESCRIPTION

Ball valves for manifolds are shut-off valves and are not designed to regulate the flow. 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.

Ball valves ZQSPA are often installed in front of the manifold block of a underfloor heating (or other system). Serve for fast connection/disconnection of manifolds.

A ball valve with a red butterfly is installed on the supply line, with a blue one - on the return line.



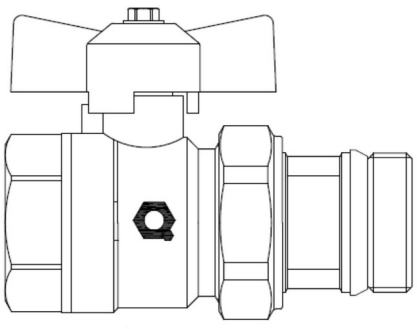
ZQSPA01D25

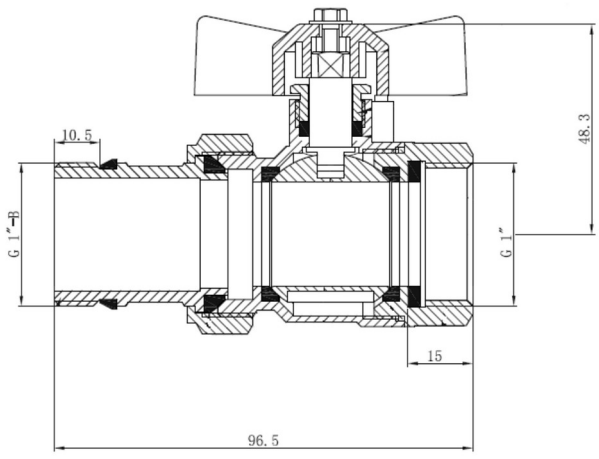


ZQSPA02D25

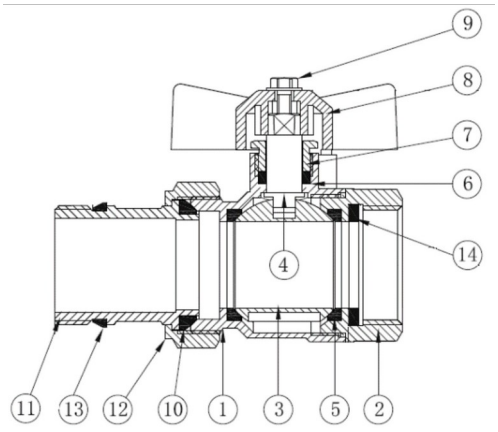
TECHNICAL PARAMETERS	
Closure tightness class	A
Reparability	Yes
Nominal diameter	1"
Nominal operating pressure, PN	16 bar
Maximum operating temperature	120 °C
Connection type	Threaded
Threaded connection standard	ISO288/1

DIMENSIONS





DESIGN AND MATERIALS		
1	Big body	Brass CW617N
2	Small half-body	Brass CW617N
3	Ball	Brass CW617N
4	Stem	Brass CW617N
5	Seat ring (2 pcs)	PTFE
6	Stem seal	PTFE
7	Fixed nut	Brass CW617N
8	Handle	Aluminum
9	Handle fixing screw	Construction steel Q235A
10	Seal	EPDM
11	Fitting	Brass CW617N
12	Union nut	Brass CW617N
13	Seal	EPDM
14	Seal	EPDM



OPERATING PRINCIPLE

The valve body (1,2) is made of hot-pressed chrome-plated brass. The semi-body (2) provides a tight connection between teflon seat rings (5) and the chrome-plated brass ball (3). The brass stem (4) is inserted from inside the body and sealed with a PTFE ring (6). A handle (8,) is attached to the stem with a structural steel screw (9). The valve is controlled by turning the handle 90 degrees.

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. When mounting products, do not exceed the torque limit indicated in the specification table.

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 the valve with a loose handle screw.
3. It is strictly forbidden to allow the working medium to freeze inside the valve. 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