0008/ 01 / 23 EN



PRODUCT DESCRIPTION

H-blocks are used to block the coolant in water heating systems. H-blocks can be used on pipelines of drinking and domestic drinking systems, hot water supply, as well as on process pipelines transporting liquids that are not aggressive to valve materials.
Are applied with panel steel radiators with the bottom supply of the heat carrier.



ZQHRV421D20



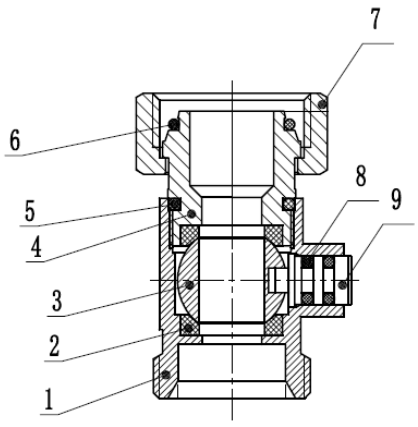
ZQHRV422D20



ZQHRV001

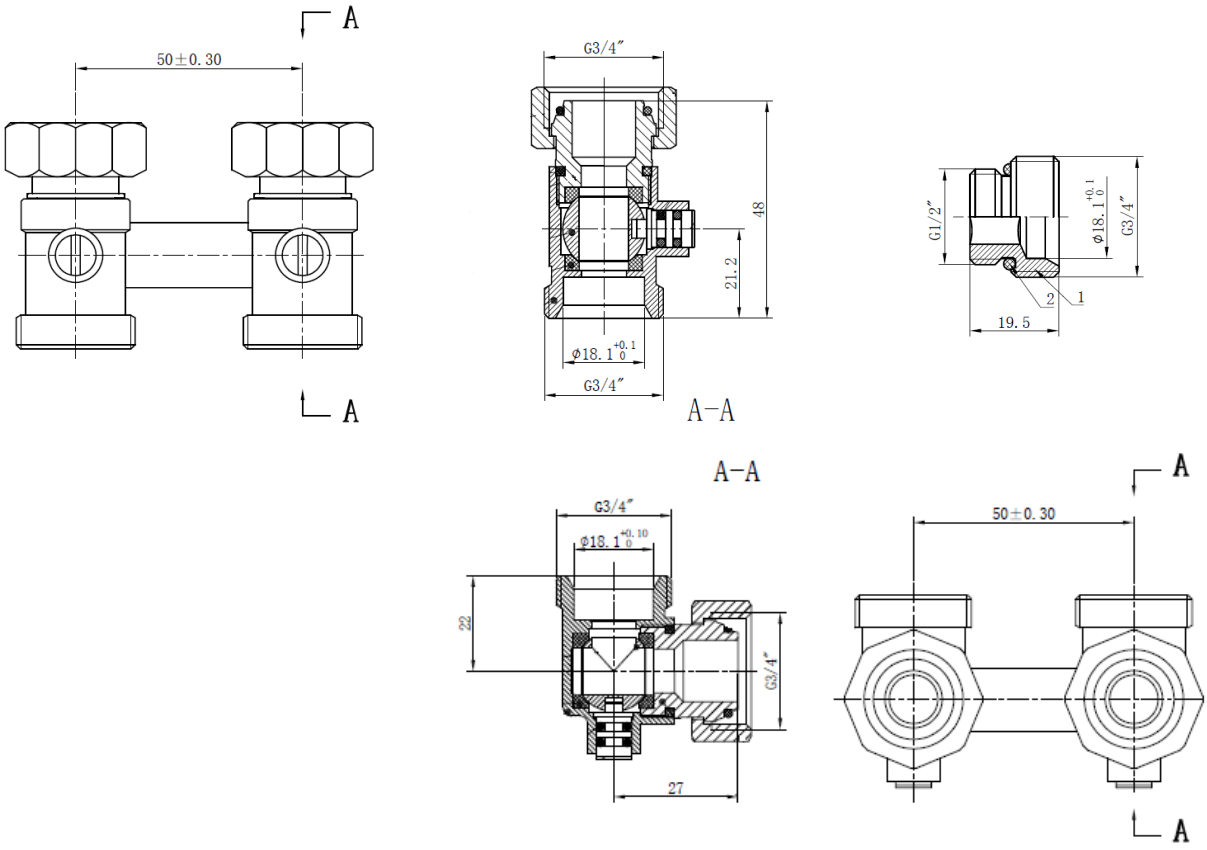
TECHNICAL PARAMETERS	
Closure tightness class	A
Reparability	no
Nominal diameter	1/2"
Rated working pressure, PN	7 bar
Test pressure	15 bar
Maximum operating temperature	110 °C
Connection type	Threaded
Threaded connection standard	ISO288/1
Permissible torque when fitting union nuts	25 Nm

MATERIALS



DESIGN AND MATERIALS		
1	Body	Brass CW617N
2	Seat ring (2 pcs)	PTFE
3	Ball	Brass HPb57-3 + chrome
4	Union	Brass CW617N
5	Seal	EPDM
6	O-ring	EPDM
7	Union nut	Brass CW617N
8	O-ring (2 pcs)	EPDM
9	Stem	Brass CW617N

DIMENSIONS



OPERATING PRINCIPLE

The body of the assembly is made of brass CW617N by hot stamping. A branch pipe is attached to the body through sealing gaskets. A cap nut is attached to it. To seal the connection with the radiator, an o-ring is installed on the pipe.

INSTALLATION REQUIREMENTS

1. The unit can be installed in any mounting position.
2. H-block should not experience loads from the pipeline (bending, compression, tension, torsion, distortions, 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.
5. Lever wrenches are not allowed for mounting.

OPERATION AND MAINTENANCE REQUIREMENTS

1. The units must be operated at the pressure and temperature specified in the specification table.
2. It is strictly forbidden to allow freezing of the working environment inside the unit. 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.
3. 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