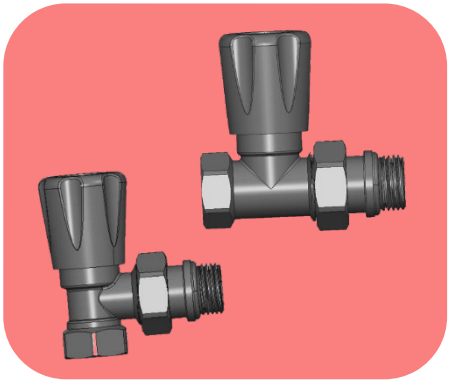
Radiator valve with additional seal and stop ring

ZQMRV212D15
ZQMRV211D15

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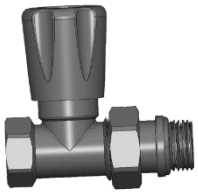


PRODUCT DESCRIPTION

The valves are used for smooth manual control of water flow in heating systems. These valves 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. The presence of a demountable connection allows you to mount and dismantle the valve without dismantling the pipeline. The main purpose of the valve is to regulate the flow of water through heating devices. Manual radiator valves are designed for custom flow control.



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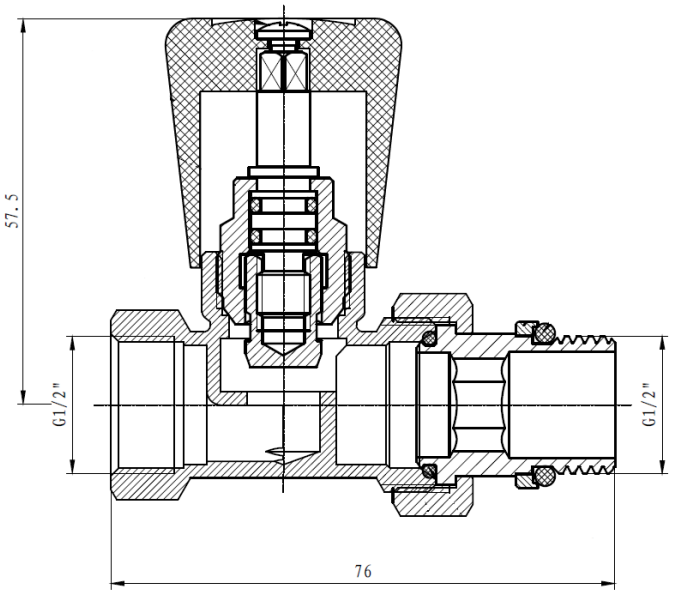


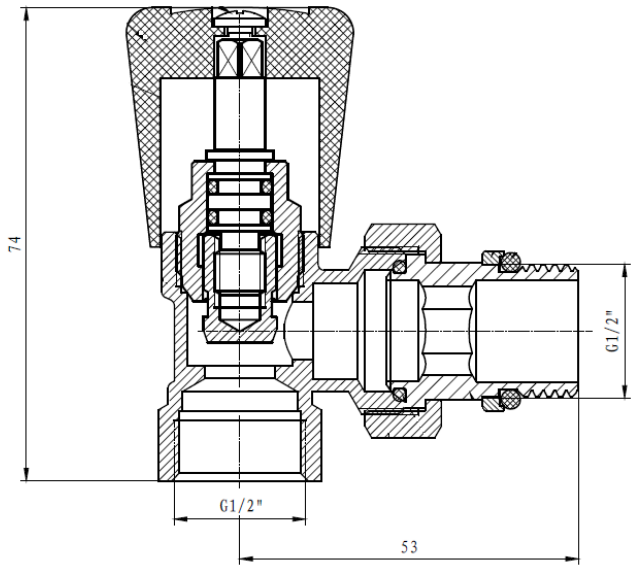
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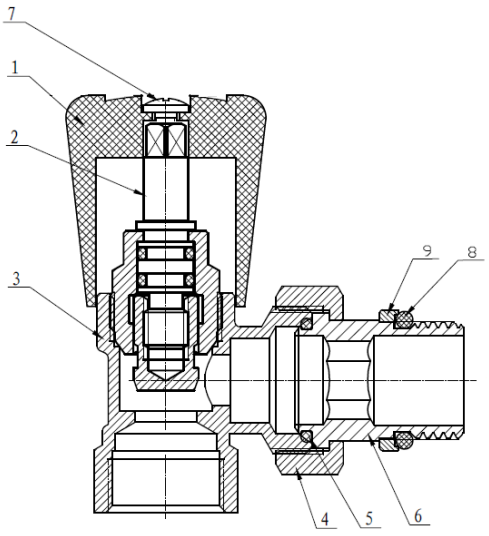
TECHNICAL SPECIFICATIONS

Nominal diameter	1/2"
Nominal operating pressure, PN	10 bar
Test pressure	16 bar
Maximum operating temperature	110 °C
Connection type	Threaded
Threaded connection standard	ISO288/1
Allowable bending moment on valve body	85 Nm
Capacity Kv at differential pressure ΔP = 10 kPa (ZQMRV212D15)	450 l/h
Capacity Kv at differential pressure ΔP = 10 kPa (ZQMRV211D15)	659 l/h

DIMENSIONS







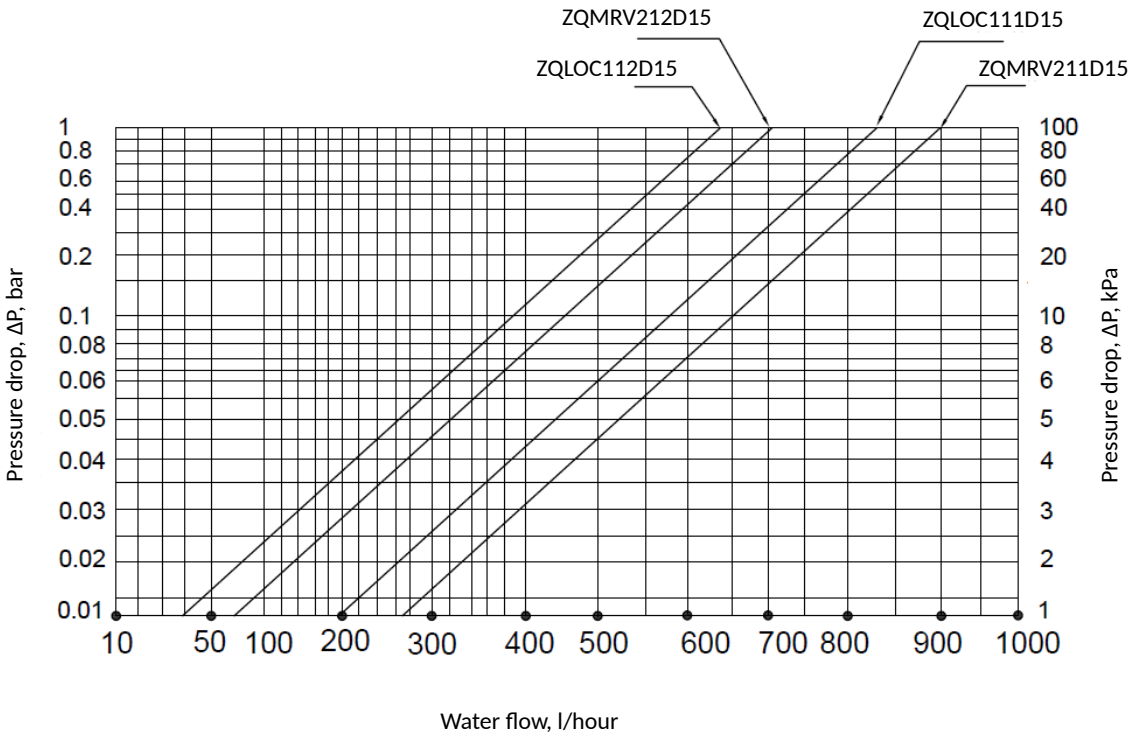
DESIGN AND MATERIALS

1	Handle	ABS plastic
2	Stem	Brass CW617N
3	Body	Brass CW617N
4	Union nut	Brass CW617N
5	Sealing ring	EPDM
6	Fitting	Brass CW617N
7	Handle fixing bolt	Construction steel Q235A
8	Sealing ring	EPDM
9	Stop ring	Brass CW617N

OPERATING PRINCIPLE

Valve body 3 is made of brass CW617N by hot stamping. To the body through a sealing gasket made of EPDM 5, fitting is attached 6. The demountable connection attached to the body using a union nut 4. A stop ring 9 with a seal 8 made of EPDM is located on the fitting 6. The stem is fixed with a retaining ring. For control valves, an ABS plastic handle 1 is used. The flow is adjusted by turning the handle.

HYDRAULIC CHARACTERISTICS



INSTALLATION REQUIREMENTS

1. The valve can be installed in any mounting position.
2. The valve must not experience loads from the pipeline (bending, compression, tension, torsion, misalignment, vibration, nozzle misalignment, 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 + 1mm for each subsequent meter.
4. When installing the valve, the first to connect to the pipeline or device is the branch pipe of demountable connection.
5. Do not use lever wrenches to mount the valve.
6. When mounting products, do not exceed the torque limit indicated in the specification table.

TORQUE LIMIT		
1	Thread	30 Nm
2	Union nut	25 Nm
3	Body	85 Nm

OPERATION AND MAINTENANCE REQUIREMENTS

1. Valves must be operated at the pressure and temperature specified in the specification table.
2. Do not 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.
4. Do not operate the valve with the stem retaining ring removed.
5. Disassembly of the valve is allowed only when the coolant is drained.

MANUFACTURER

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Country of origin: China