Brass distribution manifold with valve regulation

ZQBM0025W02-04
ZQBM0125W02-04

zencQ

0034 / 10 / 26 EN



PRODUCT DESCRIPTION

The manifold is designed to distribute the flow of the working medium of water heating systems among consumers, and to shut off and manually regulate the flow in each outlet. A “consumer” means an individual heating appliance or a group of appliances, a circuit, or separate parts or branches of the system.

The manifold body has a male-thread connection on one side and a female-thread connection on the other. A valve with a handwheel is installed on each outlet.

Pipelines are connected to the outlets with “eurocone” fittings: G1/2" (male) for the ZQBM0025 series and G3/4" (male) for the ZQBM0125 series.

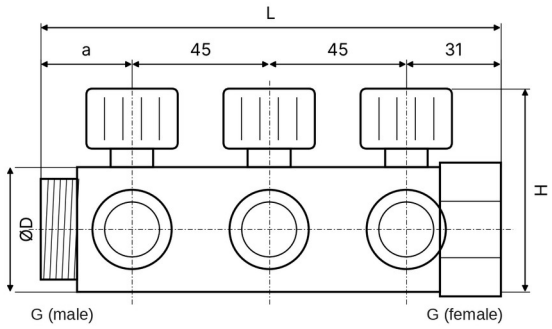
Manifolds are available with 2, 3 and 4 outlets.

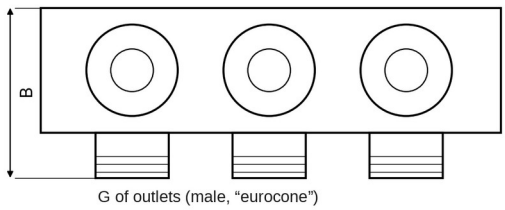
The manifolds are not intended for drinking water supply systems.

TECHNICAL PARAMETERS	
Maximum working medium temperature	90 °C
Operating pressure, PN	10 bar
Body connection (male / female)	G3/4" (ZQBM0025); G1" (ZQBM0125)
Outlet connection (male, “eurocone”)	G1/2" (ZQBM0025); G3/4" (ZQBM0125)
Thread standard	ISO 228-1 (parallel)
Centre distance between outlets	45 mm
Number of outlets	2; 3; 4
Body material	Brass HPb57-3
Body coating	Matt chrome plating

RANGE			
3/4"×1/2", 2 outlets	ZQBM0025W02	1"×3/4", 2 outlets	ZQBM0125W02
3/4"×1/2", 3 outlets	ZQBM0025W03	1"×3/4", 3 outlets	ZQBM0125W03
3/4"×1/2", 4 outlets	ZQBM0025W04	1"×3/4", 4 outlets	ZQBM0125W04

DIMENSIONS (mm) AND WEIGHT (g)





L — overall length of the manifold;
a — distance from the male-thread end to the axis of the first outlet;
45 — centre distance between outlets;
31 — distance from the axis of the last outlet to the female-thread end;
H — height from the bottom of the body to the top of the handwheel;
B — distance from the end of the outlet to the back of the body;
ØD — outer diameter of the body.

The drawing shows a manifold with 3 outlets.
Weight includes the handwheel kits.

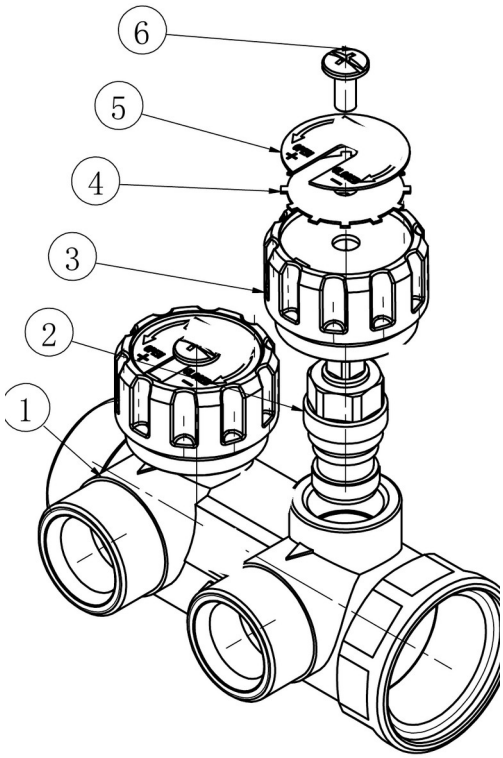
DIMENSIONS (mm) AND WEIGHT (g)							
Article	Outlets	L	a	H	B	ØD	Weight, g
ZQBM0025W02	2	104	28	61.6	48	35	442
ZQBM0025W03	3	149	28	61.4	48	35	639
ZQBM0025W04	4	194	28	61.4	48	35	845
ZQBM0125W02	2	106	30	67.1	55.8	41	537
ZQBM0125W03	3	151	30	66.7	55.8	41	789
ZQBM0125W04	4	196	30	66.7	55.8	41	1048

PACKAGING	
Article	Inner / outer box, pcs
ZQBM0025W02	4 / 20
ZQBM0025W03	2 / 20
ZQBM0025W04	2 / 20
ZQBM0125W02	3 / 30
ZQBM0125W03	2 / 20
ZQBM0125W04	2 / 20

SCOPE OF DELIVERY

1. Manifold — 1 pc.
2. Handwheel kit (handwheel, grey plate, indicator plate, screw) — one per outlet, in a sealed bag.

The batch number is laser-marked on the manifold body.



DESIGN DESCRIPTION

The working medium enters the manifold body (1) and is distributed among the outlets. The flow through each outlet is shut off or regulated by a valve (2) fitted into the body with anaerobic sealant.

The valve is operated by a handwheel (3). A grey plate (4) and a double-sided indicator plate (5) with blue and red sides are placed in the recess of the handwheel. The plates and the handwheel are fixed with a screw (6).

DESIGN AND MATERIALS		
1	Body	Brass HPb57-3, matt chrome plating
2	Valve assembly	-
3	Handwheel	ABS plastic
4	Grey plate	Aluminium
5	Indicator plate (blue / red)	Aluminium alloy
6	Screw	Brass HPb57-3, nickel plating



HANDWHEEL INSTALLATION AND VALVE OPERATION

The handwheels are supplied unassembled: a kit consisting of a handwheel (3), a grey plate (4), an indicator plate (5) and a screw (6) is supplied in a sealed bag for each outlet.

1. After installing the manifold, fit the handwheel (3) on the valve stem.

2. Place the grey plate (4) in the recess of the handwheel, then the indicator plate (5) with the required side up (blue or red).

3. Fix the plates and the handwheel with the screw (6).

4. To close the valve, turn the handwheel clockwise until it stops; to open it, turn it counter-clockwise. The directions are marked on the indicator plate (CLOSED / OPEN).

INSTALLATION REQUIREMENTS

1. In accordance with GOST 12.2.063-2015, cl. 9.6, fittings must not be subjected to loads from the pipeline (bending, compression, tension, torsion, misalignment, vibration, uneven tightening of fasteners, etc.). Where necessary, supports or compensators must be provided to eliminate the load on the fittings from the pipeline.
2. The misalignment of the connected pipelines must not exceed 3 mm for a length of up to 1 m, plus 1 mm for each subsequent metre (SP 73.13330.2012, cl. 5.1.8).
3. Do not use lever wrenches for installation. Do not apply installation force to the valves and handwheels.
4. Seal the threaded connections of the body with sealing materials (PTFE tape, flax, etc.). The amount of sealing material must match the thread size; excess material must not get inside the manifold.
5. Connect pipelines to the outlets with “eurocone” fittings in accordance with the fitting passport.
6. Fit the handwheels after the manifold has been installed (see the section “Handwheel installation and valve operation”).
7. After installation, the system must be hydraulically tested with a static pressure 1.5 times the design working pressure in the system, but not less than 6 bar. Tests are carried out in the manner set out in SP 73.13330.2016.

OPERATION AND MAINTENANCE REQUIREMENTS

1. Manifolds must be operated at the pressure and temperature specified in the technical parameters table.
2. Freezing of the working medium inside the manifold is not allowed.
3. The valves are fitted into the body with anaerobic sealant; unscrewing them from the body is not allowed.
4. Remove the manifold only with the pressure released and the working medium drained.
5. To connect pipelines to the outlets of ZQBM0125 series manifolds (G3/4"), use zencQ “eurocone” fittings listed in the table. For ZQBM0025 series manifolds (G1/2"), use “eurocone” fittings with a G1/2" nut thread.

EUROCONE FITTINGS FOR THE ZQBM0125 SERIES			
№	Article	Nut thread	Pipe size, mm
1	ZQEK001	3/4"	16×2.0
2	ZQEK002	3/4"	16×2.2
3	ZQEK003	3/4"	20×2.0

CONFORMITY INFORMATION

Declaration of conformity EAEU N RU Д-CN.PA06.B.21245/26 dated 20.07.2026, valid until 19.07.2029 inclusive.
Conforms to the requirements of TR CU 010/2011 “On the safety of machinery and equipment”.

MANUFACTURER

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Country of origin: China

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