

Bivalent valve

LK 830



A bivalent valve is used as a mixing valve in a heating system, where energy is taken from two different heat sources, or in an accumulator system where energy is taken from two different levels.

Max working temp: 120 °C
 Max pressure: 1.0 MPa
 Max. pressure difference 0.1 MPa
 Leakage < 0.5% of Kvs

Design

4-way mixing valve where the components in contact with water are made from EN 12165 CW617N brass.

Shaft seal with double O-rings and O-ring sealed cover. All O-rings are made from EPDM rubber.

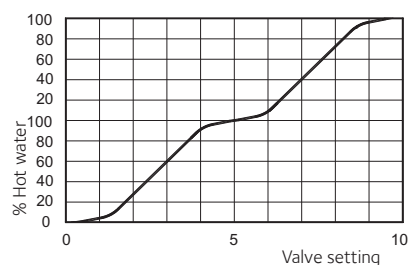
Pipe unions with ferrules, or external thread.

The valve can be motorised.

Turning angle 90°, Turning torque < 1 Nm.

Valve installation in any position.

Mixing proportions:

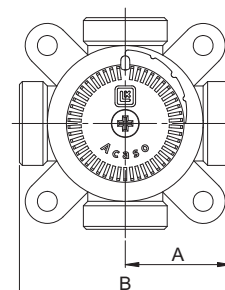
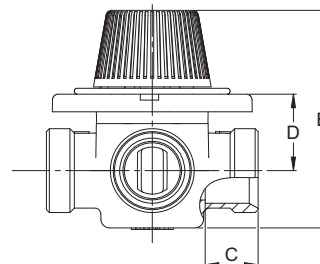


Fitting / Installation

Union ports 1-4 are marked.

External threads are sealed in the usual way.

It is easier to fit the compression fitting if a lubricant is applied to the thread and bevel. Tighten first by hand and then with a box spanner. Soft pipes are to be fitted with a support sleeve.



Operation and maintenance

The valve requires no maintenance.

The installation should be checked regularly.

Other dimensions can be requested.

Article	Dimension	Art. no	Pack qty	Kvs (m ³ /h)	A mm	B mm	C mm	D mm	E mm
830	22 mm	180 001	1	4.0	36	72	18	26	74
830	22 mm	180 003	1	6.3	36	72	18	26	74
830	G $\frac{3}{4}$ male	180 002	1	4.0	36	72	-	26	74
830	G $\frac{3}{4}$ male	180 004	1	6.3	36	72	-	26	74