

SOLAR KIT

SERIES VMC300, VMC500

Two views of a brass ball valve with a black handle. The left view shows the valve from the side, and the right view shows it from the front, highlighting the handle and the valve body.

VMC300
External thread

With adapters,
external thread

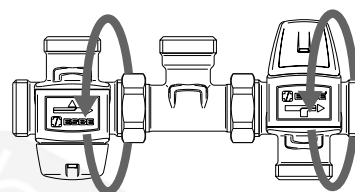


VMC500
External thread



With adapters,
external thread

- Potable water
- Solar heating



All parts can be rotated 360° for maximum flexibility of connection.

TECHNICAL DATA

Pressure class: _____ PN 10

Max. flow from collector- VMC300: _____ 0,7 l/s [42 l/min]
VMC500: _____ 1,0 l/s [60 l/min]

Temperature of water from collector: _____ max 95°C
_____ min 0°C

Temperature from additional heat source: _____ max. 95°C

Change-over point, accuracy: _____ ±1°C

Diverting range shut off: _____ 45°C ±2°C
_____ 50°C, 60°C ±3°C

Temperature range, mixing valve - VMC300: _____ 35 - 60°C
VMC500: _____ 45 - 65°C

Temperature stability of outgoing water - VMC300: _____ ±2°C*
VMC500: _____ ±4°C**

Connection: _____ External thread (G), ISO 228/1
_____ External thread (R), EN 10226-1

* Valid at unchanged hot/ cold water pressure, minimum flow rate 4 l/min.
Minimum temperature difference between hot water inlet and mixed water outlet: 10°C.

** Valid at unchanged hot/ cold water pressure, minimum flow rate 9 l/min.
Minimum temperature difference between hot water inlet and mixed water outlet: 10°C.

Material
Valve housing and other metal parts with fluid contact:
Dezincification resistant brass, DZR

PED 2014/68/EU, article 4.3

Pressure Equipment in conformity with PED 2014/68/EU, article 4.3 (sound engineering practice). According to the directive the equipment shall not carry any CE-mark.

<43°C
 <47°C
 <57°C

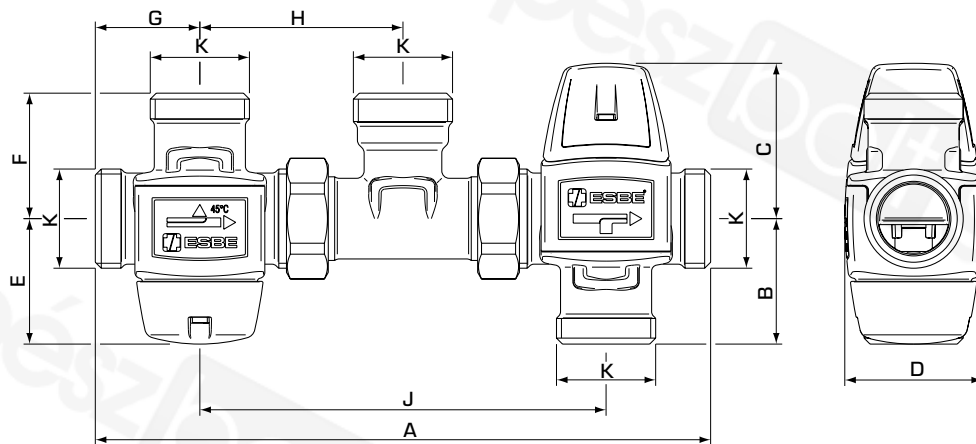
35-60°C VMC320
 45-65°C VMC520

43°C-47°C
 47°C-53°C
 57°C-63°C

35-60°C VMC320
 45-65°C VMC520

>47°C
 >53°C
 >63°C

35-60°C VMC320
 45-65°C VMC520

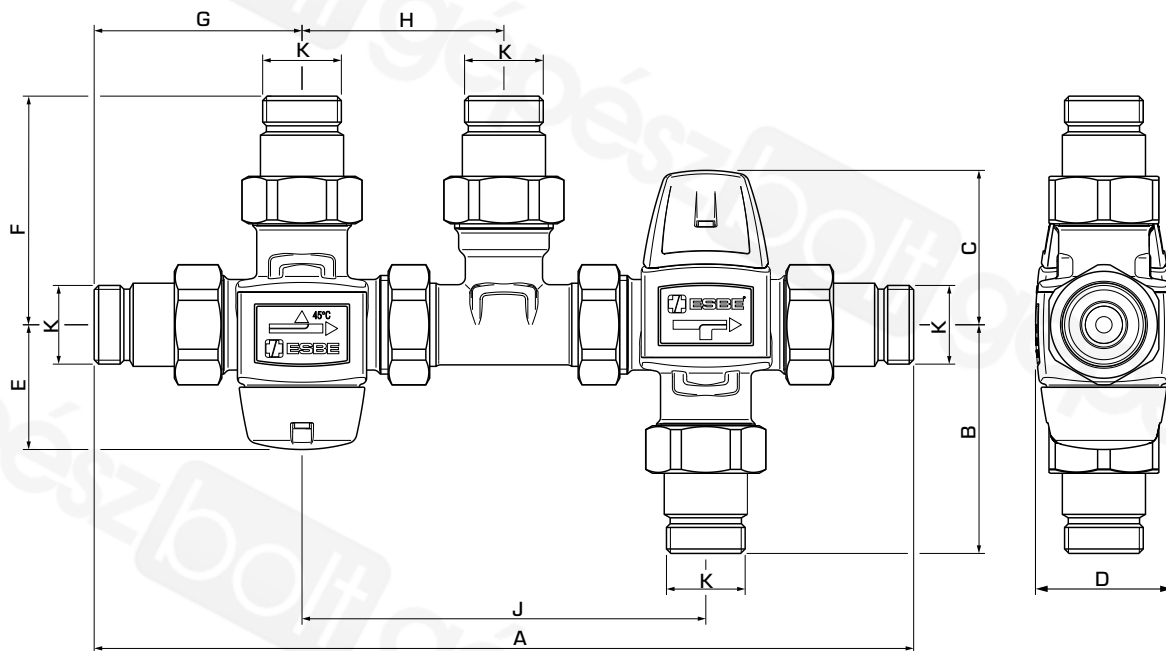
SOLAR KIT**SERIES VMC300, VMC500****SERIES VMC322, EXTERNAL THREAD**

Art. No.	Reference	Change-over point	Kvs *	Connection K	Dimension									Note	Weight [kg]
31521000	VMC322	45°C	1,5	G 1"	206	42	52	46	42	42	35	68	136		1,22
31521100		50°C													
31521200		60°C													

SERIES VMC522, EXTERNAL THREAD

Art. No.	Reference	Change-over point	Kvs *	Connection K	Dimension									Note	Weight [kg]
31523000	VMC522	45°C	2,5	G 1"	220	62	60	56	42	42	35	68	143		1,50

* Kvs-value in m³/h at a pressure drop of 1 bar.

SOLAR KIT**SERIES VMC300, VMC500****SERIES VMC322, WITH ADAPTERS**

Art. No.	Reference	Change-over point	Kvs *	Connection K	Dimension									Note	Weight [kg]
31521300	VMC322	45°C	1,4	R 3/4"	A	B	C	D	E	F	G	H	J	1)	1,86
31521400		50°C			276	77	52	46	42	77	70	68	136		

SERIES VMC522, WITH ADAPTERS

Art. No.	Reference	Change-over point	Kvs *	Connection K	Dimension									Note	Weight [kg]
31523300	VMC522	45°C	2,3	R 3/4"	A	B	C	D	E	F	G	H	J	1)	2,14
31523400		50°C			290	97	60	56	42	77	70	68	143		
31523500		60°C													

* Kvs-value in m³/h at a pressure drop of 1 bar. Note 1) Two check valves for both hot and cold water are included

INSTALLATION EXAMPLES