

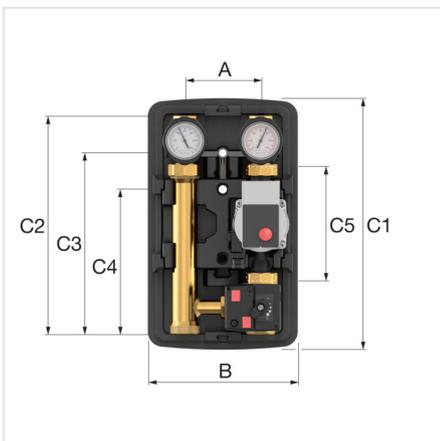
Pump group with electronically controlled servomotor.  
 For a mixed heating circuit with constant flow line temperature. The temperature setpoint value is adjusted directly at the servomotor. The contact thermostat included in delivery is a safety temperature monitor (safety temperature monitor). Complete with or without recirculating pump including angled connector; two ball valves (on return line side with manually adjustable backflow limiter); two contact thermometers integrated in the ball valve handle (indicated range 0 - 120 °C); 3-way T-mixer with adjustable bypass; servomotor (230V~,50 Hz,6 Nm) with integrated temperature controller (adjustment range 0 °C - 95 °C) and flow line temperature sensor; sensor mounting to be in the flow line; design EPP insulation; including wall bracket; it is possible to swap flow and return line sides.



Description	Top S MC-CV DN 25	
Order Code	M45990EA	
GTIN	4016715091727	
Model	<u>Constant heat regulation set Meiflow Top S MC-CV</u>	
Model	Without pump	
Connection (uppermost)	DN	25
	"	G 1" F

Note: The flow line is, as standard, on the right-hand side.

\* Optional PWM signal cable available.



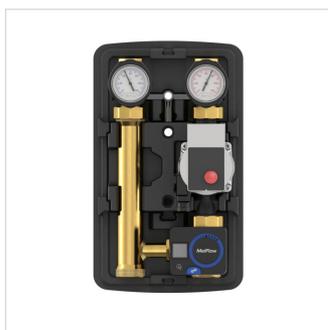
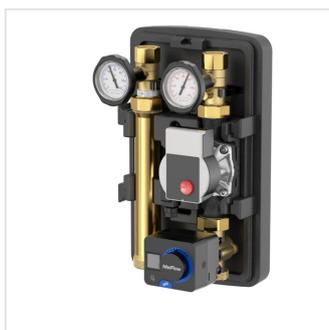
**Meiflow Top S MC-CV - Dimensions**

Type	Dimensions						
	A [mm]	B [mm]	C1 [mm]	C2 [mm]	C3 [mm]	C4 [mm]	C5 [mm]
Top S MC-CV DN 25	125	249	421	363.5	301.5	241	180

**Technical Data Meiflow Top S MC-CV**

Specifications	DN 25
Dimensions HxWxD [mm]	421 x 249 x 220
Heating circuit connections	G 1" F
Manifold/boiler connection	G 1 1/2" M
Axial distance [mm]	125
Max. operating temperature [°C]	110*
Permissible positive operating pressure [PN]	6
Temperature display [°C]	0 - 120
Installed length of pump [mm]	180
Kvs value [m <sup>3</sup> /h]	5.8
Sensor mounting	M10x1

\* Depends on the pump used.



**Classification General Data**

<b>Etim Group</b>	Distribution systems and components
<b>Etim Class</b>	Hydronic control station
<b>Product Name</b>	None
<b>Brand</b>	Flamco
<b>Product Type</b>	MeiFlow Top S
<b>Order Code</b>	M45990EA
<b>GTIN</b>	4016715091727

**Attributes**

<b>Material casing</b>	Other
<b>Material fittings</b>	Brass
<b>Material of unit pipework</b>	Stainless steel
<b>Primary connection</b>	External thread cylindrical BSPP-G (ISO 228-1)
<b>Nominal diameter primary connection</b>	DN 25
<b>Secondary connection</b>	Internal thread cylindrical BSPP-G (ISO 228-1)
<b>Nominal diameter secondary connection</b>	DN 25
<b>Pump connection</b>	Internal thread cylindrical BSPP-G (ISO 228-1)
<b>Nominal diameter pump connection</b>	1 1/2 inch (40)
<b>Kvs value</b>	5.8
<b>Max. operating pressure</b>	6 bar
<b>Medium temperature</b>	110 - 110 °C
<b>Temperature setting range</b>	10 - 90 °C
<b>Display range thermometer</b>	0 - 120 °C
<b>Suitable for cooling</b>	No
<b>Suitable for heating</b>	Yes
<b>Suitable for glycol</b>	No
<b>Model</b>	Fixed-value control
<b>Flow orientation</b>	Adjustable
<b>With fitting piece for heat meter</b>	No
<b>With heat meter</b>	No
<b>With built-in circulation pump</b>	No
<b>High efficiency pump (compliant with EC 547/2012 and EC 641/2009)</b>	No
<b>Built-in length pump</b>	180 mm
<b>With pressure gauge</b>	No
<b>With control valve</b>	No
<b>With shut-off valve</b>	Yes
<b>Opening pressure non return valve</b>	0.02 bar
<b>With safety valve</b>	No
<b>With thermometer</b>	Yes
<b>With drain valve</b>	No
<b>With servomotor</b>	Yes
<b>Suitable for servomotor</b>	Yes
<b>With three-way valve</b>	Yes
<b>With pump ball valve</b>	No
<b>With connection expansion reservoir</b>	No
<b>Wall set-up</b>	Yes
<b>With wall-mounting bracket</b>	Yes
<b>With legs</b>	No
<b>Width</b>	249 mm
<b>Height</b>	421 mm
<b>Depth</b>	220 mm
<b>Type of temperature control</b>	Electrical
<b>With non-return valve</b>	Yes

With connection temperature sensor	Yes
With automatic de-aeration	No
With differential pressure regulator	No
With thermal insulation	Yes
Extensible with a heating circuit controller	Yes
Extensible with a manifold	Yes
Extensible with a heat exchanger	Yes
Kvs value	5.8 m <sup>3</sup> /h

**Find more information online:**[Installation and operating instruction](#)[MeiFlow Top S DWG](#)[MeiFlow Top S RFA](#)[Brochure](#)[Packaging data](#)[MeiFlow Top S](#)

Fort Blauwkapel 1  
1358 DB, Almere - nl

T +31 (0)36 52 62 300  
E [info@aalberts-hfc.com](mailto:info@aalberts-hfc.com)  
I [flamco.aalberts-hfc.com](http://flamco.aalberts-hfc.com)