



designed for scientists



CBC VISC lite

/// Data Sheet

The CBC VISC lite heating and cooling bath circulator covers a wide temperature range from -25 °C to 125 °C and is designed to be combined with the IKA ROTAVISC viscometers.

YOUR BENEFITS

- Save time: A second beaker (600 ml) can be pre-tempered during the measurement.
- Perfect results: Optimized water flow management in the insulated bath for fast and precise temperature control.



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- Improved ecological footprint: Equipped with eco-friendly natural refrigerant R290.
- Flexible application: Thanks to the external pump connection, CBC VISC lite can also be used for heating standard vessels according to DIN for absolute viscosity definition with ELVAS spindles or double-walled beakers.
- Easy to maintain: the easy removable and cleanable air filter guarantees best performance.



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Technical Data

Appliance type	Refrigerated and heating circulator
Class designation acc. DIN 12876	III
Identification according to DIN 12876	FL
Cooling agent	R290
Cooling agent quantity [g]	55
Cooling agent pressure max. [bar]	21
Heat output [W]	2000
Cooling capacity (@20°C) [W]	450
Cooling capacity (@10°C) [W]	420
Cooling capacity (@0°C) [W]	380
Cooling capacity (@-10°C) [W]	250
Cooling capacity (@-20°C) [W]	120
Working temperature [°C]	-25 - 125
Operating temperature min. [°C]	-25
Operating temperature max. (with external heating) [°C]	125
Temperature display	yes
Temperature stability DIN 12876 (@+70°C) [K]	±0.05
Temperature stability DIN 12876 (@-10°C) [K]	±0.05
Temperature control	PID
Working temperature sensor	PT1000
Safety temperature sensor	PT1000
Working temperature display	LED
Safety temperature display	LED
Display resolution [K]	0.1
Set temperature resolution [K]	±0.1
Adjustable safety circuit [°C]	0 - 135
Sub-level protection	yes
Over-level protection	yes
Filling volume [l]	5.5 - 8.5
Pump type	Pressure- / suction pump
Pump pressure max. (0 liters discharge flow) [bar]	0.35
Pressure pump (suction side) (0 liter flow) [bar]	0.15
Flow rate max. (0 bar back pressure) [l/min]	18
Pump connection	M16x1
Bath depth min. [mm]	150
Width bath opening [mm]	150
Depth bath opening [mm]	218
Bath total height [mm]	234
Technical data complies with the standard	DIN 12876
Permissible ON time [%]	100
Noise level [dB(A)]	53
Dimensions (W x H x D) [mm]	414 x 392 x 505
Weight [kg]	29
Permissible ambient temperature [°C]	5 - 32
Permissible relative humidity [%]	80
Protection class according to DIN EN 60529	IP 21
RS 232 interface	yes
USB interface	yes



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Voltage [V]	230
Frequency [Hz]	50/60
Power input [W]	2320



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The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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