



Immersion circulators KISS E and CC-E

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The Huber circulators are split into two product lines, the Compatible Control models and the simpler KISS models. Both model lines represent classically constructed laboratory circulators with open baths. Baths and circulators for heating applications up to +300°C are available, as well as models for heating and cooling applications from -90°C to +200°C. Immersion or bridge circulators are suitable for thermal control of existing baths. The Ministat, the smallest cooling and heating circulator in the world, is the first choice for operation in fume-hoods or integrating into systems.

Circulators with Pilot ONE Controller

Models with Pilot ONE Controller convincing in practice with their highly precise temperature control and a professional range of functions even in the basic version. The electronic upgrade function "E-grade" allows a simple and low cost expansion of functions at any time. Operation is simple using large colour displays, an easily understandable menu and an individually customisable display. Models with the Pilot ONE have powerful pressure and suction pumps with continuously variable speed control for adjusting circulation to the bath in use. Further connections are available via the optional Com.G@te, e.g. RS232 and RS485, analogue interface 4 to 20mA or 0 to 10V, standby signal and programmable alarm.



Circulators using the KISS Controller

The functions of models with the low price KISS controller concentrate on the essentials. KISS models are suitable for numerous typical laboratory applications, such as temperature control of samples, analysis, materials testing, as well as the external temperature control of test equipment or experimental constructions. The machine achieves a temperature stability of $\pm 0.05^{\circ}\text{C}$ and are fitted with an over temperature and low fluid level protection. The safety systems are according to class



III/FL (DIN 12876) for use with flammable fluids.

Advantages and Functions (model dependent):

- Working Temperatures from -90°C to +300°C
- Models for internal and external temperature control
- High heating and cooling powers up to 7kW
- Powerful controllable circulation pumps
- Function expansion with the E-grade system is available at any time
- High precision cascade temperature control
- Large and full colour 5,7" TFT touchscreen
- Programmer with calendar / clock function
- Extended range of languages including a selection of European and Asian
- Comprehensive warning and safety functions
- Large, bright OLED display
- Simple operation via a plain text menu
- RS232 and USB Interfaces
- Safety class 3 (FL) to DIN 12876
- Internal and external temperature control

Immersion circulators are the basis of many combinations of polycarbonate and stainless steel baths. Together with a cooling bath it is possible to get exact and reproducible temperatures down to -30 °C. All models are equipped with a powerful suction pressure pump and comply with safety class III (FL) for use with flammable liquids. Pump adapters for external tempering and cooling coils for cooling water connection are available as accessories.

Temp. control range °C: (-30) 25 to 200°C

Safety class: FL, III

Heating capacity kW: 2kW

suction max. (CC-E):

suction max. (CC-E xd):

suction max. (KISS E): 22 l/min / 0,4 bar

17 l/min / 0,25 bar

10,5 l/min/0,17 bar

Immersion depth

(CC-E, KISS E):

(CC-E xd):

150mm

195mm



Code	Description	Packaging
LLG06272332	Immersion circulators KISS E and CC-E, Type KISS E, Pump max. 14 / 0.25 l/min / bar, dim. (W x D x H) 132 x 163 x 312 mm, Temp. Stability 0.05* K	1 pz.
LLG09859201	Immersion circulators KISS E and CC-E, Type CC-E, Pump max. 27 / 0.7 l/min / bar, dim. (W x D x H) 132 x 159 x 315 mm, Temp. Stability 0.01* K	1 pz.



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