KISS 110A

Clear View Circulator Bath with KISS-Controller, consisting of transparent baths made of polycarbonate. Powerful pressure and suction pump made of industrial plastic material. With temperature range up to max. 100°C. With adjustable overtemperature protection according to DIN 12876.

KISS controller:
The controller combines state-of-the-art technology with simple operation. Models with KISS controller are suitable for routine tasks in research and industry and are convincing as practice oriented basic equipment:

* Large, bright OLED display
* Simple operation with menu navigation
* Simultaneous display of set point, internal temperature, Tmin and Tmax
* Status displays for pump, cooling and heating
* USB (Device) and RS232 interfaces
* Overtemperature protection, Safety class 3 (FL)
* Autostart function for power failure
* 3 colour versions available: grey (standard), blue, red

Option: Pt100 sensor connection #10688 to display (not control) e.g. of the process temperature (only available factory fitted, additional charge).

4-year warranty - registration required.

Technical data according to DIN 12876

Operating temperature range	25...100 °C
with water cooling	20...100 °C
with refrigerator	15...100 °C
Temperature stability at 70°C	0,05 K
temperature set point / display	digital
Absolute accuracy	setup for calibration
Internal temperature sensor	Pt100
Interface digital	USB (Device), RS232 Interface
Alarm message	optic, acoustic
Safety classification	III / FL
Heating power at 115V	1,5 kW
Heating power at 100V	1 kW
max. delivery	14 l/min
max. delivery pressure	0,25 bar
max. delivery (suction)	10,5 l/min
max. delivery pressure (suction)	0,17 bar
Pump connenction (optional)	M16x1 male
Bath volume	7,5 l
min. filling capacity	4,4 l
Height of bath opening	160 mm
Width bath opening WxD/ bath depth	130x310/ 150 mm
Overall dimensions WxDxH **	147x507x330 mm
Net weight	6 kg
Power supply requirement	100-115V 1~ 50/60Hz
max. current	15 A
Fuse	15 A
Pressure equipment category	N/A
Degree of Protection	IP20
min. ambient temperature	5 °C
max. ambient temperature	40 °C



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from Serial-No.: 404651 **1.0/20**

Technical details and dimensions are subject to change. No liability is accepted for errors or omissions. Illustrations can deviate from the original.

Included Accessories:
bath bridge #19592

Optional accessories:
bath cover #37572, cooling coil #30554, pump adaptor #19606, hose connector NW8/NW12, nozzle #33288, temperature control / -

connection hoses, thermofluids, further accessories, etc.: see catalog.

Output data valid for: Room temperature 20°C

In accordance with EN60034-1 the following voltage and frequency tolerances are valid:
Voltage + / - 10%, as long as the frequency tolerance does not run in the opposite direction.
Example: -10% voltage and +3% frequency -> not allowed !
-10% voltage and -3% frequency -> allowed.

Information to Electromagnetic compatibility:
Classification (disturbance) to EN55011: Class A, Group 1
Special Case: Acetone and Polyglycol: The plastic pump is not resistant against acetone and polyglycols (depending on the manufacturer). It is recommended that water is mixed with either glysantine or ethylene glycol for freeze protection. A more resistant plastic is available on request at an additional cost.

Standard delivery conditions - Power cable configuration:
1. Single / two-phase devices (100V to 240V) --> with power cable and country-specific plug (please specify when ordering)
2. Three-phase devices with current consumption less than 63A --> with cable, without plug
3. Three-phase devices with current consumption greater than 63A --> without cable, without plug

** Please respect space requirements. See operating conditions at www.huber-online.com