KISS 112A

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 240V	2,1 kW
Heating power at 230V	2 kW
Heating power at 220V	1,8 kW
Heating power at 208V	1,6 kW
Heating power at 200V	1,5 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	12 l
min. filling capacity	7,3 l
Height of bath opening	165 mm
Width bath opening WxD/ bath depth	275x161/ 150 mm
Overall dimensions WxDxH **	333x360x335 mm
Net weight	8 kg
Power supply requirement	200-240V 1~/2~ 50/60Hz
max. current	10 A
min. Fuse	10A
max. Fuse	16A
Degree of Protection	IP20
min. ambient temperature	5 °C
max. ambient temperature	40 °C

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from Serial-No.: 401722 **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 #19593, cover for bath bridge #40836

Optional accessories:
drain valve #6026, bath cover , holder for immersion cooler #14562, 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.

External branch circuit protection according to UL 489 required.
For the specification, please refer to the electrical schematics.

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