

Heating Circulator 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.

NEW: KISS controller:

KISS combines state-of-the-art technology with simple operation and stylish design. 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                  |
| Pressure / Suction pump          |                       |
| 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 connection                  | M16x1 male            |
| Bath volume                      | 3 l                   |
| Filling capacity                 | 2 l                   |
| Bath opening diameter            | 25 mm                 |
| Bath depth                       | 150 mm                |
| Height of bath opening           | 160 mm                |
| Overall dimensions WxDxH **      | 147x234x329 mm        |
| Net weight                       | 5 kg                  |
| Power supply requirement         | 100-115V 1~ 50/60Hz   |
| max. current                     | 15 A                  |
| Fuse                             | 15 A                  |
| Degree of Protection             | IP20                  |
| min. ambient temperature         | 5 °C                  |
| max. ambient temperature         | 40 °C                 |



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

Included Accessories:

hose connector NW12 #6087, blank plug #6088, sleeve nuts thread #6089, cover for bath bridge

Optional accessories:

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cooling coil #30554, drain valve #6026, hose connector NW8 #6086, 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](http://www.huber-online.com)