

Heating Circulator with a powerful pressure pump made of industrial plastic material. Moistened parts in stainless steel or high-resistant plastics. Cooling coil for (tap) water (3/8"). 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	45...200 °C
with water cooling	20...200 °C
with refrigerator	-30...200 °C
Temperature stability at 70°C	0,05 K
temperature set point / display	digital
Internal temperature sensor	Pt100
Interface digital	USB (Device), RS232
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	3,5 l
Filling capacity	2 l
Bath opening diameter	25 mm
Bath depth	150 mm
Height of bath opening	190 mm
Overall dimensions WxDxH **	178x260x355 mm
Net weight	8 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



**Order-No.: 2003.0006.98**

**from Serial-No.:**

**S413020**

**1.0/21**

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, cooling coil, pump adaptor

Optional accessories:

drain valve #6839, hose connector NW8, nozzle, temperature control / - connection hoses, heat transfer fluid, further accessories,

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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)