

Refrigerated Heating Bath with air-cooled cooling machine. Housing and bath parts are made of stainless steel. Pump made of high-resistant plastic. Equipped with a comfortable programmer of the usual change between 0° C and 60° C in the usual 24 hour cycle. CFC free units comply with the safety class FL. With adjustable overtemperature protection according to DIN 12876.

CC-Pilot: State of the art controller with new innovative E-grade technology for extended functionality without swapping the controller. An activation code is entered via the control panel and the proven Plug & Play technology for professional service. The bright TFT display shows all the process relevant data. User friendly interface: The functions self-explanatory and are listed in alphabetical order in each of the selected languages. The languages available are German, English, Spanish, Italian, French and Russian. Easy-Control: Is virtually identical to the unistats. The zoom function allows the values to be read from a distance. Display resolution in the basic version is 0,1K. Set point limits, optical and acoustical alarm, mains failure automatic function. Sensor calibration, control via RS232 interface and Com.G@te Namur (option) e.g. for connection to a process control system, remote control via data cable.

E-grade "Exclusive": Graphic function, display resolution 0,01K, programmer with 3 programs each with 5 steps, temperature control mode (internal, process), TAC (True Adaptive Control), self-optimising internal and cascade control, ramp function.

The functionality can be extended at anytime by activation code with E-grade (option):

E-grade "Professional": Administrator function, programmer with 100 segments which can be spread over 10 programs, external control via PT100 sensor (option), NLR (non linear ramping) for non-linear temperature profiles, 2nd set point, which can be activated under pre-specified alarm conditions, multi-point temperature sensor calibration.

4-year warranty - registration required.

The dimensions specified below are approximate and may be subject to change.

## Technical data according to DIN 12876

Operating temperature range	-40...80 °C	
Temperature stability	0,03 K	
Temperature adjustment	5,7" colour Touchscreen	<b>Order-No.: 2041.0004.01</b>
Internal temperature sensor	Pt100	
Sensor external connection	Pt100	
Interface digital	Ethernet, USB (Host u. Device), RS232	
Safety classification	III / FL	
Heating power	2 kW	
Cooling power		
at 20°C	1,2 kW	
at 0°C	0,9 kW	
at -20°C	0,35 kW	
at -30°C	0,2 kW	
Refrigeration machine	air-cooled, natural refrigerant	
Refrigerant (ASHRAE, GHS)	R-1270 (A3, H220)	
Global Warming Potential (GWP)	0	
UN-number	UN 3358	
Pressure / Suction pump	yes	
Bath volume	40 l	
Width bath opening WxD/ bath depth	350x410/ 270 mm	
Overall dimensions WxDxH **	460x710x930 mm	
Power supply requirement	230V 1~ 50/60Hz	
Pressure equipment category	Pressure equipment category	
Degree of Protection	IP20	
min. ambient temperature	5 °C	
max. ambient temperature	40 °C	

from Serial-No.:

1.0/24

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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:

mini-USB cable #54949, bath cover,

Optional accessories:

temperature control / - connection hoses, thermofluids, further accessories, etc.: see catalog.

Output data valid for: Room temperature 20°C. If the ambient temperature rises, the cooling capacity may drop.

in accordance with EN60034-1 the following voltage and frequency tolerances are valid:

Voltage + / - 5% with a simultaneous frequency tolerance of + / - 2%

Example -5% voltage and + 2% frequency -> not allowed!

-5% voltage and - 2% frequency -> allowed

Information to Electromagnetic compatibility:

Classification (disturbance) to EN55011: Class A, Group 1

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

This equipment is compliant to US-SNAP and all applicable EU laws. The US-SNAP end-use for this equipment is the industrial process refrigeration. Certification by a Notified Body upon request.

\*\* Please respect space requirements. See operating conditions at [www.huber-online.com](http://www.huber-online.com)