BFT5

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-explanitory 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.

3-2-2 warranty - registration required.

Technical data according to DIN 12876

Operating temperature range	-40...80 °C
Temperature stability	0,03 K
Temperature adjustment	5,7" colour Touchscreen
Internal temperature sensor	Pt100
Sensor external connection	Pt100
Interface digital	Ethernet, USB (Host u. Device), RS232
Safety classification	Class 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, CFC- and HCFC-free
Refrigerant (ASHRAE, GHS)	R452A (A1, H280)
Refrigerant quantity	0,9 kg
Pressure / Suction pump	yes
Bath volume	40 l
Width bath opening WxD/ bath depth	350x410/ 270 mm
Overall dimensions WxDxH **	460x710x911 mm
Net weight	76 kg
sound pressure level +/- 4 dB(A)	31 dB(A)
Power supply requirement	230V 1~ 50/60Hz
max. current	13 A
Fuse	16 A
Degree of Protection	IP20
min. ambient temperature	5 °C
max. ambient temperature	40 °C

Order-No.: 2041.0001.01

from Serial-No.: 156228 **1.4/19**

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

Accessories and periphery: mini-USB cable #54949*,, bath cover*, connection tubes

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Technical data according to DIN 12876

* standard equipment

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-phase devices (230V/115V) -> with cable and plug
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