CC-K20

Refrigerated Heating Bath with air-cooled refrigerating unit. Consisting of isolated cooling bath made of stainless steel with immersion thermostat. Pump and wetted parts made from stainless steel or high-resistant plastics. With adjustable overtemperature protection according to DIN 12876.

Pilot ONE:
The Pilot ONE controller with pioneering technology and advanced control functions brings numerous advantages to routine work. The extensive features list includes a brilliant 5,7“ TFT touchscreen display, USB and network connections, an integrated technical glossary and language support in 13 languages (EN, DE, FR, IT, ES, RU, ZH, PT, JA, CS, PL, KO, TR). The Pilot ONE has a convenient navigation system with easily remembered icons and menu categories which are colour sorted to make routine work simpler. Thanks to a favourites menu and One-Click operator guidance all important information is always just a few keystrokes away. Software wizards also help you to set up, ensuring correct settings. The USB port allows connection of the system to a PC or notebook. Together with the Spy software, requirements such as remote control or data transmission are easily achieved in a cost-effective manner. Network integration is easy with the internet port.

The range of functions can be expanded very easily via E-grade at any time by entering a unit specific upgrade code:

E-grade "Exclusive": TAC (True Adaptive Control) - self optimising internal and cascade control, selectable temperature control mode (Internal/Process), programmer with 3 programs (max. 15 steps), ramp function (linear), 5 point calibration, scalable graphic display, favourites menu, display resolution 0,01 K.

E-grade "Professional": Programmer with 10 programs (max. 100 steps), ramp function for temperature gradients (linear and non-linear), 2nd set point, user menus (Administrator level), calendar start.

4-year warranty - registration required.

Technical data according to DIN 12876

Operating temperature range	-30...200 °C
Temperature stability at 70°C	0,02 K
temperature set point / display	5,7" colour Touchscreen
Absolute accuracy	setup for calibration
Internal temperature sensor	Pt100
Sensor external connection	Pt100
Interface digital	Ethernet, USB (Host u. Device), RS232
Safety classification	III / FL
Heating power at 240V	2,1 kW
Heating power at 230V	2 kW
Heating power at 220V	1,8 kW
Cooling power	
at 20°C	0,4 kW
at 0°C	0,35 kW
at -10°C	0,27 kW
at -20°C	0,16 kW
at -30°C	0,065 kW
Refrigeration machine	air-cooled, natural refrigerant
Refrigerant (ASHRAE, GHS)	R-290 (A3, H220)
Global Warming Potential (GWP)	0,02
Refrigerant quantity	0,072 kg
CO2 equivalent	0,0 t
Pressure / Suction pump	
max. delivery	27 l/min
max. delivery pressure	0,7 bar
max. delivery (suction)	22 l/min
max. delivery pressure (suction)	0,4 bar
Pump connenction (optional)	M16x1 male
Bath volume	17 l
Width bath opening WxD	290x329 mm
Bath depth	150 mm
Height of bath opening	450 mm
Overall dimensions WxDxH **	350x555x615 mm
Net weight	41 kg

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Technical data according to DIN 12876

sound pressure level +/- 4 dB(A)	50 dB(A)
Power supply requirement	220-240V 1~/2~ 50/60Hz
max. current refrigerated bath	2 A
max. current immersion thermostat	10 A
min. Fuse	10A
max. Fuse	16A
Pressure equipment category	Art. 4.3 PED
Degree of Protection	IP20
min. ambient temperature	5 °C
max. ambient temperature	40 °C

from Serial-No.:	**S395643**	**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.

Accessories and periphery: mini-USB cable #54949*, Drain valve with cap #6839, pump adaptor #19607, Note: When using Huber pump adapter: Polyglycol is not permissible to be used as a heat transfer fluid,adjustable base #40681, bath cover front #19598, bath cover back #6024, bath cover one piece #19599, trolley #6334, stainless steel test tube racks Typ 1-4, data cable #9472*, nozzle #33288, DS level regulator #9580
* 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 / 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