Huber Ministat 230 Circulating Chiller

Refrigerated Heating Circulator Bath with air-cooled cooling machine. Powerful, variable speed, pressure and suction pump, stainless steel casing, CFC and H-CFC free, and with adjustable overtemperature protection.

Rating: Not Rated Yet
Price
Sales price $1,750.00

Ask a question about this product

ManufacturerHuber

Description

!!!! - RECENTLY SOLD - !!!!

Operating temperature range -33...200 °C
Temperature stability at -10°C 0,02 K
Temperature adjustment digital
Temperature indication digital
Internal temperature sensor Pt100
Sensor external connection Pt100
Analog Interface In/Out 4-20mA alternative 1-5V
Safety classification FL
Heating power 2 kW
Cooling power
at 100°C 0,4 kW
at 20°C 0,4 kW
at 0°C 0,35 kW
at -10°C 0,33 kW
at -20°C 0,25 kW
at -30°C 0,1 kW
Refrigeration machine air-cooled, CFC-free
Refrigerant R507
Refrigerant quantity 0,22 kg

Pressure pump
max. delivery (pressure) 27 l/min
Delivery pressure (head) 0.7 bar
Suction pump yes
max. delivery (suction) 20 l/min
Delivery suction pressure (head) 0.4 bar
Pump connection M16x1
Pump connection for hose NW8/12
max. permissible kin. viscosity 50 mm²/s
Bath volume 3,2 l
Bath capacity with displacement rack 1,7 l
Width bath opening WxD / bath depth 170 x 87 / 135 mm
Overall dimensions WxDxH 255x450x476 mm
Net weight 35 kg
Power supply requirement 230V 1~ 50/60Hz
max. Stromaufnahme 12,5 A
Fuse (1 phase) 16 A
Protection class IP20
Peter Huber Kältemaschinenbau GmbH Werner-von-Siemens-Str. 1 D-77656 Offenburg Tel 0781/9603-0 Fax 0781/57211 www.huber-online.com
Refrigerated Heating Circulator Bath with air-cooled cooling machine. Powerful, variable speed, pressure and suction pump, housing of stainless steel, CFC and H-CFC free. 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 and 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 ComBox (Namur)e.g. for connection to a process control system, remote control via data cable.
The functionality can be extended at anytime by activation code with E-grade (option):
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
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.
The E-grade "Professional" requires the E-grade "Exclusive". 3 year warranty - registration required.
Technical Data
max. ambient temperature 40 °C
min. ambient temperature 5 °C
from Serial-No.: 79507 1.0/08