Minichiller 1000-H OLÉ

Chiller with air-cooled refrigerating unit and circulation pump. Evaporator (cooler), tank and housing of stainless steel. Pressure-suction pump made of industrial plastic material. Digital Temperature adjustment and digital temperature display. Level indicator with sight glass. With adjustable overtemperature protection according to DIN 12876.

OLÉ controller:
The controller combines state-of-the-art technology with simple operation. Models with OLÉ 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
* USB (Device) and RS232 interfaces
* Autostart function for power failure

Option: Pt100 sensor connection #10519 to display (not control) e.g. of the process temperature (only available factory fitted, additional charge)

4-year warranty - registration required.

switch for whisper mode:	
Reduced sound pressure level:	51 dB(A): +/- 4 dB(A)
Pump data for whisper mode:	
Delivery rate:	14 l/min
Delivery pressure:	0.2 bar
Delivery rate (suction):	11 l/min
Delivery pressure (suction):	0.18 bar

Technical data according to DIN 12876

Operating temperature range	-20...100 °C
temperature set point / display	digital
Internal temperature sensor	Pt100
Resolution of display	0,1 K
Interface digital	USB (Device), RS232 Interface
Temperature stability at -10°C	0,2 K
Alarm message	optic, acoustic
Safety classification	III / FL
Heating power at 240V	2,1 kW
Heating power at 230V	2 kW
Heating power at 220V	1,8 kW
Heating power at 208V	1,6 kW
Cooling power at 15°C	1 kW
Refrigeration machine	air-cooled, natural refrigerant
Refrigerant (ASHRAE, GHS)	R-1270 (A3, H220)
Global Warming Potential (GWP)	0
Refrigerant quantity	0,099 kg
CO2 equivalent	0,0 t
UN-number	UN 3358
Circulation pump	Pressure- and suction pump
max. delivery	24 l/min
max. delivery pressure	0,7 bar
max. delivery (suction)	18 l/min
max. delivery pressure (suction)	0,4 bar
Pump connection	M16x1 male
min. filling capacity	2,8 l
expansion tank	2,2 l
Overall dimensions WxDxH **	280x511x454 mm
Power supply requirement	208-240V 1~/2~ 50/60Hz
Degree of Protection	IP20
min. ambient temperature	5 °C



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Technical data according to DIN 12876

max. ambient temperature	40 °C

from Serial-No.: **1.0/26**

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, sleeve nuts thread M16x1#6089, blank plug #6088, cover expansion vessel #25178,

Optional accessories:

Drain valve #6839, temperature control / -connection hoses, heat transfer fluid, 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
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

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