Minichiller w

Chiller with water-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.

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.

MPC-Controller:
Modern and easy to use microprocessor controller with a large temperature display.
Limited to essential functions only:
* Large temperature display
* LED indicators for pump, cooling and heating
* Simple operation using only 3 keys

Technical data according to DIN 12876

Operating temperature range	-20...40 °C
Temperature adjustment	digital
Temperature indication	digital
Internal temperature sensor	Pt100
Resolution of display	0,1 K
Temperature stability at -10°C	0,5 K
Safety classification	Class I / NFL
Cooling power	
at 15°C	0,3 kW
at 0°C	0,2 kW
at -10°C	0,14 kW
at -20°C	0,07 kW
Refrigeration machine	water-cooled, natural refrigerant
Refrigerant	R290
Circulation pump	Yes
max. delivery	20 l/min
max. delivery pressure	0.2 bar
max. delivery (suction)	17 l/min
max. delivery pressure (suction)	0,18 bar
Pump connection	M16x1 male
Consumption at water 15°C, flow 15°C	15 l/h
Cooling water connection	G1/2 male
min. cooling water differential pressure	3 bar
max. cooling water pressure	6 bar
min. filling capacity	1,4 l
Volume of expansion	2,6 l
Overall dimensions WxDxH **	225x360x380 mm
Net weight	23 kg
Power supply requirement	115V 1~ 60Hz
min. Fuse (1 phase)	10A
max. Fuse (1 phase)	16A
min. ambient temperature	5 °C
max. ambient temperature	40 °C

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from Serial-No.: **1.0/10**

Technical details and dimensions are subject to change. No liability is accepted for errors or omissions.

Technical data according to DIN 12876

Accessories and periphery: Adapter nom. dia. 8*/12 mm*, dummy plugs*, sleeve nuts thread M16x1*, hose connection for cooling water G1/2 male, connection tubes, braided hoses for cooling water, drain valve
* standard equipment

Output data valid for: Room temperature 20°C, cooling water inlet 15°C and 3 bar differential pressure between cooling water inlet and -outlet. This temperature control unit has been designed to operate with cooling water up to 20°C. As the cooling water temperature increases, drop in the cooling power should be expected, and also an increased cooling water flow rate possible. Materiels used in the cooling water circuit include; copper, Stainless steel 1.4401, MS, PA, PPE, PTFE and EPDM. Please use suitable cooling water.

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

** Please respect space requirements. See operating conditions at www.huber-online.com