

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. With adjustable overtemperature protection according to DIN 12876.

NEW: OLÉ controller:

OLÉ 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.

## 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	1 kW
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 (ASHRAE, GHS)	R-290 (A3, H220)
Global Warming Potential (GWP)	0,02
Refrigerant quantity	0,035 kg
Gas warning sensor	without
Circulation pump	Pressure- and suction pump
max. delivery	14 l/min
max. delivery pressure	0,25 bar
max. delivery (suction)	10,5 l/min
max. delivery pressure (suction)	0,17 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
expansion tank	2,6 l
Overall dimensions WxDxH **	225x360x380 mm
Net weight	25 kg
sound pressure level +/- 4 dB(A)	51 dB(A)
Power supply requirement	220-240V 1~/2~ 50/60Hz
max. current	6,5 A
min. Fuse	10A
max. Fuse	16A
Pressure equipment category	Art. 4.3 PED



Order-No.: 3006.0092.98

## Technical data according to DIN 12876

Degree of Protection	IP20	
min. ambient temperature	5 °C	
max. ambient temperature	40 °C	
<b>from Serial-No.:</b>	<b>438237</b>	<b>1.1/21</b>

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, hose coupling for cooling water G1/2 male

### Optional accessories:

Drain valve #6839, temperature control / -connection hoses, thermofluids, further accessories, etc.: see catalog.

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. Materials 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

### 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](http://www.huber-online.com)