

Chiller with water-cooled refrigerating unit and circulation pump. Evaporator (cooler), tank and housing of stainless steel. Pump made of industrial plastic material. Temperature adjustment and temperature display digital. 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, T_{min} and T_{max}
- * 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)

3-2-2 warranty - registration required.

Technical data according to DIN 12876

Operating temperature range	-20...100 °C	
temperature set point / display	digital	
Internal temperature sensor	Pt100	Order-No.: 3050.0026.98
Resolution of display	0,1 K	
Temperature stability at -10°C	0,2 K	
Alarm message	optic, acoustic	
Safety classification	Class 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 15°C	1 kW	
at 0°C	0,8 kW	
at -10°C	0,5 kW	
at -20°C	0,15 kW	
Refrigeration machine	water-cooled, natural refrigerant	
Refrigerant (ASHRAE, GHS)	R290 (A3, H220)	
Refrigerant quantity	0,065 kg	
Gas warning sensor	without	
Circulation pump	Immersion pump	
at 0,5 bar	21 l/min	
max. delivery	29 l/min	
max. delivery pressure	1,0 bar	
Pump connection	G3/4 male	
Cooling water connection	G1/2 male	
min. cooling water differential pressure	3 bar	
max. cooling water pressure	6 bar	
min. filling capacity	3,8 l	
expansion tank	1,7 l	
Overall dimensions WxDxH **	350x496x622 mm	
Power supply requirement	220-240V 1~/2~ 50/60Hz	
max. current	13,5 A	
Fuse	16 A	
Degree of Protection	IP20	
min. ambient temperature	5 °C	
max. ambient temperature	40 °C	

from Serial-No.:

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.

Technical data according to DIN 12876

Included Accessories:

cover expansion vessel #25178, hose coupling for G3/4 male, hose coupling cooling water for 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-phase devices (230V/115V) -> with cable and plug
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