

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. Temperature control unit without integrated heating.

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)

3-2-2 warranty - registration required.

Special equipment:

- stainless steel case with feet (front) and rollers (rear)
- switch for whisper mode

pump data at whisper mode:

| | |
|------------------------------|----------|
| delivery: | 14 l/min |
| delivery pressure: | 0,2 bar |
| delivery (suction): | 11 l/min |
| delivery pressure (suction): | 0,18 bar |
| sound pressure level: | 51 dB(A) |

Technical data according to DIN 12876

| | |
|----------------------------------|-----------------------------------|
| Operating temperature range | -25...40 °C |
| temperature set point / display | digital |
| Internal temperature sensor | Pt100 |
| Temperature stability at -10°C | 0,5 K |
| Alarm message | optic, acoustic |
| Safety classification | Class I / NFL |
| Cooling power | |
| at 15°C | 0,9 kW |
| at 0°C | 0,7 kW |
| at -10°C | 0,4 kW |
| at -20°C | 0,2 kW |
| Refrigeration machine | water-cooled, natural refrigerant |
| Refrigerant | R290 |
| Refrigerant quantity | 0,06 kg |
| Gas warning sensor | without |
| Circulation pump | Pressure- and suction pump |
| max. delivery | 24 l/min |
| max. delivery pressure | 0.9 bar |
| max. delivery (suction) | 18 l/min |
| max. delivery pressure (suction) | 0,4 bar |
| Pump connection | M16x1 male |
| Cooling water connection | G1/2 male |
| max. cooling water pressure | 6 bar |
| min. filling capacity | 2,8 l |
| expansion tank | 2,2 l |
| Overall dimensions WxDxH ** | 280x490x424 mm |
| Net weight | 36 kg |
| sound pressure level +/- 4 dB(A) | 58 dB(A) |
| Power supply requirement | 230V 1~ 50/60Hz |
| max. current | 3,5 A |
| min. Fuse | 10A |



Order-No.: 3006.0121.98

Technical data according to DIN 12876

| | |
|--------------------------|-------|
| max. Fuse | 16A |
| Degree of Protection | IP20 |
| min. ambient temperature | 5 °C |
| max. ambient temperature | 40 °C |

| | | |
|-------------------------|---------------|---------------|
| from Serial-No.: | 310084 | 1.0/18 |
|-------------------------|---------------|---------------|

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 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

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