

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.

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...40 (80)*** °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   | 0,5 K                           |
| Alarm message                    | optic, acoustic                 |
| Safety classification            | 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            | air-cooled, natural refrigerant |
| Refrigerant (ASHRAE, GHS)        | R290 (A3, H220)                 |
| Refrigerant quantity             | 0,041 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                      |
| min. filling capacity            | 1,4 l                           |
| expansion tank                   | 2,6 l                           |
| Overall dimensions WxDxH **      | 225x360x380 mm                  |
| Net weight                       | 23 kg                           |
| sound pressure level +/- 4 dB(A) | 51 dB(A)                        |
| Power supply requirement         | 110-120V 1~ 60Hz                |
| max. current                     | 4,5 A                           |
| min. Fuse                        | 10A                             |
| max. Fuse                        | 16A                             |
| Pressure equipment category      | 4.3 PED                         |
| Degree of Protection             | IP20                            |
| min. ambient temperature         | 5 °C                            |
| max. ambient temperature         | 40 °C                           |



**Order-No.: 3006.0093.98**

**from Serial-No.:** 401762

**1.2/20**

Technical details and dimensions are subject to change. No liability is accepted for errors or omissions. Illustrations can deviate from the original.

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### Included Accessories:

hose connector NW12 #6087, sleeve nuts thread M16x1#6089, blank plug , cover expansion vessel #25178,

### Optional accessories:

Drain valve #6839, temperature control / -connection hoses, thermofluids, 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](http://www.huber-online.com)

\*\*\* Permissible temperature in return line 80° C