

Immersion Cooler with air-cooled refrigerating unit. Electronic temperature control and digital display. Stainless steel housing with handle (front) and rollers (back), condensing probe of stainless steel and flexible cooling connection line in special single-tube construction, protective hose with smooth surface. The refrigeration unit works continuously. The temperature control actuates a solenoid valve in the cooling circuit. The temperature sensor is connected to the device with cable and plug.

MPC-Controller:

Modern and easy to use microprocessor controller with a large temperature display.

Limited to essential functions only:

- \* Large temperature display
- \* LED indicator for cooling
- \* Simple operation using only 3 keys

## Technical data according to DIN 12876

|                                     |                                |
|-------------------------------------|--------------------------------|
| Operating temperature range         | -100...40 °C                   |
| Temperature stability at -10°C      | 0,5 K                          |
| temperature set point / display     | digital                        |
| Sensor external connection          | Pt100                          |
| Cooling power                       | .                              |
| at 0°C                              | 0,16 kW                        |
| at -20°C                            | 0,15 kW                        |
| at -30°C                            | 0,14 kW                        |
| at -50°C                            | 0,13 kW                        |
| at -60°C                            | 0,12 kW                        |
| at -80°C                            | 0,12 kW                        |
| at -90°C                            | 0,07 kW                        |
| at -100°C                           | 0,01 kW                        |
| Safety classification               | I / NFL                        |
| Refrigeration machine               | air-cooled, CFC- and HCFC-free |
| Refrigerant (ASHRAE, GHS)           | R-452A (A1, H280)              |
| Global Warming Potential (GWP)      | 2141                           |
| Refrigerant quantity                | 0,26 kg                        |
| CO2 equivalent                      | 0,6 t                          |
| Refrigerant 2nd stage (ASHRAE, GHS) | R-1150 (A3, H220)              |
| Global Warming Potential (GWP)      | 4                              |
| Refrigerant quantity 2nd stage      | 0,056 kg                       |
| CO2-Äquivalent 2. Stufe             | 0,0 t                          |
| Nominal diameter probe              | 48 mm                          |
| Length of probe                     | 155 mm                         |
| Length flexible connection          | 1150 mm                        |
| Overall dimensions WxDxH **         | 295x500x570 mm                 |
| Net weight                          | 60 kg                          |
| sound pressure level +/- 4 dB(A)    | 55 dB(A)                       |
| Power supply requirement            | 110-120V 1~ 60Hz               |
| max. current                        | 14 A                           |
| Fuse                                | 16 A                           |
| Pressure equipment category         | Art. 4.3 PED                   |
| min. ambient temperature            | 5 °C                           |
| max. ambient temperature            | 40 °C                          |



**Order-No.: 3005.0113.99**

**from Serial-No.: S528889 1.0/23**

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

Included Accessories:

Pt100 sensor (Part.No. 6138)

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!

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-5% voltage and - 2% frequency -> allowed

Information to Electromagnetic compatibility:

Classification (disturbance) to EN55011: Class A, Group 1

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)