

Heat Exchanger Unit with circulation pump (industrial plastic material). Housing, atmospheric open expansion tank and external plate heat exchanger (copper soldered), made of stainless steel. With digital level indicator. For externally closed applications.

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.

### Pilot ONE:

The new Pilot ONE controller with pioneering technology and advanced control functions brings numerous advantages to routine work. The extensive features list includes a brilliant 5,7" TFT touchscreen display, USB and network connections, an integrated technical glossary and language support in 11 languages (EN, DE, FR, IT, ES, RU, CN, PT, JP, CZ, PL). The Pilot ONE has a convenient navigation system with easily remembered icons and menu categories which are colour sorted to make routine work simpler. Thanks to a favourites menu and One-Click operator guidance all important information is always just a few keystrokes away. Software wizards also help you to set up, ensuring correct settings. The USB port allows connection of the system to a PC or notebook. Together with the Spy software, requirements such as remote control or data transmission are easily achieved in a cost-effective manner. Network integration is easy with the internet port.

The range of functions can be expanded very easily via E-grade at any time by entering a unit specific upgrade code:

E-grade "Exclusive": TAC (True Adaptive Control) - self optimising internal and cascade control, selectable temperature control mode (Internal/Process), programmer with 3 programs (max. 15 steps), ramp function (linear), 5 point calibration, scalable graphic display, favourites menu, display resolution 0,01 K.

E-grade "Professional": Programmer with 10 programs (max. 100 steps), ramp function for temperature gradients (linear and non-linear), 2nd set point, user menus (Administrator level), calendar start.

3-2-1 warranty - registration required.

### Technical data according to DIN 12876

Operating temperature range ( secondary side )	(3)...(95) °C
temperature set point / display	5,7" colour Touchscreen
Internal temperature sensor	Pt100
Sensor external connection	Pt100
Interface digital	Ethernet, USB (Host u. Device), RS232
Alarm message	optic, acoustic, relay
Safety classification	Class I / NFL
at 20°C	5 kW
Circulation pump	
max. delivery	25 l/min
max. delivery pressure	2,5 bar
Pump connection	G3/4 male
max. permissible kin. viscosity	50 mm²/s
Cooling water connection	G1/2 male
min. cooling water differential pressure	2 bar
max. cooling water pressure	6 bar
Overall dimensions WxDxH **	280x491x414 mm
Net weight	21 kg
Power supply requirement	208V 2~ 60Hz
Protection class	IP20
max. ambient temperature	40 °C
min. ambient temperature	5 °C



**Order-No.: 3011.0015.01**

**from Serial-No.:**

**1.0/13**

Technical details and dimensions are subject to change. No liability is accepted for errors or omissions.

## Technical data according to DIN 12876

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Accessoires and periphery: mini-USB cable #54949\*, Com.G@te, connection tubes, hose connection for cooling water G1/2 male\*.

\* standard equipment

Output data valid for: Room temperature 20° C, cooling water inlet 10° C and 2 bar differential pressure between cooling water inlet and - outlet. Cooling water circuit of copper, 1.4401, brass. The correct cooling water must be used.

In accordance with EN60034-1 the following voltage and frequency tolerances are valid:

Voltage + / - 10%, as long as the frequency tolerance does not run in the opposite direction.

Example: -10% voltage and + 3% frequency -> not allowed !

-10% voltage and -3% frequency -> allowed.

\*\* Please respect space requirements. See operating conditions at [www.huber-online.com](http://www.huber-online.com)