

High Temperature Thermostat using the unistat principal with Plug & Play technology. Minimized volume, shortest possible heating times, hydraulically closed: No oil vapour. Housing and heat exchanger made of stainless steel. Length of cable between machine and controller approx. 5m.

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.

further functions:

TAC (True Adaptive Control) - self optimising internal and cascade control, selectable temperature control mode (Internal/Process), programmer with 10 programs (max. 100 steps), ramp function (linear and non-linear), 5 point calibration, scalable graphic display, favourites menu, display resolution 0,01 K, integrated technical glossary, 2nd set point, user menus (Administrator level), calendar start, wallpaper selection.

3-2-1 warranty - registration required.

- Expansion tank lid can be fixed in place. The lid has connections for a nitrogen blanket (maximum pressure 0,2 bar)
- Additional heaters with over-temperature protection for expansion vessel and internal pipework

Technical data according to DIN 12876

| | |
|---------------------------------|---------------------------------------|
| Operating temperature range | 80...425 °C |
| Temperature stability at 70°C | 0,05 K |
| temperature set point / display | 5,7" colour Touchscreen |
| Absolute accuracy | 2-point-calibration |
| Internal temperature sensor | Pt100 |
| External sensor | Pt100 |
| Interface digital | Ethernet, USB (Host u. Device), RS232 |
| digital input | ECS ONE |
| digital output | POKO ONE |
| Alarm message | optic, acoustic, relay |
| Safety classification | Class III / FL |
| Heating power | 6 kW |
| Circulation pump: | |
| max. delivery | 31 l/min |
| max. delivery pressure | 1 bar |
| Pump connection flow | M24x1,5 |
| Pump connection return | M24x1,5 |
| Cooling water connection | G1/2 male |
| min. filling capacity | 3 l |
| Volume of expansion | 2,9 l |
| Abmessungen BxTxH | 288x379x870 mm |
| Net weight | 48 kg |
| Power supply (3 Phase) | 208V 3~ 60Hz |
| max. current (3 Phase) | 25 A |
| Fuse (3 phase) | 3x25 A |
| min. ambient temperature | 5 °C |
| max. ambient temperature | 40 °C |



Order-No.: 1028.0005.01

from Serial-No.:

1.0/12

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

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Accessories and periphery: mini-USB cable #54949*, Cover level indicator*, connection cable* (order no.: 13482), expansion tank upgrades may be retrofitted for any volume required, connection tubes, braided hoses for cooling water, external sensor, retort stand holder, Com.G@te, Holder for Com.G@te #10019; Com.G@te-extension cable #16160

* Standard equipment

Output data valid for: Room temperature 20° C

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