Unistat TR402

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. Speed controlled pump (soft start), pump pressure control.

Pilot ONE:
The 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 13 languages (EN, DE, FR, IT, ES, RU, ZH, PT, JA, CS, PL, KO, TR). 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:
E-grade Professional installed as standard, 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.

4-year 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
Resolution of display	0,01 K
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	III / FL
Heating power	6 kW
Circulation pump:	
max. delivery	31 l/min
max. delivery pressure	1 bar
Pump connenction 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
Overall dimensions WxDxH	288x379x870 mm
Pressure equipment category	Art. 4.3 PED
Degree of Protection	IP20
Net weight	51 kg
Power supply (3 Phase)	208V 3~ 60Hz
max. current (3 Phase)	21 A
Fuse (3 phase)	3x25A
min. ambient temperature	5 °C
max. ambient temperature	40 °C



Order-No.: 1084.0001.01

from Serial-No.: S587640 **1.0/20**

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

Included Accessories:

E-grade "Professional" #9496, mini-USB cable #54949, Cover level indicator, connection cable (order no.: 13482),

Optional accessories:
software & interfaces, temperature control / - connection hoses, thermofluids, further accessories, etc.: see catalog.

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.

Information to Electromagnetic compatibility:
Classification (disturbance) to EN55011: Class A, Group 1
Attention: leakage current interne + externe Temperierung

External branch circuit protection according to UL 489 required.
For the specification, please refer to the electrical schematics.

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

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