

Heating Circulator with optical level indicator for closed systems and open baths. Powerful - regulated - cooling controlled with high temperature cooler (HT) on the heat exchanger. Magnetic coupled circulation pump made of stainless steel. Automatical capacity adaption for heating. Expansion tank (not thermoregulated) for closed systems, lockable for open baths. Heat exchanger, moistened parts and housing made of stainless steel. With adjustable overtemperature protection according to DIN 12876. Powerful variable speed pump (soft start) with integrated pressure control with optional external pressure sensor.

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.

Technical data according to DIN 12876

Operating temperature range	65... 300 °C	
Temperature stability at 70°C	0,01 K	
temperature set point / display	5,7" colour Touchscreen	Order-No.: 1003.0049.01
Resolution of display	0,01 K	
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 at 240V	3 kW	
Heating power at 230V	3 kW	
Heating power at 220V	3 kW	
Heating power at 208V	2,7 kW	
Heating power at 200V	2,5 kW	
Cooling power at 300°C	3,2 kW	
Cooling power at 200°C	2,3 kW	
Cooling power at 100°C	0,6 kW	
Circulation pump:		
max. delivery	45 l/min	
max. delivery pressure	0,9 bar	
Pump connection	M24x1,5 male	
max. permissible kin. viscosity	50 mm ² /s	
min. filling capacity	3,5 l	
Filling capacity expansion tank	4,5 l	
Overall dimensions WxDxH **	425x250x631 mm	
Net weight	42 kg	
Power supply requirement	200-240V 1~/2~ 50/60Hz	
Pressure equipment category	Art. 4.3 PED	
Degree of Protection	IP20	
min. ambient temperature	5 °C	
max. ambient temperature	40 °C	

from Serial-No.:

1.0/24

Technical data according to DIN 12876

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

Included Accessories:

mini-USB Kabel #54949

Optional accessories:

Com.G@te, Software, temperature control / - connection hoses, thermofluids, further accessories, etc.: see catalog.

Note: Pump connections: Bore shape Y (60°) according to DIN 3863, pipework/flexible tempering hoses: Ball socket according to DIN 3863, sleeve nut according to DIN 3870.

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

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

External branch circuit protection according to UL 489 required.

For the specification, please refer to the electrical schematics.

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