

Heating Circulator Bath with housing, bath and all moistened parts are made of stainless steel. With cooling coil for water-cooling (3/8"), pressure- and suction pump made of high-resistant plastic. With adjustable overtemperature protection according to DIN 12876.

### 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 13 languages (EN, DE, FR, IT, ES, RU, CN, PT, JP, CZ, 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.

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.

3-2-2 warranty - registration required.

### Technical data according to DIN 12876

Operating temperature range	28...300 °C
with refrigerator	-20 °C
Temperature stability at 70°C	0,02 K
temperature set point / display	5,7" colour Touchscreen
Absolute accuracy	setup for calibration
Temperature control internal	Pt100
External sensor	Pt100
Interface digital	Ethernet, USB (Host u. Device), RS232
Safety classification	Class III / FL
Heating power convertible	3,0kW oder 4,0kW
Pressure pump	
max. delivery	25 l/min
Delivery pressure (head)	0,7 bar
Suction pump	yes
max. delivery (suction)	18,5 l/min
Delivery suction pressure (head)	0,4 bar
Pump connection	M16x1 male
max. permissible kin. viscosity	50 mm²/s
min. filling capacity	11,5 l
Bath volume	15 l
Bath capacity with displacement rack	8,5 l
Width bath opening WxD	270x145 mm
Bath depth	200 mm
Height of bath opening	235 mm
Overall dimensions WxDxH **	335x382x433 mm
Net weight	22 kg
Power supply convertible	230V 1~ 50/60Hz* or 400V 3~N 50/60Hz
max. current	14 A
Fuse (1 phase)	16 A
max. current (3 Phase)	11 A
Fuse (3 phase)	3x16 A
Degree of Protection	IP20
min. ambient temperature	5 °C
max. ambient temperature	40 °C



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from Serial-No.:

232096

1.2/17

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

Accessories and periphery: mini-USB cable #54949\*, Adapter nom. dia 12 mm\*, bath cover 304 vpc complete\*, dummy plugs\*, sleeve nuts thread M16x1\*, connection tube silicon\*, power supply cable\*, connection tubes, drain valve

\* 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.

Information to Electromagnetic compatibility:

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

Alternative (factory set) power supply - please quote configuration at time of ordering.

Standard delivery conditions - Power cable configuration:

1. Single-phase devices (230V/115V) -> with cable and plug
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](http://www.huber-online.com)



# Wolf Laboratories Limited

[www.wolflabs.co.uk](http://www.wolflabs.co.uk)

Tel: 01759 301142

Fax: 01759 301143

[sales@wolflabs.co.uk](mailto:sales@wolflabs.co.uk)



**Use the above details to contact us if this literature doesn't answer all your questions.**

**Pricing on any accessories shown can be found by keying the part number into the search box on our website.**

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

