

Visco Baths are used for precise temperature applications with capillary viscometers and density meters within the bath tank. The units offer high temperature accuracy and optimal temperature distribution throughout the bath. An integral cooling coil for cooling water is provided for temperature applications below or near ambient temperatures. The units are equipped with a holder (optional) for thermometers and therefore offer very good options for temperature calibration procedures and comparisons with accredited thermometers. 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 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.

3-2-2 warranty - registration required.

### Technical data according to DIN 12876

Operating temperature range	28...100 °C	<b>Order-No.: 2001.0007.01</b>
with water cooling	15...100 °C	
with refrigerator	15...100 °C	
Temperature stability at 70°C	0,01 K	
temperature set point / display	5,7" colour Touchscreen	
Internal temperature sensor	Pt100	
Sensor external connection	Pt100	
Interface digital	ETHERNET, USB, RS232	
Safety classification	Class III / FL	
Heating power	2 kW	
Pressure pump		
max. delivery	27 l/min	
max. delivery pressure	0.7 bar	
Pump connection	M16x1 male	
Bath volume	30 l	
Filling capacity	25,5 l	
Bath opening diameter	51 mm	
Number of bath openings	5	
Bath depth	310 mm	
Overall dimensions WxDxH **	500x240x490 mm	
Net weight	11 kg	
Power supply requirement	230V 1~ 50/60Hz	
max. current	10 A	
alternative power supply	240V 1~ 60Hz	
alternative max. current	10 A	
min. Fuse (1 phase)	10A	
max. Fuse (1 phase)	16A	
Degree of Protection	IP20	
min. ambient temperature	5 °C	
max. ambient temperature	40 °C	

**from Serial-No.:** **168812** **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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Accessories and periphery: mini-USB cable #54949\*, drain valve, blank plug , sleeve nuts thread M16x1.

\* 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 B, Group 1

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