

Multi Flow Control Cube Turbine is used to measure and control the flow and pressure of the thermal fluid. The flow measurement is made using a turbine flow meter in a stainless steel housing. The desired thermal fluid must be specified when ordering, so that the corresponding fluid parameters are factory set. All wetted parts are made of stainless steel.

The control unit consists of the following:

Housing, flow meter, VPC bypass, internal pressure sensor in flow, connection for external pressure sensor (flow), ComG@te, CAN switch, complete wiring and piping (insulated), power supply 90-240V 1 ~ 50/60 Hz Schuko plug.

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.

4-year warranty - registration required.

Technical data according to DIN 12876

| | |
|--|---------------------------------------|
| Operating temperature range | -90...250 °C |
| Temperature range with factory calibration | -30...95 °C |
| temperature set point / display | 5,7" colour Touchscreen |
| Sensor external connection | Pt100 |
| Interface digital | Ethernet, USB (Host u. Device), RS232 |
| Calibration with thermofluid (factory-set) | Water-Ethylene Glycol 50:50 |
| min. volume flow | 0,9 l/min |
| max. volume flow | 95 l/min |
| max. volume pressure | 6 bar |
| Accuracy flow control | +/- 0,2 l/min |
| Overall dimensions WxDxH ** | 420x593x591 mm |
| sound pressure level +/- 4 dB(A) | 43 dB(A) |
| fluid connection | M38x1,5 male |
| Power supply requirement | 90-240V 1~/2~ 50/60Hz |
| max. current | 0,2 A |
| Fuse | 2 A |
| Degree of Protection | IP20 |
| min. ambient temperature | 5 °C |
| max. ambient temperature | 40 °C |



Order-No.: 3601.0004.01

from Serial-No.:

1.0/23

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 cable , cable and software

Optional accessories:

Adaptor, temperature control / - connection hoses, thermofluids, further accessories, etc.: see catalog.

Technical data according to DIN 12876

Output data valid for: Room temperature 20° C

in accordance with EN60034-1 the following voltage and frequency tolerances are valid:

Voltage + / - 5% with a simultaneous frequency tolerance of + / - 2%

Example -5% voltage and + 2% frequency -> not allowed!

-5% voltage and - 2% 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

This equipment is compliant to US-SNAP and all applicable EU laws. The US-SNAP end-use for this equipment is the industrial process refrigeration. Certification by a Notified Body upon request.

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