

Chiller with air-cooled refrigerating unit and circulation pump (stainless steel). Housing, atmospheric open expansion tank and copper soldered evaporator made of stainless steel. With digital level indicator. For externally closed applications.

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.

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	-20...40 °C	
temperature set point / display	5,7" colour Touchscreen	
Internal temperature sensor	Pt100	Order-No.: 3055.0003.01
Sensor external connection	Pt100	
Interface digital	Ethernet, USB (Host u. Device), RS232	
Temperature stability at -10°C	0,5 K	
Safety classification	I / NFL	
Cooling power		
at 15°C	4,5 kW	
at 0°C	4 kW	
at -10°C	2,7 kW	
at -20°C	1,4 kW	
Refrigeration machine	air-cooled, CFC- and HCFC-free	
Refrigerant (ASHRAE, GHS)	R-449A (A1, H280)	
Global Warming Potential (GWP)	1397	
UN-number	UN 2857	
Circulation pump:	B	
max. delivery	31 l/min	
max. delivery pressure	4 bar	
Delivery at 0,5 bar	27 l/min	
Delivery at 1,0 bar	22 l/min	
Delivery at 1,5 bar	19 l/min	
Delivery at 2,0 bar	16 l/min	
Delivery at 2,5 bar	12 l/min	
Delivery at 3,0 bar	8 l/min	
Delivery at 3,5 bar	5 l/min	
Pump connection	G3/4 male	
min. filling capacity	3,5 l	
Volume of expansion	3,5 l	
Overall dimensions WxDxH **	500x552x1451 mm	
Net weight	164 kg	
Power supply (3 Phase)	460V 3~ 60Hz	
Pressure equipment category	Art. 4.3 PED	
Degree of Protection	IP20	
min. ambient temperature	5 °C	

Technical data according to DIN 12876

max. ambient temperature

40 °C

from Serial-No.:

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:

mini-USB cable #54949, cover expansion vessel, Hose coupling for G3/4 male,

Optional accessories:

Com.G@te, external sensor, temperature control / - connection hoses, heat transfer fluid, further accessories, etc.: see catalog.

Output data valid for: Room temperature 20° C. If the ambient temperature rises, the cooling capacity may drop.

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

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

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