

# **Unichiller P075**

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.

Unichiller "P" Models: Circulating pumps with a high discharge pressure for applications with high pressure drops.

## 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 set point / display5.7° colour TouchscreenInternal temperature sets point / display5.7° colour TouchscreenInternal temperature sets point / display5.7° colour TouchscreenInternal temperature stability at -10°C0.5 KInterface digitalEthernet, USB (Host u.Device), RS232Device), RS23220°C7.5 kWat 0°C5.5 kWat -10°C3.7 kWat -20°C2.3 kWat -20°C3.7 kWat -20°C3.7 kWat -20°C2.3 kWRefrigeration machineair-cooled, CFC- and HCFC-freeRefrigerant (ASHRAE, GHS)R449A (A1, H280)Refrigerant (ASHRAE, GHS)R449A (A1, H280)Querey pressure5.3 barDelivery at 3.0 bar124 //minDelivery at 3.0 bar124 //minDelivery at 4.0 bar103 //minDelivery at 4.0 bar103 //minDelivery at 4.0 bar31 //minDelivery at 4.0 bar43 //minDelivery at 4.0 bar481Overall dimensions WxDxH ***740x1160x1165 mmPower supply (3 Phase)400 '3 - 60HzPressure equipment category4.3 PEDDegree of ProtectionIP20min. ambient temperature5 °C	Operating temperature range	-2040 °C	
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Delivery at 5,0 bar43 l/minPump connectionG1 1/4 malemin. filling capacity18 lVolume of expansion48 lOverall dimensions WxDxH **740x1160x1165 mmPower supply (3 Phase)460V 3~ 60HzPressure equipment category4.3 PEDDegree of ProtectionIP20	Delivery at 4,0 bar	103 l/min	
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Pressure equipment category4.3 PEDDegree of ProtectionIP20			
Degree of Protection IP20			
min. ambient temperature 5 °C	-	-	
	min. ambient temperature	5 °C	

#### Technical data according to DIN 12876

max. ambient temperature	40 °C	
from Serial-No.:	1.0/2	20

### from Serial-No.:

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, Hose coupling for G1 1/4 male, , cover expansion tank,

#### Optional accessories:

Com.G@te, POKO/ECS interface, temperature control / - connection hoses, thermofluids, 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% -5% voltage and + 2% frequency -> not allowed! Example -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