

CC-508w



Refrigerated Heating Circulator Bath with water-cooled cooling machine. Powerful, variable speed, pressure and suction pump, evaporator (cooler) and housing of stainless steel, CFC and H-CFC free. 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

temperature set point / display5,7" colour TouchscreenInternal temperature sensorPt100Safety classificationPt100Safety classificationClass III / FLHeating power3 kWCooling power1,5 kWat 100°C1,5 kWat 0°C1,5 kWat 0°C1,5 kWat 0°C3 kWet 0°C1,5 kWat 0°C3 kWet 0°C0,3 kWRefrigeration machinewater-cooled, natural refrigerantRefrigerat (ASHRAE, GHS)R 1270 (A3, H220)Pressure pump0,15 kgPressure pump25 l/minmax. delivery pressure0,7 barSuction pumpyesmax. delivery pressure (suction)18,5 l/minmax. delivery pressure (suction)6/12 maleCooling water connectionG/12 maleConsumption at water 15°C, flow 20°C204 l/hConsumption at water 15°C, flow 20°C39 l/hConsumption at water 15°C, flow 20°C39 l/hConsumption at water 15°C, flow 20°C39 l/hmax. cooling water pressure6 barBath volume51min. filing capacity41Width bath opening WxD / bath depth120 x 110 / 160 mm	Operating temperature range Temperature stability at -10°C	-55200 °C 0,02 K	
Sensor external connectionPt100Safety classificationClass III / FLHeating power3 kWCooling power3 kWat 10°C1.5 kWat 20°C1.5 kWat 0°C1.5 kWat -20°C1 kWat -20°C1 kWat -40°C0.3 kWRefrigeration machinewater-cooled, natural refrigerantRefrigerant (ASHRAE, GHS)R1270 (A3, H220)Refrigerant quantity0,15 kgPressure pump25 l/minmax. delivery pressure0,7 barSuction pumpyesmax. delivery source0,7 barSuction pumpyesmax. delivery source (suction)0,4 barPump connectionM16x1 malemax. permissible kin. viscosity50 mm²/sCooling water 15°C, flow 20°C204 l/hConsumption at water 15°C, flow 20°C38 l/hConsumption at water 15°C, flow 20°C39 l/hmin. cooling water pressure6 barBath volume51min. cooling water pressure6 barBath volume51min. filling capacity41Width bath opening WxD / bath depth120 x 110 / 160 mm		•	
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Pump connectionM16x1 malemax. permissible kin. viscosity50 mm²/sCooling water connectionG1/2 maleConsumption at water 15°C, flow 20°C204 l/hConsumption at water 15°C, flow 0°C138 l/hConsumption at water 15°C, flow -20°C78 l/hConsumption at water 15°C, flow -40°C39 l/hmin. cooling water differential pressure3 barmax. cooling water pressure6 barBath volume5 lmin. filling capacity4 lWidth bath opening WxD / bath depth120 x 110 / 160 mm	max. delivery (suction)	18,5 l/min	Order-No.: 2045.0004.01
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Consumption at water 15°C, flow -20°C78 l/hConsumption at water 15°C, flow -40°C39 l/hmin. cooling water differential pressure3 barmax. cooling water pressure6 barBath volume5 lmin. filling capacity4 lWidth bath opening WxD / bath depth120 x 110 / 160 mm	Consumption at water 15°C, flow 20°C	204 l/h	
Consumption at water 15°C, flow -40°C39 l/hmin. cooling water differential pressure3 barmax. cooling water pressure6 barBath volume5 lmin. filling capacity4 lWidth bath opening WxD / bath depth120 x 110 / 160 mm	Consumption at water 15°C, flow 0°C	138 l/h	
min. cooling water differential pressure3 barmax. cooling water pressure6 barBath volume5 lmin. filling capacity4 lWidth bath opening WxD / bath depth120 x 110 / 160 mm	Consumption at water 15°C, flow -20°C	78 l/h	
max. cooling water pressure6 barBath volume5 lmin. filling capacity4 lWidth bath opening WxD / bath depth120 x 110 / 160 mm	Consumption at water 15°C, flow -40°C	39 l/h	
Bath volume5 Imin. filling capacity4 IWidth bath opening WxD / bath depth120 x 110 / 160 mm	min. cooling water differential pressure	3 bar	
Bath volume5 Imin. filling capacity4 IWidth bath opening WxD / bath depth120 x 110 / 160 mm	max. cooling water pressure	6 bar	
Width bath opening WxD / bath depth120 x 110 / 160 mm	Bath volume	51	
	min. filling capacity	41	
Height of bath opening 565 mm	Width bath opening WxD / bath depth	120 x 110 / 160 mm	
	Height of bath opening	565 mm	

Technical data according to DIN 12876

from Serial-No.:		1.0/20
min. ambient temperature	5 °C	
max. ambient temperature	40 °C	
Degree of Protection	IP20	
Fuse	16 A	
max. current	15,5 A	
Power supply requirement	230V 1~ 50Hz	
Net weight	69 kg	
Overall dimensions WxDxH **	410x480x765 mm	

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*, bath cover*, Adapter nom. dia. 12*, dummy plugs*, sleeve nuts thread M16x1*, connection tubes, drain valve

* standard equipment

Output data valid for: Room temperature 20°C, cooling water inlet 15°C and 3 bar differential pressure between cooling water inlet and outlet. This temperature control unit has been designed to operate with cooling water up to 20°C. As the cooling water temperature increases, drop in the cooling power should be expected, and also an increased cooling water flow rate possible. Materiels used in the cooling water circuit include; copper, Stainless steel 1.4401, MS, PA, PPE, PTFE and EPDM. Please use suitable cooling water.

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

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