CC-515

Refrigerated Heating Circulator Bath with air-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 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	-55...200 °C
Temperature stability at -10°C	0,02 K
temperature set point / display	5,7" colour Touchscreen
Internal temperature sensor	Pt100
Sensor external connection	Pt100
Interface digital	Ethernet, USB (Host u. Device), RS232
Safety classification	Class III / FL
Heating power	3 kW
Cooling power	
at 100°C	3,3 kW
at 20°C	3,3 kW
at 0°C	3,3 kW
at -20°C	1,6 kW
at -40°C	0,6 kW
Refrigeration machine	air-cooled, CFC- and HCFC-free
Refrigerant	R507
Refrigerant quantity	1,3 kg
Pressure pump	
max. delivery	31 l/min
max. delivery pressure	0.6 bar
Suction pump	yes
max. delivery (suction)	24 l/min
max. delivery pressure (suction)	0.35 bar
Pump connection	M16x1 male
max. permissible kin. viscosity	50 mm²/s
Bath volume	26 l
Bath capacity with displacement rack	15 l
Width bath opening WxD / bath depth	260 x 260 / 200 mm
Height of bath opening	937 mm
Overall dimensions WxDxH **	605x706x1136 mm
Net weight	139 kg
Power supply requirement (3 phase)	400V 3~N 50Hz
max. current (3 Phase)	10 A
Fuse (3 phase)	3x10 A

Order-No.: 2021.0001.01

Technical data according to DIN 12876

Degree of Protection	IP20
max. ambient temperature	40 °C
min. ambient temperature	5 °C

from Serial-No.:	**169037**	**1.0/12**

Technical details and dimensions are subject to change. No liability is accepted for errors or omissions.

Accessories and periphery: mini-USB cable #54949*, Adapter nom. dia. 12 mm*, dummy plugs*, sleeve nuts thread M16x1*, connection tubes, drain valve, displacement insert to reduce bath volume, calibration insert * standard equipment

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

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