

Refrigerated Heating Circulator Bath with air-cooled cooling machine. Powerful, variable speed, pressure and suction pump, housing of stainless steel, CFC and H-CFC free. With adjustable overtemperature protection according to DIN 12876.

CC3: Automation capable

Complete functions: With level protection and maximum and minimum setpoint for additional safety, external temperature sensor connection, external temperature control and temperature programmer (50 segments, may be split into 10 programs), interactive, contains a digital RS232/RS485 interface as well as a (4...20mA) analogue interface for bidirectional communication. Potential free alarm contact (Poko).

Plug & Play Technology - new generation of microprocessor controlled Compatible Control. Simple operation with a rotary knob and digital display, easy control, clear text, menu-driven, set point limiting, visually and acoustically alarm, mains failure automatic, programmable. Simple user guidance using a 4 line graphical LCD display. Administrator level and multiple user levels are available. All controllers (CC1, CC2, CC3) are backwards compatible, interchangeable and calibrateable. 3 year warrantee (registration necessary).

Technical Data

Operating temperature range	-50...200 °C
Temperature stability at -10°C	0,02 K
Temperature adjustment	digital
Temperature indication	digital
Resolution of display	0,1
Internal temperature sensor	Pt100
Sensor external connection	Pt100
Analog Interface In/Out	4-20mA alternative 1-5V
Safety classification	FL
Heating power	1,5 kW
Cooling power	
at 100°C	1,2 kW
at 20°C	1,2 kW
at 0°C	1 kW
at -20°C	0,6 kW
at -40°C	0,15 kW
Refrigerant	Isceon 89
Circulation pump:	
max. delivery	33 l/min
max. delivery pressure	0.7 bar
Suction pump:	
max. delivery suction pump	22 l/min
max. suction pressure	0.4 bar
Pump connection	M16x1
Pump connection for hose	NW8/12
max. permissible kin. viscosity	50 mm ² /s
Bath volume	5 l
Width bath opening WxD / bath depth	120 x 110 / 150 mm
Overall dimensions WxDxH	410x480x720 mm
Height of bath opening	540 mm
Net weight	60 kg
Power supply requirement	230V 1~ 50/60Hz
max. current (1 Phase)	11,6 A
Fuse (1 phase)	16 A
Protection class	IP20
max. ambient temperature	32 °C
min. ambient temperature	5 °C



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from Serial-No.: 61435

2.1/05

Huber reserve the right to change the technical specification without notice. Huber accepts no liability for printing errors.

Accessories and periphery: Adapter nom. dia. 12*, dummy plugs*, sleeve nuts thread M16x1*, connection tubes, stopcock, external sensor, connecting cable.

* standard equipment

Output data go for: Room temperature 20° C