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ICC control
/// Data Sheet

Compact immersion circulator ICC control for tempering of liquids up to 150 °C. Suitable to use in open or covered bath vessels.

The integrated pressure/ suction pump allow ICC control to be used for internal and external applications. Just connect the optional pump set. ICC control also has an optional cooling coil that allows to work close to ambient temperatures. The program function can save and run up to 10 individual procedures with 10 steps.

The ICC control circulator is first in its class with an integrated carrying handle that allows for comfortable transport and safe storage thanks to its clever stand.

The large, colour TFT screen offers intuitive controls of all process parameters.

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- Temperature range: RT - 150 °C
- Temperature stability: ± 0.01 K
- Powerful, speed-controlled pressure/suction pump
- Holding clamp for attaching the circulator to a bath, convenient carrying handle und integrated brackets
- Large easy to read TFT display for temperature, pump speed, filling level and safety temperature
- Programming function with 10 individual programs, each with 10 steps
- Adjustable safety circuit
- Connection for external PT 100 temperature probe
- Visual and acoustic safety warnings
- USB / RS 232 interface for PC control and documentation using labworldsoft®, as well as for online firmware updates

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Technical Data

Appliance type	Compact immersion circulators
Class designation acc. DIN 12876	III
Identification according to DIN 12876	FL
Heat output [W]	2000
Working temperature [°C]	room temp. +10K @1000rpm - 150
Operating temperature min. (with external cooling) [°C]	-20
Temperature display	yes
Temperature control	PT 100
Working temperature sensor	PT 100
Safety temperature sensor	PT1000
Working temperature display	TFT
Safety temperature display	TFT
Temperature stability DIN 12876 [K]	±0.01
Connection for ext. temperature sensor	PT 100
Display resolution [K]	0.01
Display for operation with ext. sensor	yes
Set temperature resolution [K]	±0.1
Warning function optical	yes
Warning function acoustic	yes
Warning function excess temperature	yes
Adjustable safety circuit [°C]	0 - 160
Sub-level protection	yes
Over-level protection	yes
Pump type	Pressure- / suction pump
Pump capacity adjustable	yes
Pump pressure max. (0 liters discharge flow) [bar]	0.3
Pressure pump (suction side) (0 liter flow) [bar]	0.2
Flow rate max. (0 bar back pressure) [l/min]	18
Bath depth min. [mm]	150
Calibration option	yes
Appliance fastener	clamp
Technical data complies with the standard	DIN 12876
Permissible ON time [%]	100
Dimensions (W x H x D) [mm]	145 x 340 x 200
Weight [kg]	3.75
Permissible ambient temperature [°C]	5 - 40
Permissible relative humidity [%]	80
Protection class according to DIN EN 60529	IP 21
RS 232 interface	yes
USB interface	yes
Voltage [V]	230
Frequency [Hz]	50/60
Power input [W]	2100