



designed for scientists



ICC 150 lite

/// Data Sheet

The compact immersion circulators of the lite series are powerful and of high quality, with a focus on essential basic functions, excellent performance and efficient operation. ICC 150 lite is suitable for tempering liquids up to 150 °C. The integrated pressure/ suction pump allows the device to be used for internal and external applications.

YOUR BENEFITS

-Increased safety: ICC 150 lite is approved for use with flammable liquids in accordance with DIN 12876, safety class III. It detects an overflow, e.g. due to an unintentional increase in the volume of oils, and switches the heating off safely.



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- Convenient handling: The integrated stand enables easy cleaning and prevents important components from being damaged.
- Durability and low maintenance: Robust design thanks to high-quality material, housing made of coated stainless steel.
- USB and RS232 interface for monitoring, control and documentation.
- Easy configuration: To make configuration of your temperature control system as convenient as possible, IKA offers “ready-to-connect” packages with all the necessary accessories.

Technical Data

Appliance type	Compact immersion circulators
Class designation acc. DIN 12876	III
Identification according to DIN 12876	FL
Heat output [W]	1000
Working temperature [°C]	room temp. - 150
Operating temperature min. (with external cooling) [°C]	-25
Temperature display	yes
Temperature control	PID
Working temperature sensor	PT1000
Safety temperature sensor	PT1000
Working temperature display	LED
Safety temperature display	LED
Temperature stability DIN 12876 [K]	±0.05
Display resolution [K]	0.1
Set temperature resolution [K]	±0.1
Warning function optical	yes
Warning function acoustic	yes
Adjustable safety circuit [°C]	0 - 160
Sub-level protection	yes
Over-level protection	yes
Pump type	Pressure- / suction pump
Pump pressure max. (0 liters discharge flow) [bar]	0.3
Pressure pump (suction side) (0 liter flow) [bar]	0.1
Flow rate max. (0 bar back pressure) [l/min]	15
Bath depth min. [mm]	150
Appliance fastener	clamp
Technical data complies with the standard	DIN 12876
Permissible ON time [%]	100
Dimensions (W x H x D) [mm]	135 x 303 x 180
Weight [kg]	4.7
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	USB-B
Voltage [V]	115
Frequency [Hz]	50/60
Power input [W]	1100