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RC 2 lite

/// Data Sheet

Compact recirculating chiller with powerful 400 W cooling capacity, designed for simple cooling tasks down to -10 °C.

The RC 2 lite is the perfect peripheral device for the cooling of rotary evaporators, reflux condensers or as a cooling source for devices that dissipate heat with the help of a heat exchanger (e. g. double-walled grinding containers, cooled incubators, laboratory reactors, cooling coils).

The easily accessible and easy-to-clean mesh filter (stainless steel) ensure a consistently high cooling capacity over years. Thanks to the low filling volume of just one liter, the RC 2 lite is able to reach low temperatures particularly fast.



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The large working volume of 2.5 liters enables a high number of external applications without refill of liquids. The filling level in the reservoir can be clearly observed through the large, illuminated sight glass.

The powerful pressure and suction pump enables the simultaneous operation of several small applications as well as external applications in open bath vessels in combination with a level controller. Thanks to the natural refrigerant R290, the RC 2 lite is remarkably environmentally friendly and well prepared for the future.



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Technical Data

Appliance type	Recirculating chiller
Class designation acc. DIN 12876	I
Identification according to DIN 12876	NFL
Cooling agent	R290
Cooling agent quantity [g]	70
Cooling agent pressure max. [bar]	21
Cooling capacity (@20°C) [W]	400
Cooling capacity (@10°C) [W]	350
Cooling capacity (@0°C) [W]	250
Cooling capacity (@-10°C) [W]	140
Working temperature [°C]	-10 - room temp.
Operating temperature min. [°C]	-10
Operating temperature max. (with external heating) [°C]	70
Temperature display	yes
Temperature control	PT1000
Working temperature sensor	PT1000
Working temperature display	LED
Temperature stability DIN 12876 [±K]	0.5
Display resolution [K]	0.1
Set temperature resolution [±K]	0.1
Filling volume [l]	1 - 3.5
Pump type	Pressure- / suction pump
Pump pressure max. (0 liters discharge flow) [bar]	0.35
Pressure pump (suction side) (0 liter flow) [bar]	0.15
Flow rate max. (0 bar back pressure) [l/min]	18
Pump connection	M16x1
Permissible ON time [%]	100
Dimensions (W x H x D) [mm]	225 x 385 x 430
Weight [kg]	24.5
Permissible ambient temperature [°C]	5 - 32
Permissible relative humidity [%]	80
Protection class according to DIN EN 60529	IP 21
RS 232 interface	yes
USB interface	yes
Voltage [V]	230 / 115 / 100
Frequency [Hz]	50/60
Power input [W]	250
Fuse	2x T10A 250V