FC1200 Chiller

The recirculating coolers of the FC series are characterized by an increased working temperature range thanks to their integrated heating. They operate very precisely with a temperature stability of ±0.2 °C.

Your advantages

- Adjustable ratio for feed/return temperatures
- Easy filling system located at the front
- Activation of pump for filling
- Bright MULTI-DISPLAY (LED)
- Upper and lower temperature warning functions with interval tone
- Integrated freezing protection and dry-running protection
- Rapid and easy operation via seamless, splash-proof keypad
- Liquid level indication on the front
- Self-test, reciprocal sensor monitoring, pump motor and compressor overload protection
- Complete shut-down with audible signal in case of an alarm
- Removable venting grid for simplified removal of dust
- RS232 interface for PC connection
- High temperature stability
- Integrated heater with 1.2 kW capacity
- Pressure Indicator

Technical data

Available voltage versions	
Order No.	9 600 120
Available voltage versions:	
9 600 120.03	230V/50Hz (Schuko Plug - CEE 7/4 Plug Type F)
9 600 120.04	230V/50Hz (UK Plug Type BS1363A)
9 600 120.05	230V/50Hz (CH Plug Type SEV 1011)

Bath	
Bath tank	Stainless steel

Cooling	
Cooling of compressor	1-stage Air

Other	
Sound pressure level dbA	53
Classification	Classification III (FL)
IP Code	IP 21
Pump type	Immersion Pump

Electronics	
Digital interface	RS232
External pt100 sensor connection	not available
Temperature control	PID1
Temperature display	2x LED
Temperature setting	Keypad

Dimensions and volumes	
Weight kg	65
Barbed fittings inner diameter	8/12 mm
Dimensions cm (W × L × H)	46 x 61 x 49
Filling volume l	8 ... 11
Pump connections	M16x1 male

Temperature values	
Temperature display resolution °C	0.1

Performance values

230V/50Hz (Schuko Plug - CEE 7/4 Plug Type F)

230V/50Hz						
Heating capacity kW						1.2
Cooling capacity (Water Glycol)						
°C	20	10	5	0	-10	
kW	1.3	0.95	0.75	0.66	0.37	
Refrigerant						R134a
Filling volume g						450
Global Warming Potential for R134a						1430
Carbon dioxide equivalent t						0.644
Pump capacity flow rate l/min						20
Pump capacity flow pressure bar						0.5

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Benefits

Precise
PID Temperature control with set control parameters, temperature stability ±0.02...±0.2 °C

JULABO. Quality.
Highest standards of quality for a long product life.

Green technology.
Development consistently applied environmentally friendly materials and technologies.

Satisfied customers.
11 subsidiaries and more than 100 partners worldworldwide guarantee fast and qualified JULABO support.

100% Checked.
100% testing. 100% quality. Each JULABO Circulator undergoes thorough quality testing before leaving the factory.

Quick start.
Individual JULABO consultation and comprehensive manuals at your disposal.

Services 24/7.
Around the clock availability. You can find suitable accessories, data sheets, manuals, case studies, and more at www.julabo.com.

100 % Cooling capacity
'Active Cooling Control' for cooling available throughout the entire working temperature range, fast cool-down even at higher temperatures

For flammable bath fluid
Classification III (FL) according to DIN 12876-1

Connection of additional equipment
Stakei connections for solenoid valve, HSP booster pump and HST booster heater

Early warning system for high/low temperature limits
Maximum safety for applications, optical and audible alarm, convertible to automated cut-off function