FC1200S Chiller

Recirculating coolers of the FC series with an increased pump capacity are available for applications with large volumes. Thanks to their integrated heating, they have an increased working temperature range and operate very precisely with a temperature stability of ± 0.2 °C.

Product features

- 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

Performance values

230V/50Hz (Schuko Plug - CEE 7/4 Plug Type F)					
Heating capacity kW	1.2				
Pump capacity flow rate I/min	22				
Pump capacity flow pressure bar	1.2				
Power consumption A	8				

Order No.			9600123.03		
Cooling capacity (Ethano	ol)				
°C	20	10	5	0	-10
kW ¹	1.2	0.85	0.65	0.56	0.26
Refrigerant stage 1					
Refrigerant	R134a				
Filling weight g	720				
Global Warming Potentia R134a	al for 1430				
Carbon dioxide equivale	nt t 1.0296				

¹ Performance specifications measured in accordance with DIN 12876. Cooling capacities up to 20 °C measured with ethanol; over 20 °C with thermal oil unless otherwise specified. Performance specifications apply at an ambient temperature of 20 °C. Performance values may differ with other bath fluids.





Technical data

Available voltage versions		Cooling				
Order No.	9 600 123		Cooling of compressor 1-stage Air			
Available voltage versions:						
9600123.03	230V/50Hz (Schuko Plug - CEE 7/4 Plug Type F) (R134a) 230V/50Hz (UK Plug Type BS1363A) (R134a)					
9600123.04						
9600123.05	230V/50Hz (CH Pl (R134a)	ug Type SEV 1011)				
Bath			Other			
Bath tank		Stainless steel	Sound pressure level dbA	57		
			Classification	Classification III (FL)		
			IP Code	IP 21		
			Pump type	Immersion Pump		
Electronics			Dimensions and volumes			
Interfaces		Alarm output, Profibus optional, RS232, Stakei, Standby-Input	Weight kg	66		
			Barbed fittings inner diameter mm	8/10 mm		
External pt100 sensor	connection	not available	Dimensions cm ($W \times L \times H$)	46 x 61 x 49		
Temperature control		PID1	Filling volume I	8 11		
Temperature display		2x LED	Pump connections	M16x1 male		
Temperature setting		Keypad				
Temperature value	es		Included in delivery			
Working temperature r	ange °C	-15 +80	2 Barbed fittings for tubing 8 and 12 mm ID. (Pump connections			
Temperature stability *	°C	±0.2	M16x1 male)			
Ambient temperature	°C	+5 +40				
Setting the resolution of display °C	of the temperature	0.1				

All Benefits



100% Checked.

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



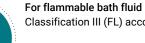
100 % Cooling capacity 'Active Cooling Control' for cooling available

throughout the entire working temperature range, fast cool-down even at higher temperatures





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



Classification III (FL) according to DIN 12876-1

Julaba



JULABO. Quality.

Highest standards of quality for a long product life.



Satisfied customers. 11 subsidiaries and more t

11 subsidiaries and more than 100 partners worldwide guarantee fast and qualified JULABO support.



Precise

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



Connection of additional equipment Stakei connections for solenoid valve



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.



Early warning system for high/low temperature limits

Maximum safety for applications, optical and audible alarm, convertible to automated cut-off function