

Refrigerated and Heating Circulator

Hanon F Series Refrigerated and Heating Circulator can be widely used in oil, physical, chemical, pharmaceutical, environmental protection and other fields of science, precision temperature control equipment.

Application: Experiment that need heating and cooling, Fermentation Tank, Polarimeter, Refractometer, Spectrophotometer, Electrophoresis System, Chromatographic Column, Viscometer, Rotation Evaporation Instrument, Rheometer.

Characteristics

- Convenience function: Parameters memory function, temperature correction.
- ECO-refrigerant R134a and high quality compressor guarantee the cooling system eco-friendly and powerful.
- Low Noise design: use high quality compressor and mute pump.
- Robust water tank: ultra-slushing and rust-proof.
- Bright LCD temperature display.
- Compact design, removable venting grid for convenient cleaning to maintain cooling performance and drain off water.

Note: "•" with the same technical index; "—" without

Technical data:

	FCL6-05	FCH6-05	FCL6-20	FCH6-20
Working temperature range	-5 °C ~ 100 °C	5 °C ~ 200 °C	-20 °C ~ 100 °C	-20 °C ~ 200 °C
Temperature control	Fuzzy PID	●	●	●
Temperature stability	±0.03 °C	●	●	●
Temperature sensor	PT100	●	●	●
Display resolution	0.1 °C	●	●	●
Heater capacity	2000 W	●	●	●
Cooling capacity	250W	●	●	●
Refrigerant	R134a	●	●	●
Pump capacity Pressure	0.35 bar	●	●	●
Pump Flow rate	10L/min	●	●	●
Ambient temperature	-20 ~ 70 °C	●	●	●
Output	RS232/RS485(optional)	●	●	●
Volume	6L	●	●	●
Bath opening L x W	160mmx160mm	●	●	●
Bath dimension L x W x H	320mmx180mmx150mm	●	●	●
Dimension L x W x H	400mmx240mmx650mm	●	●	●
Power supply	220VAC±10% 50Hz	●	●	●
Weight	25 Kg	●	●	●



Recirculating Chiller FC1200

Corollary Equipment

Kjeldahl Apparatus, Soxhlet Extractor, Crude Fiber Analyzer, AAS, ICP-MS, Electrophoresis System, Rheometer, Automatic Synthesizer, Fermentation Apparatus, Rotary Evaporator, Extraction and Condensation Device, SPE Apparatus.

Characteristics

- Cooling system adopt TECUMSEH compressor in order to ensure cooling efficiency, and reduce noise.
- PID temperature controlling technology is adopted. Cooling method is not the traditional stat-stop type, EEV technology improve the stability.
- Over-temperature protection and auto-alarm function is used in refrigeration control system to avoid damage temperature medium caused by abnormal liquid temperature value.
- Water level observation window and automatic water level detection device, automatic alarm when low liquid level.
- Water current detection device is adopted. When external cycle closed or blocked, internal cycle will be switched automatically.
- High performance circulating water pump guarantee the long time continuous running, and good sealing avoid leakage. The pressure of pump is 0-1.5 par, adjustment is available by rotary knob. Pressure value is displayed.
- Color LCD screen display more running data and dynamic identifier. Easy to monitor

Technical data:

Temperature control range	5.0 – 40.0°C
Display resolution	0.1°C
Temperature stability	±0.3°C
Pump flow rate	20L/min
Pump pressure	0-1.5 bar, adjustable
Pumping head	15m
Cooling capacity	1.2Kw
Refrigerant	R 134a
Volume	8L
Temperature sensor	PT 100
Temperature control	Hot gas by-gas and PID combined
Dimension	550mm×400mm×644mm
Power supply	220 VAC ±10% 50Hz

