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

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 (cm)	16x 16	●	●	●
Bath dimensions L x W x H (cm)	32 x 18 x 15	●	●	●
Dimensions L x W x H (cm)	40 x 25 x 65	●	●	●
Power supply	220VAC±10% 50Hz	●	●	●
Weight (kg)	25	●	●	●

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 °C ~ 40 °C
Temperature control	HOT gas by-gas and PID combined
Temperature stability	±0.3 °C
Temperature sensor	PT100
Display resolution	0.1 °C
Pump flow rate	20L/min
Cooling capacity	1.2Kw
Refrigerant	R134a
Pump Pressure	0-1.5 bar,adjustable
Pumping head	15m
volume	8L
Dimensions L x W x H (cm)	55 x 40 x 65
Power supply	220VAC±10% 50Hz