



# 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