

HEATING AND COOLING CIRCULATOR

Microprocessor based



CE



Working Principle

- This product has both cooling function and heating function. It is composed of refrigeration unit, heating unit, circulation system and control system.
- The refrigeration part is mechanically refrigerated with a fully enclosed compressor, matching with air-cooled condenser, plate-type heat exchanger, expansion valve, pressure protector, etc. to meet the cooling requirements.
- The heating part is to use an electric heating tube to heat the circulating fluid. The refrigerant or the heating medium is transported to the interlayer of the supporting equipment through the built-in circulation pump and the external circulation pipeline, indirectly cooling and heating the materials in the reactor.
- During external circulation, the upper outlet pipeline of this product is connected to the lower inlet pipeline of the kettle body, and the circulating fluid is returned from the upper circulation port through the pipeline to the lower return port of the product to form a complete circulation.

Technical Parameters

Model	HCC-40	
Usage temperature range	-40°C ~ +200°C	
Environment temperature	5°C ~35°C	
Environment humidity	≤70%ventilation	
Power supply	Single phase 220V 50Hz/ 110V 60Hz	
Safety protection	Delay, over-current, overheating, over temperature, phase sequence, phase loss protection	
Display	LCD display, key operation	
Temp control accuracy	±0.1°C	
Sensor	PT100	
Total power	2835W	
Heating power	2000W	
Compressor	Power	735W
	Cooling capacity	2324W
Circulation pump	Power	100W
	Lift	4-6M
	Flow	20-40L/min
	Pressure	≤0.4MPa
Plate-type heat exchanger	Heating exchange area	0.42 m ²
Refrigerant	CFC-free & HCFC-free, Eco- friendly R404A	
Equipment material	Cold plate spray, anti-corrosion	
Outer circulation interface	3/4" adapter with 2pcs 3/4"× 2m metal circulating pipes	
Circulating fluid	Grade A silicone oil	
Overall Dimension(W*D*H)	630*550*1060 mm	
Net weight	80KG	

