UC-200-30-F

Lab1st UC series is a hermetic heating circulator with a temperature range from room temperature to 200°C/300°C. The machine adopts electric heating mode, through the circulation pump output heat conduction fluid to heat the materials in the supporting reaction vessel. It is widely used in laboratory, pharmaceutical chemical industry, petrochemical industry and other high temperature environment.

Hermetic Heating Circulator

Features:

- Expansion tank design with stable system pressure
- The water cooling function will only be turned on when cooling is needed to save water resources
- Adopt full hermetic circulation system to prolong the service life of heat conduction fluid
- Equipped with exhaust valve that can immediately exclude the overflow of gas due to the temperature rise of the system medium
- With over-temperature alarm, overload protection and over-current protection function
- The circulation system is made of stainless steel to prevent corrosion and pollution and prolong the operation cycle

Technical Data:

Model	UC-200-30
———TECHNICAL DATA———	
Design Temperature [°C]	RT-200;±0.5
Ambient Temperature [°C]	5-30°C
Optimum Ambient Humidity	45-80%RH
Heating Method	Electrical heating
Cooling Method	Water Cooling
Water Cooling Condenser	Plate heat exchanger
Temperature sensor	PT100
Safety	Self-diagnosis; Pressure switch; Overload and thermal protection
———ELECTRICAL REQUIREMENTS———	
Voltage	220V
Phase	1P
Frequency [HZ]	50/60

Total power [kW]	3.8
Heating power [kW]	3
———COOLING CAPACITY [KW]———	
200°C	3.5
100°C	2
65°C	0.6
Cooling Method	Water Cooling
———CIRCULATION PUMP———	
Type	Vortex pump
Brand	Aolank
Power [w]	250
Pressure [bar]	2
Rated Flow [L/min]	25
———EXTERNAL CIRCULATION———	
Expansion Tank Volume [L]	3.9
Circulation Interface	G1/2" Female thread
Cooling Interface	G1/2" Female thread
———ACCESSORIES———	
Valve Specification | QTY	G1/2" Dual Male thread | 2
Tube Specification | QTY	2m Metal braided tube | 2
Adapter Specification | QTY	N/A
———WEIGHT | DIMENSION———	
Unit Weight	68
Unit Dimension [mm]	470×400×800

Package Information:

Length (cm)	Width (cm)
Height (cm)	CBM (m3)
Weight (kg)	Total capacity

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