

UC-200-30

Hermetic Heating Circulator

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.

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 overcurrent protection function

The circulation system is made of stainless steel to prevent corrosion and pollution and prolong the operation cycle



Parameters

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 Mathod	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



H (mm)

100°C 2		
Cooling Mathod —CIRCULATION PUMP— Type Brand Power [w] Pressure [bar] Rated Flow [L/min] Expansion Tank Volume [L] Circulation Interface Cooling Interface —ACCESSORIES— Valve Specification QTY Adapter Specification QTY —WEIGHT DIMENSION— Unit Weight Unit Dimension [mm] Water Cooling Volume Valver pump Aclank Aclan	100°C	2
CIRCULATION PUMP	65°C	0.6
Type Brand Brand Aolank Power [w] Pressure [bar] Rated Flow [L/min] Expansion Tank Volume [L] Circulation Interface Cooling Interface ACCESSORIES— Valve Specification QTY Tube Specification QTY Adapter Specification QTY WEIGHT DIMENSION— Unit Weight Unit Dimension [mm] Vortex pump Aolank Aolane 250 Callane Aspective Expansion 1	Cooling Mathod	Water Cooling
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 —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 Ackages CBM (m3)	——CIRCULATION PUMP——	
Power [w] 250 2 2 2 2 2 2 2 2 2	Туре	Vortex pump
Pressure [bar] 2 2	Brand	Aolank
Rated Flow [L/min] 25	Power [w]	250
Expansion Tank Volume [L] Circulation Interface Cooling Interface ACCESSORIES Valve Specification QTY Tube Specification QTY Adapter Specification QTY Unit Weight Unit Dimension [mm] ACKAGES W (mm) Sackages 3.9 3.9 3.9 61/2" Female thread G1/2" Female thread G1/2" Female thread Yalve Specification QTY G1/2" Dual Male thread 2 2m Metal braided tube 2 N/A 68 470×400×800	Pressure [bar]	2
Expansion Tank Volume [L] Circulation Interface Cooling Interface —ACCESSORIES— Valve Specification QTY Tube Specification QTY Adapter Specification QTY —WEIGHT DIMENSION— Unit Weight Unit Dimension [mm] ACKAGGES W (mm) Sackages 3.9 G1/2" Female thread G1/2" Female thread G1/2" Female thread G1/2" Female thread ACCESSORIES— G1/2" Female thread G1/2" Female	Rated Flow [L/min]	25
Circulation Interface Cooling Interface G1/2" Female thread	——EXTERNAL CIRCULATION——	
Cooling Interface —ACCESSORIES— Valve Specification QTY Tube Specification QTY Adapter Specification QTY Unit Weight Unit Dimension [mm] ACCESSORIES— G1/2" Female thread G1/2" Dual Male thread 2 MA MA MA MA CBM (m3)	Expansion Tank Volume [L]	3.9
ACCESSORIES— Valve Specification QTY Tube Specification QTY Adapter Specification QTY WEIGHT DIMENSION— Unit Weight Unit Dimension [mm] ACCESSORIES— G1/2" Dual Male thread 2 2m Metal braided tube 2 N/A 68 470×400×800 CBM (m3)	Circulation Interface	G1/2" Female thread
Valve Specification QTY Tube Specification QTY Adapter Specification QTY ——WEIGHT DIMENSION—— Unit Weight G1/2" Dual Male thread 2 2m Metal braided tube 2 N/A 68 470×400×800 CBM (m3)	Cooling Interface	G1/2" Female thread
Tube Specification QTY Adapter Specification QTY WEIGHT DIMENSION— Unit Weight Unit Dimension [mm] Ackages W (mm) CBM (m3)	——ACCESSORIES——	
Adapter Specification QTY —WEIGHT DIMENSION— Unit Weight 68 Unit Dimension [mm] 470×400×800 Ackages W (mm) CBM (m3)	Valve Specification QTY	G1/2" Dual Male thread 2
	Tube Specification QTY	2m Metal braided tube 2
Unit Weight 68 Unit Dimension [mm] 470×400×800 Ackages W (mm) CBM (m3)	Adapter Specification QTY	N/A
Unit Dimension [mm] 470×400×800 ackages W (mm) CBM (m3)	WEIGHT DIMENSION	
W (mm) CBM (m3)	Unit Weight	68
W (mm) CBM (m3)	Unit Dimension [mm]	470×400×800
	ackages	
D (mm) Weight (kg)	W (mm)	CBM (m3)
	D (mm)	Weight (kg)

^{*} Technical details and dimensions are subject to change. No liability is accepted for errors or omissions. Illustrations can deviate from the original.