

Heating Circulator

Characteristics:

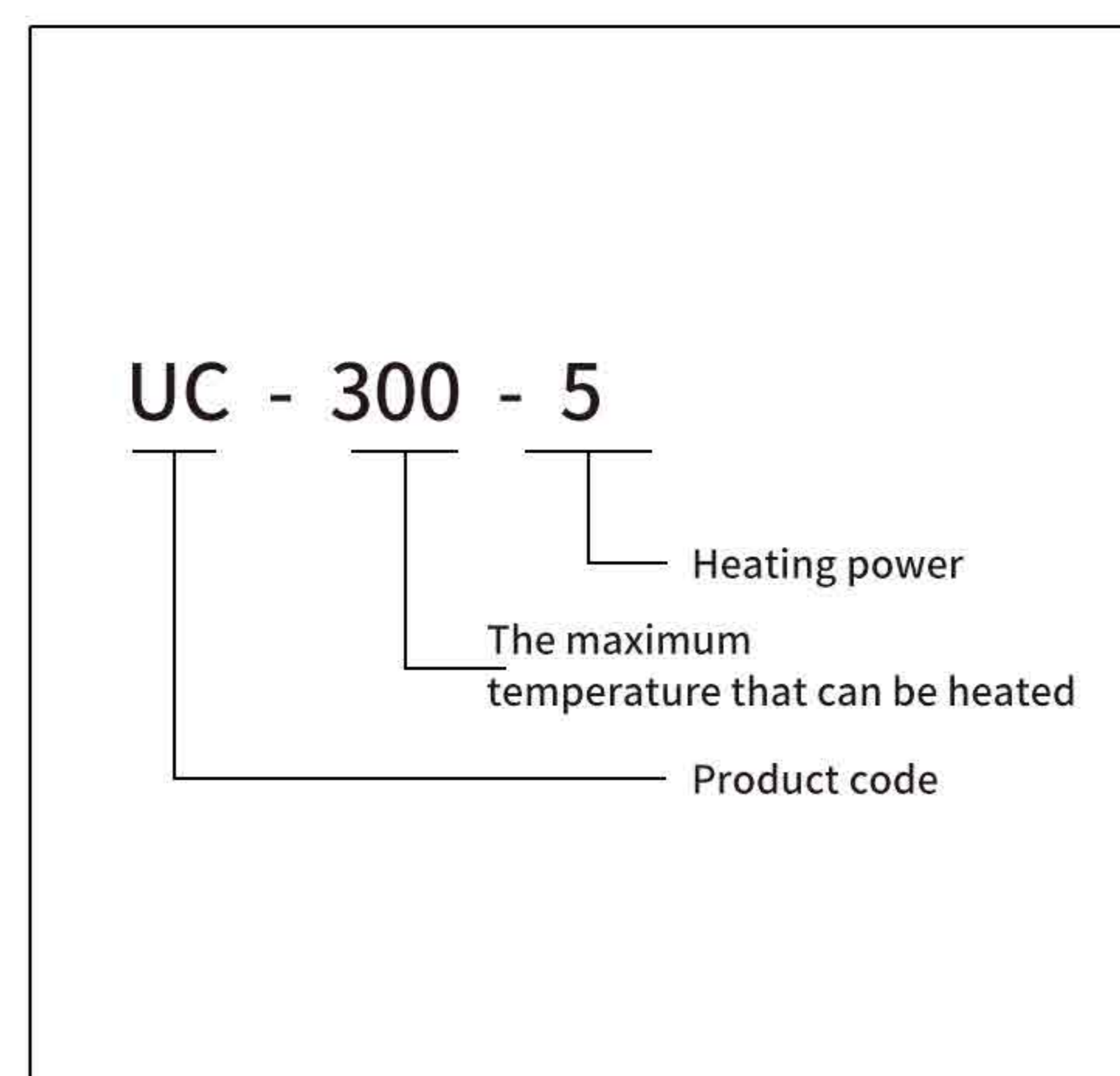
The fully enclosed heating circulator adopts electric heating mode and heats the materials in reaction vessel through the output transfer heat fluid of the circulating pump.

- Equipped with an exhaust valve, gas can be immediately eliminated.
- With over temp. alarm, overload protection and over current protection function.
- Temp. control using PID mode, high precision temp. control.
- Fully closed circulation system is adopted to prolong the service life of transfer heat fluid.
- Optional water-cooled model; Cooling water is injected to quickly cool temp. of transfer heat fluid.
- System temp. control can be heated from RT to 300°C.
- Circulation system adopts stainless steel material, anti-corrosion, anti-pollution, prolong the operation cycle.
- For explosive atmospheres of type IIB, the equipment can use EXd II BT4 / EXd II CT4 grade explosion-proof products.



UC-300-5

Model Description



Technical Parameters

Scan QR code
Browse Linbel official website



Product number	UC-200-15	UC-200-25	UC-200-38	UC-300-5	UC-300-10	UC-300-15
Temp. range (°C)	RT-200; ±0.5		RT-200; ±1	RT-300; ±0.5		
Ambient temp. (°C)	5-30					
Best ambient humidity	45-80%RH					
Voltage (V)	220/380/480					
	1Phase /3Phase					
Frequency (HZ)	50/60					
Total power (Kw)	16.5	26.5	41	6.2	11.5	15.9
Heating method	Electric heating					
Cooling method	Water cooling					
Temperature Sensor	PT100					
Water cooler	Plate heat exchanger (without water cooling without cooler)					
Safety protection	Self-diagnosis; high pressure switch; overload relay, thermal protection device					
Tank volume (L)	35	65	90	3.8	19	50
Heating power (Kw)	15	25	38	5.5	10	15
Circulation pump type	Vortex pump					
Power (w)	750	1500	1500	500	1100	750
Pressure (bar)	2.5	2.5	2.5	2	2	2
Rated flow (L/min)	50	110	110	35	50	50
Loop interface	DN25	DN20	DN32	DN-20 / PN-10 Flange interface		DN25
Cooling water interface	DN20	DN20	DN25	DN15	DN20	DN20
Weight (Kg)	100	130	170	95	105	115
Overall size (mm)	750*620*880	780*680*1150	1000*800*1200	470*400*800	700*570*800	750*620*1150
Package Size (mm)	800*690*940	830*750*1210	1050*870*1260	520*470*860	750*640*860	800*680*940
Remark	Can be customized according to user process					

Technical Parameters

Product number	UC-200-3S	UC-200-5S	UC-200-10	UC-300-60	UC-300-3	UC-300-5s
Temp. range (°C)	RT-200; ±0.5			RT-300; ±0.5		
Ambient temp. (°C)	5-30					
Best ambient humidity	45-80%RH					
Voltage (V)	220/380/480					
	1Phase /3Phase					
Frequency (HZ)	50/60					
Total power (Kw)	3.8	5.9	11	63	4.2	6.1
Heating method	Electric heating					
Cooling method	N/A		Water cooling			N/A
Temperature Sensor	PT100					
Water cooler	Plate heat exchanger (without water cooling without cooler)					
Safety protection	Self-diagnosis; high pressure switch; overload relay, thermal protection device					
Tank volume (L)	1.9	3.8	19	160	3.8	3.8
Heating power (Kw)	3	5	10	60	3	5.5
Circulation pump type	Vortex pump					
Power (w)	250	370	700	2200	500	500
Pressure (bar)	2.0	2.0	2.0	2.5	2.0	2.0
Rated flow (L/min)	25	35	50	250	15	15
Loop interface	DN15	DN15	DN20	DN32	DN-20 / PN-10 Flange interface	
Cooling water interface	N/A	N/A	DN15	DN25	DN15	N/A
Weight (Kg)	68	78	88	285	85	95
Overall size (mm)	470*400*800	470*400*800	700*570*800	1200*900*1600	470*400*800	470*400*800
Package Size (mm)	520*470*860	520*470*860	750*640*860	1250*970*1660	520*470*860	520*470*860
Remark	Can be customized according to user process					