

Thermostatic pump



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Low temperature cooling circulation pump

HLX series low temperature cooling circulating pump is especially suitable for various chemical, chemical, biopharmaceutical and physical experiments that need to maintain low temperature conditions. equipment.



HLX-2003/2005/4005



HLX-8005



HLX-2009/4009



HLX-2017

Product Features

- Resistant to metallic and non-metallic hard impurities and fibers brought in from outside, with long service life;
- Built-in pressure suction pump, large flow, long lift, stable water flow, and can withstand the temperature of 80~300 C for a long time;
- High temperature direct drop technology (CIT technology), which can directly cool down even at high temperature;
- The pump head supports short-term idling to prevent operation errors, and the equipment can be tested;
- Equipped with a drain port to prevent accidents;
- Imported compressor with proportional refrigeration technology and PID technology, the refrigeration system has a long service life and is more energy-saving.

Technical Parameters

Model	HLX-2003	HLX-2005	HLX--4005	HLX-8005	HLX-2009	HLX-4009	HLX-2017
Item number	1031001001	1031002001	1031005001	1031007001	1031003001	1031006001	1031004001
Tank volume (L)	3	4.5	4.5	5	9	9	17
Temperature range (°C)	-20~RT	-20~RT	-40~RT	-80~RT	-20~RT	-40~RT	-20~RT
Temperature fluctuation value(°C)	±0.3	±0.3	±0.3	±0.5	±0.5	±0.5	±0.5
Setting accuracy (°C)	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1
Display accuracy (°C)	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1
Cooling power (W)	300	600	650	900	1000	1200	1500
Cooling capacity (W)	450	700	800	400	1200	1500	2400
The refrigerant	R134A	R404A	R404A	R404A+R23	R404A	R404A	R404A
Heating power (W)	/	/	/	/	/	/	/
Display temperature method	LED	LED	LED	LED	LED	LED	LED
How to set				Membrane keys			
Security	Over temperature protection			High temperature protection Over temperature protection	Over temperature protection		
Use ambient temperature (°C)	5~32	5~32	5~32	5~32	5~32	5~32	5~32
Supply voltage (V)	200~230	200~230	200~230	200~230	200~230	200~230	200~230
Circular mode	Exterior Circulation						
Flow (L/min) (Max/Rated)	18/12	22/15	22/15	18/12	28/15	28/15	28/15
Head (M) (Max/Rated)	2.0/1.0	3.0/2.0	3.0/2.0	2.0/1.0	10/8	10/8	10/8
Loop interface	10mm Pagoda connector						
Instrument net weight (kg)	26	28	28	50	35	35	46
Instrument gross weight(kg)	28	30	30	70	43	43	55
Dimensions (mm)(W*D*H)	220*420*495	220*420*495	220*420*495	355x455x865	300*500*620	300*500*620	400*550*670
Packing size (mm)(W*D*H)	500*290*560	500*290*560	500*290*560	545*430*1300	380*580*800	380*580*800	480*630*820

High and low temperature cooling circulation pump

HLX series high and low temperature cooling circulating pump is a circulating device that provides heat source and cold source for reaction kettle, rotary steamer, etc. It is a laboratory equipment with dual functions of heating and cooling. Mainly used in the fields of chemical, pharmaceutical and biological supporting glass reactors, rotary evaporators, fermentation tanks, calorimeters, used in petroleum, metallurgy, medicine, biochemistry, physical properties, testing and chemical synthesis research departments, colleges and universities, Factory laboratory and measurement and quality inspection department.



HLX-2005G/4005G
(Program control optional)



HLX-2009G/4009G
(Program control optional)

Product Features

- Imported compressor with proportional refrigeration technology and PID technology, the refrigeration system has a long service life and is more energy-saving;
- Built-in pressure suction pump, large flow, long lift, stable water flow and can withstand the temperature of 80~300 °C working long hours;
- High temperature direct drop technology (CIT technology), which can directly cool down even at high temperature;
- The pump head supports short-term idling to prevent operation errors, and the equipment can be tested;
- Equipped with a drain port to prevent accidents;
- Resistant to metallic and non-metallic hard impurities and fibers brought in from outside, with long service life;
- Imported temperature sensor: four-wire imported PT100 temperature sensor, which can perform single point, two point, three-point temperature calibration;
- Low liquid level protection: light and sound remind at the same time when alarming.

Technical Parameters

Model	HLX-2005G	HLX-4005G	HLX-2009G	HLX-4009G	HLX-2017G
Item number	1031008001	1031011001	1031009001	1031012001	1031010001
Tank volume (L)	4.5	4.5	9	9	17
Temperature range (°C)	-20~100	-40~100	-20~100	-40~100	-20~100
Temperature fluctuation value (°C)	±0.1	±0.1	±0.1	±0.1	±0.1
Setting accuracy (°C)	±0.01	±0.01	±0.01	±0.01	±0.01
Display accuracy (°C)	±0.001	±0.001	±0.001	±0.001	±0.001
Cooling power (W)	600	650	1000	1200	1500
Cooling capacity (W)	700	800	1200	1500	2400
The refrigerant	R404A	R404A	R404A	R404A	R404A
Heating power (W)	1500	1500	1500	2000	1500
Display temperature method	TFT	TFT	TFT	TFT	LCD
How to set	Touch Screen	Touch Screen	Touch Screen	Touch Screen	membrane keys
High temperature drop	Support	Support	Support	Support	Support
Security	Low level protection High temperature protection Over temperature protection				
Use ambient temperature (°C)	5~32	5~32	5~32	5~32	5~32
Supply voltage (V)	200~230	200~230	200~230	200~230	200~230
Circular mode	Exterior Circulation				
Flow (L/min) (Max/Rated)	22/15	22/15	28/15	28/15	28/15
Head (M) (Max/Rated)	3.0/2.0	3.0/2.0	10/8	10/8	10/8
Loop interface	10mm Pagoda connector				
Instrument net weight (kg)	28	28	35	35	46
Instrument gross weight(kg)	30	30	43	43	55
Dimensions (mm)(W*D*H)	220x420x495	220x420x495	300x500x620	300x500x620	400x550x670
Packing size (mm)(W*D*H)	500*290*560	510*300*570	380*580*800	380*580*800	480*630*820