

DLK Series Low Temperature Cooling Machine

Introduction

DLK series rapid low temperature cycle pump, is no shrinkage mechanism of low temperature cold ring liquid circulation equipment. It has the cryogenic liquid, low temperature water-bath water provide the role. Combining rotating evaporator, vacuum freezing drying oven, recycling water type vacuum pump, uv spectrophotometer etc instrument constant temperature, the temperature of the chemical reaction multi-function homework and drug store.

Features

- 1. Clear:** 7-inch touch screen with sloping design, displaying parameters such as temperature and time, clearly visible from afar.
- 2. Quiet:** Fully enclosed imported compressors (Panasonic and Tecumseh), with low noise in the refrigeration system.
- 3. Environmental protection:** The system uses environmentally friendly refrigerants.
- 4. Timing:** Working time timing function, stops working after completion.
- 5. Wide range:** internal and external circulation can be switched, with high pump pressure, suitable for various experimental needs Compact: compact design, saving laboratory space.
- 6. Safety:** The refrigeration compressor has automatic protection functions such as overheating and overload.
- 7. Self start:** After power failure, the parameters remain unchanged, and customers can set the power on state for self start and standby.



Parameters

Model	DLK-5003	DLK-2003	DLK-5007	DLK-2007
Temp. range (°C)	-5~45	-20~45	-5~45	-25~45
Resolution (°C)	0.1	0.1	0.1	0.1
Accuracy (°C)	±2	±2	±2	±2
Capacity (L)	3	3	7	7
Cooling capacity				
(45°C /kW)	0.76	0.76	1.36	1.36
(25°C /kW)	0.63	0.63	1.27	1.27
(20°C /kW)	0.58	0.56	1.15	1.15
(15°C /kW)	0.55	0.51	1.05	1.05
(10°C /kW)	0.5	0.45	0.9	0.9
(5°C /kW)	0.45	0.41	0.82	0.82
(0°C /kW)	0.39	0.37	0.65	0.65
(-5°C /kW)	0.28	0.33	0.5	0.5
(-10°C /kW)	/	0.27	/	0.38
(-15°C /kW)	/	0.2	/	0.23
(-20°C /kW)	/	0.15	/	0.11
Pump flow(L/min)	20	20	20	20
Pump pressure(bar)	1.2	1.2	1.2	1.2
Inlet/Outlet	G1/2 Internal thread			
Noise(dB)	≤ 57	≤ 57	≤ 60	≤ 60
Weight(kg)	29	29	35.5	35.5
Dimensions (mm)	390*423*445	390*423*445	390*410*630	390*410*630
Power (kW)	0.55	0.55	0.65	0.65

Note: All models above DLK-5007 can be equipped with a pressure regulating high-pressure circulating pump, and the high-pressure version model suffix is "G".

Model	DLK-5010	DLK-2010	DLK-5020	DLK-2020	DLK-5030	DLK-2030
Temp. range (°C)	-5~45	-25~45	-5~45	-25~45	-5~45	-25~45
Resolution (°C)	0.1	0.1	0.1	0.1	0.1	0.1
Accuracy (°C)	±2	±2	±2	±2	±2	±2
Capacity (L)	10	10	20	20	30	30
Cooling capacity						
(45°C /kW)	2.6	2.6	4.5	4.5	6.4	6.4
(25°C /kW)	2.1	2.1	3.8	3.8	5.8	5.8
(20°C /kW)	2	2	3.4	3.4	5.4	5.4
(15°C /kW)	1.75	1.75	2.8	2.8	4.8	4.8
(10°C /kW)	1.5	1.5	2.2	2.2	4.2	4.2
(5°C /kW)	1.15	1.15	1.7	1.7	3.7	3.7
(0°C /kW)	0.9	0.9	1.35	1.35	3	3
(-5°C /kW)	0.7	0.7	1.05	1.05	2.2	2.2
(-10°C /kW)	/	0.52	/	0.8	/	1.7
(-15°C /kW)	/	0.35	/	0.65	/	1.2
(-20°C /kW)	/	0.26	/	0.4	/	0.9
Pump flow(L/min)	20	20	20	20	20	20
Pump pressure(bar)	1.2	1.2	1.2	1.2	1.2	1.2
Inlet/Outlet	G1/2 Internal thread					
Noise(dB)	≤ 62	≤ 62	≤ 65	≤ 65	≤ 70	≤ 70
Weight(kg)	46	46	64	64	122	122
Dimensions (mm)	430*470*820	430*470*820	447*553*960	447*553*960	557*675*1193	557*675*1193
Power (kW)	0.77	0.77	1.2	1.2	2.4	2.4

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