

Open Type Recirculating Chiller

-40°C / -30°C RT

How It Works

It adopts compressor refrigeration and is equipped with a circulating pump to provide cooling capacity.

It can form a complete set of equipment with rotary evaporators, vacuum freeze dryers, circulating water multi-purpose vacuum pumps, etc.

Features

- Large-capacity open bath and external circulation system, which can be used independently as a freezing bath, or provide low-temperature cooling fluid for external applications.
- The liquid storage tank and circulation pipeline are made of 304 stainless steel with excellent corrosion resistance.
- It uses fluorine-free environmental protection refrigerant, which meets international environmental protection refrigeration standards.

Customer Case



DLSB-20/30

Model Description

DLSB - 20 / 30

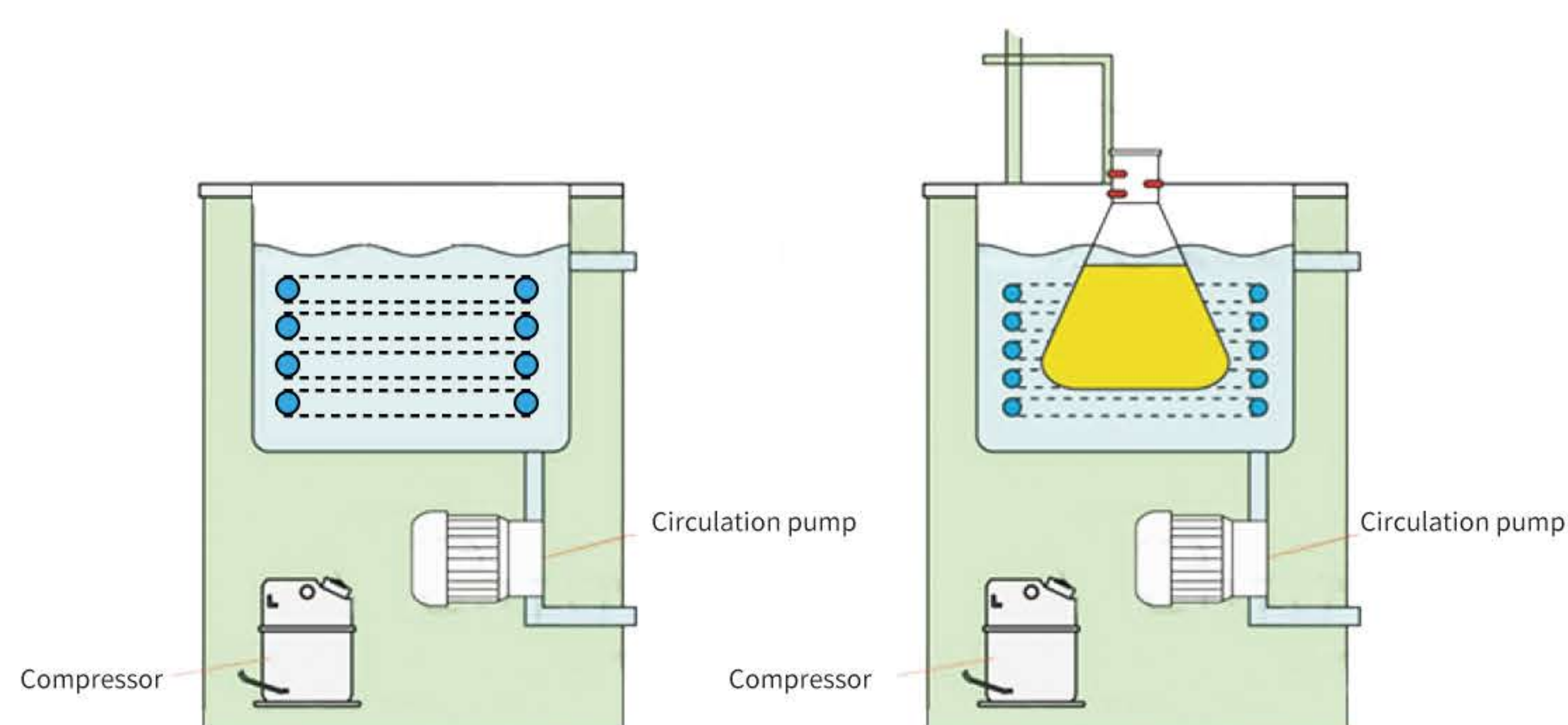
Minimum subzero temperature without load

Capacity of circulation tank

Product code



Dual Purpose



Used as a cooling cycle

Use as a cooling tank

The lower the temperature, the smaller the cooling capacity. When selecting a refrigeration product, please calculate the required cooling capacity based on the desired temperature range after testing, and then determine the technical specifications of the low-temperature cooling circulator to fully meet experimental requirements and maximize equipment efficiency.

Suggested Match



Rotary evaporator



Glass Reactor

-30°C Technical Parameters

Product number		DLSB-5/30	DLSB-10/30	DLSB-20/30	DLSB-30/30	DLSB-50/30	DLSB-100/30
Temp.range		-30°C-RT					
Voltage		220V ~50/60Hz(optional 110V)			3Phase 380V/220V/480V~50/60Hz		
Power(kW)		0.55	1	1.3	2.1	4	6
Cooling capacity (w)	25°C	875	2010	2800	4600	10500	15750
	0°C	650	1650	2300	3500	9300	13250
	-30°C	255	400	600	600	1300	1100
Temp.Sensor		PT100					
Safety protection		Overvoltage, time delay, overcurrent, overheating, leakage					
Refrigerant		R404A					
Evaporator type		Internally threaded copper pipe					
Circulation pipe size (DN)		G1/2"-OD11mm		G1/2"-OD14mm	G1/2"-OD16mm		G3/4"-OD19mm
Fan type		Outer Rotor Axial Fan					
Cooling type		Air cooled					
Compressor power (kW)		0.4	0.75	1.125	1.875	3.75	5.25
Current (A)		2	3.4	5.1	8.5	7.5	10.5
Volume (L)		5	10	20	30	50	100
Lift (m)		6	6	6	6	6	12
Flow (L/min)		25	25	25	25	25	35
Dimensions (mm)		480*350*680	540*420*800	570*490*840	630*530*1000	730*630*1190	975*760*1330
Weight (Kg)		42	57	71	88	140	180
Install list		One valve, one roll of raw material tape/3.6M silicone tube with insulation/one instruction manual					
Remark		All data are measured data in the factory, users will have errors in the process of use					

-40°C Technical Parameters

Product number		DLSB-5/40	DLSB-10/40	DLSB-20/40	DLSB-30/40	DLSB-50/40	DLSB-100/40
Temp.range		-40°C-RT					
Voltage		220V ~50/60Hz(optional 110V)		380V （optional 3Phase 220V/480V）~50/60Hz			
Power(kW)		0.9	1.3	2.4	3.2	5.3	6
Cooling capacity (w)	25°C	1900	2800	5625	7500	12775	17000
	0°C	1000	2500	4600	6180	11575	15500
	-40°C	170	550	900	900	1200	2300
Temp.Sensor		PT100					
Safety protection		Overvoltage, time delay, overcurrent, overheating, leakage					
Refrigerant		R404A					
Evaporator type		Internally threaded copper pipe					
Circulation pipe size (DN)		G1/2"-OD11mm		G1/2"-OD14mm	G1/2"-OD16mm		G1/2"-OD19mm
Fan type		Outer Rotor Axial Fan					
Cooling type		Air cooled					
Compressor power (kW)		0.75	0.975	2.25	3	5.25	5.25
Current (A)		3.4	8	5	6	10	10
Volume (L)		5	10	20	30	50	100
Lift (m)		6	6	6	6	6	10
Flow (L/min)		25	25	25	25	25	35
Dimensions (mm)		480*350*680	580*490*860	630*530*1000	630*530*1000	730*630*1190	960*770*1330
Weight (Kg)		45	71	96	105	142	180
Install list		One valve, one roll of raw material tape/3.6M silicone tube with insulation/one instruction manual					
Remark		All data are measured data in the factory, users will have errors in the process of use					