LNEYA®

Low Temp. CHILLERS

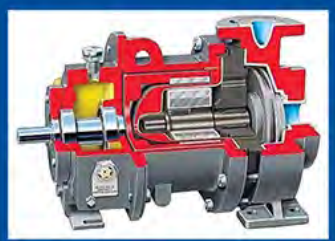
CDLJ Series

Temp. control -110°C~-50°C

Color Touch Screen
Large touch screen
Curved form shows
real-time temp. changes

Brand Compressor
Adopt brand compressor,
Expansion valve combined
with control to ensure stable
temperature

Circulating Pump
With magnetic pump, no
mechanical shaft seal
Solve the problem of
circulating pump leakage



Totally Closed Loop

Low temp. does not absorb water in the air
Ensure the purity of the medium

Security Alarm

Self-diagnosis of security functions
Timely alarms are displayed

Wide Temp. Control

Medium-sized single-fluid temp. control
Temp. control range -150°C~-5°C

Curve Temp. Control

Automatic control, temp. curve display
Support temp. record U disk export

Typical Applications

High pressure reactor cold source
Double glass reactor cold source
Double layer reactor cold source
Microchannel reactor cold source
Small cold source low temperature
Distillation system low temperature
Low temp. weathering test of materials
Combined chemical cold source
Semiconductor equipment cooling
Vacuum chamber refrigeration

Plate Heat Exchanger
Heat exchanger to improve the heat exchange efficiency per unit area

Temperature Control
Continuously adjust PID parameters
Gives better control over temperature and response time

Communication Interface
Standard PT100
USB interface
RS485
Optional
Various analog interfaces
Ethernet interface

CDLJ Series

Model	CDLJ 2W	CDLJ 3W	CDLJ 4W	CDLJ 6W	CDLJ 10W	CDLJ 15W	CDLJ 20W	CDLJ 30W	CDLJ 45W	CDLJ 60W
Temp. Range	-110°C~-50°C									
Cooling Capacity at -105°C	2kW	3kW	4kW	6kW	10kW	15kW	20kW	30kW	45kW	60kW
	1720 kcal/h	2580 kcal/h	3440 kcal/h	5160 kcal/h	8600 kcal/h	12900 kcal/h	17200 kcal/h	25800 kcal/h	38700 kcal/h	51600 kcal/h
Circulation Pump Info	6.6m³/h 1.2bar	6.6m³/h 1.2bar	6.6m³/h 1.2bar	15m³/h 2.5bar	15m³/h 2.5bar	15m³/h 2.5bar	25m³/h 2.5bar	35m³/h 2.5bar	35m³/h 2.5bar	35m³/h 2.5bar
Inlet&outlet connection size	DN-25	DN-32	DN-40	DN-40	DN-50	DN-50	DN-50	DN-65	DN-65	DN80
Cooling Water At 30 degree	10m³/h DN40	14m³/h DN40	20m³/h DN50	25m³/h DN65	35m³/h DN80	45m³/h DN80	65m³/h DN100	90m³/h DN125	120m³/h DN150	180m³/h DN150
Cold Storage tank (optional)	100L	150L	150L	250L	400L	500L	500L	750L	1000L	1500L
Expansion tank (standard)	50L	75L	100L	150L	300L	300L	300L	400L	550L	800L
Compressor	Emerson Copeland、Dorin semi-closed compressor、Carlyle									
Safety Protection	Plate heat exchanger									
Refrigerant	R404A /R507C									
Secondary refrigerant	Non-corrosive liquid, aqueous ethanol solution, aqueous glycol solution, etc.									
Safety Protection	High pressure protect; water supply cut-off protection; over-current protection; leakage protection; sequential and phase failure protection; High temperature protection; Sensor Failure protection etc. multi-safety protection									
Level Indicator	Adopt glass liquid level indication									
Piping material	Expansion tank, cold storage tank and circulation pipeline are all made of SUS304									
Case material	Channel steel + square tube + cold rolled plate sealing plate Spray									
Operation Panel	7-inch color touch screen display, temperature curve record									
Control System	PLC&Module									
Circulation Pump	LNEYA Mangetic Pump									
Evaporator	Casing type water-cooled condenser / tube-type water-cooled condenser									
Condenser	AORI plate heat exchanger									
Refrigeration accessory	Oil separators, drying filters, mirrors, etc. use Emerson/Danfoss and other brands									
Electric	AC contactors, intermediate relays, circuit breakers, etc. are Schneider / ABB brand									
Closed Circulation System	The whole system is a full closed circulation, there is no oil mist at high temperature and no water vapor at low temperature, pressure do not rise up when system is running. The system will supplement oil automatically at low temperature									
Dimension cm	100*150 *185	200*145 *205	200*145 *205	250*145 *225	250*145 *225	350*160 *205	380*160 *205	400*160 *225	500*200 *225	650*200 *225
Power max 380V 50HZ	14kW	18kW	30kW	43kW	69kW	101kW	136kW	200kW	295kW	396kW
dB	within 75 dB		within 80 dB			within 90 dB				
Weight(kg)	950kg	1100kg	1400kg	1800kg	2200kg	3000kg	3500kg	4000kg	5000kg	6000kg
Throttle type	Electronic expansion valve									

Wuxi Guanya Refrigeration Technology Co., Ltd. (LNEYA) specialized in the Industrial Chiller, Industrial Refrigerator, Multi-reactor Chiller (TCU), Battery Motor / Semiconductor Temperature Testing System and Ultra-low Temperature Chiller.Used in pharmaceutical, aerospace, semiconductor, new energy automotive battery / motor and other industries.

About Us

The company is at the advanced level in the same industry in the research and development of single-machine cascade refrigeration technology, and the research on high and low temperature rapid temp. rise and temperature technology is at the international advanced level. In particular, the high-precision temp. control of the reactor is an internationally advanced single medium control -90~+250°C continuous temperature control, and high precision linear control of the reactor material temp.

300 million
Annual sales

15 years
R&D experience