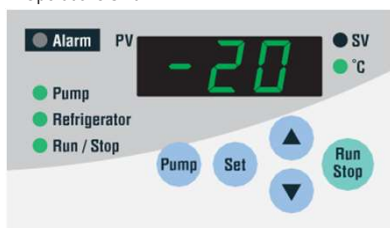


Low Temp. Circulation Bath **CCA-1112A** · **CCA-1112A CE** *CoolAce*[®]



CCA-1112A

■ Operations Unit



Recommended system example

1 unit of CCA-1112A are able to circulate to the rotary evaporator and solvent recovery unit's condenser, allowing efficient pumping of exhaust from diaphragm vacuum pumps. Space-saving installation is possible.

Environmental Regulatory Measures System Code: SYS09432



Description	Model	Cat. no
Rotary evaporator	N-1300E-W	266510
Low Temp. Circulator	CCA-1112A	268450
Vacuum pump	NVP-1000	261800
Solvent recovery unit	DPE-1250C	271240
NVC comm. Cable (1m)	COM-1M x 4pcs	269460
NVC branch box	F-BOX	269620
Cooling hose set	ID9mm, 2m	112700
Cooling hose set	ID9mm, 1m x 2pcs	112690
Vacuum hose	ID6 x OD15mm, 5m	119170

Total system power capacity: 21.6A, required number of outlets: 3

Slim and space saving

- The wide temp. setting range of -20 to 30°C, and thus, it can be used for various purposes. The compact size of the installation area is 205W x 445D (mm), so it does not take up much space even if it is installed on, below, or sideways of a draft chamber / laboratory table.
- The capacity of CCA-1112A is powerful enough to operate with evaporator (N-1300/N-1210B up to 1L sample flask) + aspirator (for water-based samples) or evaporator (N-1300/N-1210B up to 500mL sample flask) + solvent recovery unit (for solvent based samples).
- Interlocking with system peripherals is possible by connecting to a vacuum controller (NVC-3000). When the system operation is stopped, the circulation pump is paused. While the tank is on standby, the temperature inside the tank is controlled and the piping is circulated on a regular basis, so it can be used immediately when the operation is resumed.
- By connecting to the rotary evaporator N-1210B series with a dedicated communication cable (option), it is possible to link with the evaporator (start / stop operation) without using the vacuum controller NVC-3000.
- It is a product that complies with the RoHS directive.

POINT

By connecting to the vacuum controller NVC-3000, interlocking between devices (evaporator, cooling water circulator, vacuum pump, etc.) is possible. When the vacuum controller is stopped, the cooling water circulator also stops (standby), reducing condensation caused by overcooling of the evaporator cooler.

Model	CCA-1112A	CCA-1112A CE
Cat. No.	268458	274758
Cooling / Circulation	Air cooled / Closed system	
Temp. setting range	-20 ~ 30°C (without heater)	
Temp. control accuracy	±2°C (setting -20 ~ -1°C), ±1°C (setting 0 ~ 20°C)	±2°C (setting -20 ~ -1°C), ±1°C (setting 0 ~ 30°C)
Cooling capacity (Liquid temp. at)	10°C	450W
	0°C	400W
	-10°C	310W
External circulation capacity (50 Hz)	Max. flow rate 9L/min, Max. lifting 4.2m ±0.5	
Temp. control	Refrigerator ON-OFF control	
Temp. setting/display	Sheet key input / digital display, min. digit 1°C	
Safety feature	Leak / over-current breaker, Refrigerator overload relay, Refrigerator protection timer, Temp. self-diagnosis control, Pump thermal protector	
External input / output	Comm. terminal for vacuum controller (NVC-3000) Comm. terminal evaporator (N-1210B)	
Refrigerator · Refrigerant	Air cooled output 450W · R404A	
Cooling coil	SUS316L	
External circulation nozzle	One-touch connector ID 10 mm, One-touch hose nozzle OD 10 mm	
Tank material · Dimension · Capacity	SUS304, 130W×230D×115H (mm) · About 3.2L (Liquid volume approx. 2.7L)	
Ambience use: Temp.	5 ~ 35°C	
Ambience use: Humidity	20 ~ 80% (indoor use only)	30 ~ 75% (indoor use only)
Dimension · Weight	205W×445D×545H (mm) · Approx. 28kg	
Power input · Voltage	4A · 0.8kVA · AC220V 50Hz	
CE certified	No	Yes

※Performance is the value at room temperature 20°C, clean water, rated power supply voltage, 50Hz, and no load. ※Cooling capacity is ± 10% of display capacity. ※ External circulation capacity is ± 10% of display capacity. ※ When setting the liquid temperature to 10°C or less, use a heat medium for low temperature. ※ Pure water cannot be used

POINT

Space saving and easy to use

Space-saving type and easy to install.

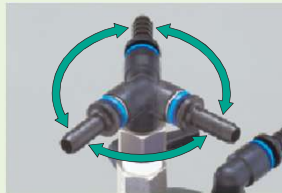
Can be installed in narrow spaces such as above, below, and sideways of the lab table.



Designed for Easy-to-use



The filter is made of a material that does not deteriorate even when washed with water. Open the louver and it can be easily replaced.



Easy connection by simply inserting the cold insulation hose. No tools or bands required. The orientation of the circulation nozzle can be changed 360°, reducing the load on the tube.



Water droplets due to frost formation during liquid circulation at low temperature are received by the tray at the nozzle.

External input / output terminal

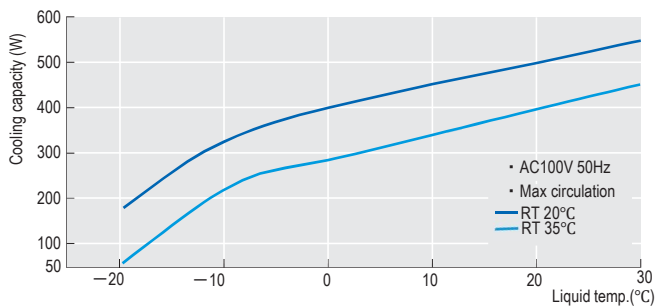


Comm. terminal for vacuum controller NVC-3000

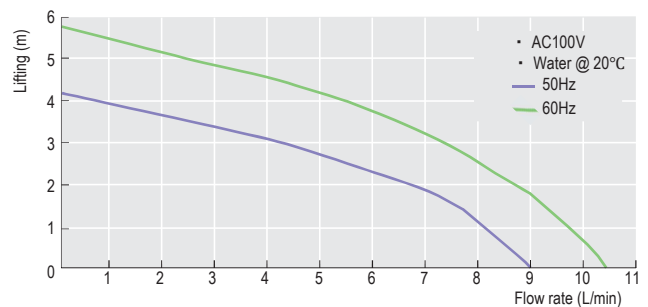
Comm. terminal for evaporator N-1210B

DATA

■ Cooling capacity curve



■ External circulation capacity curve



OPTIONS



Metal nozzle set (2 sets)
A set of metal circulation nozzle and elbow.
(Nozzle elbow Rc3/8, OD 10.5 mm)
Cat. No.242420



Ball valve
R3 / 8 x Rc3 / 8, copper nickel plating
Cat. No.247190

Cart

For moving of CCA-1112A
Cat. No.260460

Fixing bracket

Attach and fix the L-shaped bracket to the bottom of both sides of the product.
Cat. No.260470

EYELA

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※ Disclaimer: This is a translation copy of the Japanese version and if there are differences, the Japanese version shall prevail.