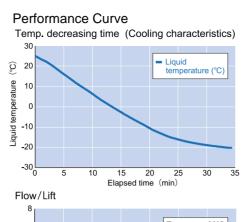
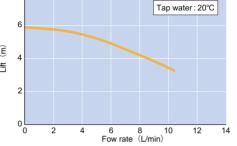
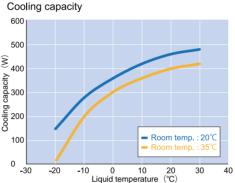
Specifications

Pro	oduct Code	221629	
Model		CF302L-E	
Circulation type		Closed circulation	
Circulating water		Tap water, nybrine (liquid temperature below 10°C)	
Ор	eration temperature range	5°C to 35°C	
Performance	Temperature control range*1	-20°C to 30°C	
	Temperature adjustment accuracy	JTM K05±1.0°C (≧0°C) JTM K05±1.5°C (<0°C)	
	Temperature fluctuation	JIS 3.0°C (≧0°C) JIS 4.0°C (<0°C)	
	Cooling capacity	Approx. 420W at 10°C liquid temp. Approx. 280W at -10°C liquid temp.	
	Max. flow rate (60Hz)	Approx. 10 L/min	
	Max. lift (60Hz)	Approx. 5.7m	
	Temperature control	Refrigerator ON/OFF control	
	Temperature sensor	Ρt100Ω	
tion	Temperature setting/display	White LED digital display, key input, minimum digit 1°C	
Configuration	Refrigerator and refrigerant	Air-cooling 450W, R404A	
		One-touch connector (Flexible rotary L type) Top rear, 1 system	
	External circulation nozzle	Outer diameter ϕ 10 mm rigid hose connection (Inner diameter ϕ 9 mm flexible hose mountable with attached hose nozzle	
	Water circulating pump	Magnet pump 15W (60Hz)	
Safety features		Electric leakage breaker, temperature sensor abnormality, Temperature upper/lower limit alarm, Temperature upper/lower limit abnormality, Refrigerator overload relay, Fan motor protection, Pump thermal protector, Refrigerator protection delay timer	
Other features		Drainage hose, Circulation port condensation water drainage hose, Intake port dustproof filter, Cooling operation switch, Circulation pump switch, Calibration offset, Power failure recovery function (selected)	
Standard	Inner tank material	Stainless steel	
	Inner tank capacity	Approx. 3.9L (liquid volume 3.5L)	
	External dimensions (W×D×Hmm)	205×396×535	
	Weight	Approx. 31 kg	
	Power source (60Hz)	AC115V 7.5A	
Accessories		Two hose nozzles (for flexible hose connection), One condensation waterdrainage hose 1m (inner diameter ϕ 12 mm) Two clamps for hose fixing	











Amazing Price, Performance, Design

Optional Items

it may not be able toreach -20°C.

۱o.	Product Name	Specificatioons	Model	Product Code
1	Heat insulated circulation hose	Inner diameter 9mm, ethylene propylene (soft) hose (2m) 2 pcs., clamps 4pcs.	OCF12	221581
2	Heat insulated circulation hose	High heat insulation, inner diameter 9mm, silicone (soft) hose (2m) 2pcs., clamps 4pcs.	OCF62	221599
3	Heat insulated circulation hose	Outer diameter 10mm, polyurethane (hard) tube (2m) 2pcs.	OCF78	281475
4	L shaped circulation nozzle	φ8mm R3/8 SUS304	OCF80	281476
(5)	L shaped circulation nozzle	¢10.5mm R3/8 SUS304	OCL30	221396
6	L shaped circulation nozzle	¢13mm R3/8 SUS304	OCL40	221397
7	L shaped circulation nozzle	¢16mm R3/8 SUS304	OCL50	221398
8	Flow control valve	R3/8	OCF82	281477
9	External linkage input terminal*2	Operation/stop by no-voltage A contact input	OCF96	281484
10	One touch connector	Straight one-touch connector R3/8×outer diameter ϕ 10mm for hard tubes	OCF88	281480
(1)	One touch connector	L-shaped swivel type one-touch connector R3/8×outer diameter ϕ 10mm for hard tubes	OCF90	281481
(12)	Strainer set	Y-type strainer (20 mesh, Rc3/8) +Outlet connection tube	OCF92	281482
(13)	Hose nozzle	Connection from outer diameter 10mm hard tube to inner diameter 9mm soft hose*3	OCF94	281483



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Temperature control range: -20°C to 30°C

• Neocool is a registered trademark of Yamato Science Co., Ltd.



Cooling Water Circulator (Externally Closed Circulation) Neocool[®] Circulator **CF302L**



Cooling Water Circulator (Externally Closed Circulation) CF302L

Cooling of the heat generating parts by closed circulation in various applications such as research equipment, industrial machinary, analysis and measuring instruments!

Optimal cooling system for rotary evaporator								
	• • • • • • • • • • • • • • • • • • •							



Temperature control range: -20°C to 30°C

• Neocool is a registered trademark of Yamato Science Co., Ltd.

Easy maintenance of the inlet filter

The front filter mounting plate is only fixed by a magnet, so it can be easily removed by pulling for cleaning. The sheet filter is easy to clean and remount.



New user friendly controller

A new controller with high visibility and improved operability with a high brightness white LED is adopted. Switching between measured temperature display and set temperature display is possible. The design is simple and easy to use.

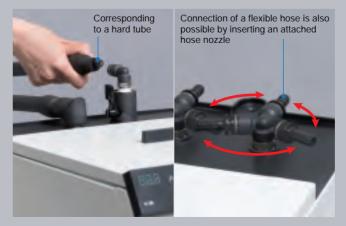
CF302L





Stress-free circulation connection

Connection is completed by inserting a hard tube (outer diameter of ϕ 10mm) only. The connector part is rotatable, so it can be turned freely and does not apply stress to the hose. Connection to a flexible hoses such as silicone hose (inner diameter of ϕ 9mm) is also possible by inserting the supplied hose nozzle.



CF302L



Safe drainage of condensation water

A drain for condensation water is provided near the connector on the upper rear side. Connect the provided drainage hose and utilize it to drain condensation water.

