

Neocool Circulator
CF301/301G/800/800G



CF301/CF800

- External closed system cooling water circulators with excellent cooling capacity.
- Convenient remote control (CF301G, CF800G)
- Suitable for Research, Industry, Analytical equipment, etc.

Model			
301	301G	800	800G
Operating Temperature Range			
-20 deg.C to Room Temp.			
Water tank capacity			
Approx. 4L (Liquid volume 3L)		Approx. 16L (Liquid volume 14L)	

- HFC refrigerant R404A is used, which corresponds to specific CFC regulations.
- Function for remote control is held to prevent the damage of circulation pump due to forgetting to stop the circulation system.
- Digital setting indicator is equipped.
- Over current circuit breaker, refrigerator overload relay, pump thermal protector, Refrigerator protection delay timer are installed.

■ Specifications

Model	CF301	CF301G	CF800	CF800G
Performance				
Circulation Type	Closed System Circulation By Pump			
Operating Temperature Range	-20 deg.C to Room Temp.			
Cooling Capacity	Approx. 450W (385Kcal/h) at liquid temp. 10 deg.C		Approx. 1050W (830Kcal/h) at liquid temp. 10 deg.C	
	Approx. 360W (380Kcal/h) at Liquid Temp. 0 deg.C		Approx. 910W (780Kcal/h) at liquid temp. 0 deg.C	
	Approx. 270W (230Kcal/h) at Liquid Temp. -10 deg.C		Approx. 670W (570Kcal/h) at liquid temp. -10 deg.C	
Components				
Temp. Control System	Refrigerator On/Off Control			
Temp. Sensor	T-Thermocouple (with SUS Protection Tube)			
Temp. Setting / Display	Digital setting /LED display			
Refrigerator / Coolant	Air Cooling 450W, R404A		Air Cooling 600W, R404A	
Circulation Pump (50/60Hz)	Magnet Pump 10/15W		Magnet Pump 65/65W	
Pump Max. Flow Rate (50/60Hz)	6.3/7.2L/min.		10.0/11.8L/min	
(Pump capacity)	(12.8/14.3L/min)		(22.0/22.0L/min)	
Pump Max. Lift (50/60Hz)	4.0/5.6m		10.3/14.3m	
(Pump capacity)	(4.1/5.7m)		(10.0/13.5m)	
Cooling Coil	Copper-Nickel Plated			
External Circulation Nozzle	O.D. □10.5mm for both Inner and Outer port (Hose Nipple)			
Ambient (Operation) temp. range	5 to 35 deg.C			
Safety Device				
Safety Countermeasures	Electric Leakage Breaker for Over Current Protection, Refrigerator Over Load Relay, Pump Thermal Protector, Refrigerator-protection Delay Timer Function			
Other Function	Drain, Over Flow			
External linkage terminal	-	AC24V Refrigerator/ Circulation pump ON/OFF switch terminal	-	AC24V Refrigerator/ Circulation pump ON/OFF switch terminal
Service socket	-		Socket for 5A vacuum pump	
Standard				
Water Bath Dimension	W151×D151×H17mm		I.D.300 x H235mm	
Water Bath material	Stainless steel			
Capacity	Approx.4L(Liquid volume 3L)		Approx.16L(Liquid volume 14L)	
Power Source (50/60Hz)	AC100V 6.5A (15A)		AC100V 15A (service socket 5A) (15A)	
External Dimension (W x D x H)mm	228×508×546	228 x 612 x 546	350 x 480 x 840	350 x 480 x 925
Weight	Approx. 32kg	Approx. 32.5kg	Approx. 54kg	Approx. 54.5kg
Accessories	Circulation hose 1.5m x 2pcs, wire clamp 2pcs, Lid		Circulation hose 3m x 1pc, wire clamp 2 pcs, Lid, exhaust hose 0.5m x 1pc	

■ Drain overflow



■ Control panel

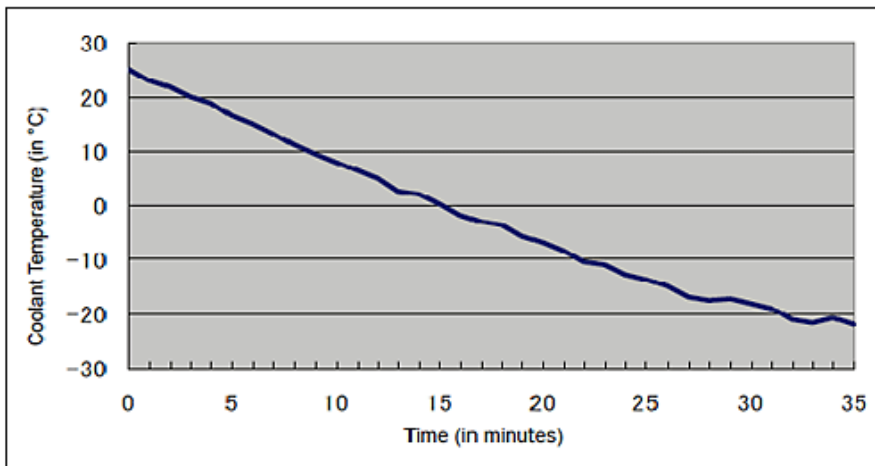


■ Remote control terminal box (CF301G)

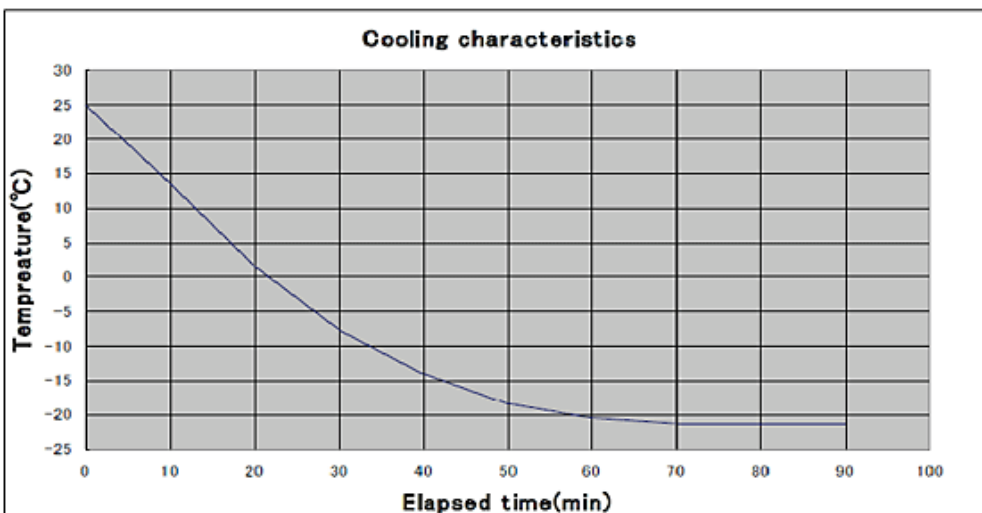


■ Cooling curve

Cooling Characteristics



Cooling characteristics



■ Optional Accessories

Description	Specification	Product Code
Remote control switch	-	281521
Circulation heat resistant hose	Ø9, length: 2m, 2pcs	221581
Straight circulation nozzle	Ø8 Rc3/8	221596
	Ø10.5 Rc3/8	221394
	Ø13 Rc3/8	221399
	Ø16 Rc3/8	221395
Straight rotating circulation nozzle	Ø10.5 straight 2pcs set	221681
	Ø13.7 straight 2pcs set	221682
	Ø10.5 L type 2pcs set	221683
	Ø13.7 L type 2pcs set	221684
Caster stopper	4pcs set	281440



Straight rotating circulation nozzle L type Straight rotating circulation nozzle L type device



Remote control switch

Circulation heat resistant hose