

DAIHAN® -35+150°C Internal/External Digital Precise Refrigerated/Heating Bath Circulator "MaXircu™ CL", ±0.2°C
 With Flat Lid, Digital Fuzzy Control, CFC-free, Certi. & Traceability, Capa. 8 · 12 · 22 · 30 Lit, Flow 25Lit/min, Lift 4m
 Ideal for Cooling/Heating Line of Facility, External Circulating Connect - od.12 & id.10mm, 정밀 냉동/가열 배스 겸용 써클레이터

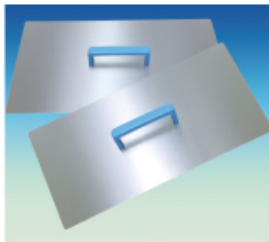


2-Year Warranty

-35°C ~ +150°C Refrigerated / Heating Bath Circulator
 Max. 8Lit, "CL-8" & Max. 12Lit, "CL-12"



External Circulation Nozzle



Flat Lid, Stainless-steel (Included)

- CE Certified ■ PL (Product Liability) Insurance
- with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System
- Advanced Refrigeration System Ensures Temperature Performance
- Digital Fuzzy Control System Implementing Superior Temperature Accuracy
- Patented Jog-Dial Control System and Capacitive Touch Button

- * Innovated Powerful Circulation Pump ensures Temp. Uniformity : Internal and External Circulation (Max Flow Rate : 25 Lit/min).
- * RS232C Interface for Remote Monitoring and Controlling with PC * All models Built in Caster
- * More Faster Cool-down Time * Urethane Foam Insulation * Proper Liquid Level Line in Bath
- * Connection with Evaporator or Viscometer is applicable
- * User's Self-compensation Function to Control Difference between Real Temperature and Indicated Temperature (±10.0°C).
- * Warning and Auto-Stop Function in case of Liquid Shortage.
- * Auto-controlled Refrigeration System for Compressor Protection and Power Saving.
- * Locking Mode Supported for Experimental Safety (Input to Jog-Dial can be Disabled)

Specifications & Ordering information

Spec.	Model	MaXircu™ CL-8	MaXircu™ CL-12	MaXircu™ CL-22	MaXircu™ CL-30
		Max. Capa. 8 Lit	Max. Capa. 12 Lit	Max. Capa. 22 Lit	Max. Capa. 30 Lit
Temp. Range & Accuracy		-35°C ~ +150°C, ±0.1°C			
Temp. Resolution		0.1°C-Display, 0.1°C-Control			
Temp. Uniformity & Probe		±0.2°C at -20°C, PT100			
Pump		Max Flow Rate : 25Lit/min(Controlled 5 Steps Flow Rate Speed), Max Pressure : 7.5 psi, Max Lift : 4m			
Bath Volume		8 Lit	12 Lit	22 Lit	30 Lit
Heating & Refrigerator		1 kW, 1/2HP	1.5 kW, 1/2HP	2 kW, 7/8HP	2.2 kW, 1HP
Cooling Capacity	at +20°C	500 W	530 W	860 W	1030 W
	at 0°C	340 W	370 W	620 W	760 W
	at -20°C	200 W	210 W	400 W	500 W
Refrigerant		CFC -Free(R-404A) Refrigeration System			
Total Power Consumption		1.7 kW	2.2 kW	3 kW	3.3 kW
Compressor Control		Intelligent Control of Refrigerator for preventing Compressor Overload			
External Circulation Nozzle		id.10.5 / od.12.5mm(For Inner Circulat. : to Connect directly the in-/outlet Nozzles)			
Timer & Alarm		99hr 59min (Delay & Continuous run), Error status & Timer-end			
Display		Digital LCD with Back-Light Function			
Controller		Digital Fuzzy Controller with Jog-Dial Knob (Turn+Push)			
Safety Circuit		Over-Temp./-Current protection, Sensor Error Detection, Leakage Breaker			
Material		Stainless-steel (# 304)-Internal, Powder Coated steel-External, 40 mm Thickness Urethane Foaming - Insulation			
Lid & Drain Valve		included Stainless-steel Flat Lid, Ball Valve, Optional Dome Lid			
Dimension (w×d×h)	Effective Space (mm)	175×153×150	230×181×150	290×220×200	330×290×200
	Internal (mm)	175×320×150	230×350×150	290×390×200	330×460×200
	External (mm)	400×523×807	400×523×807	483×563×850	494×633×906
Packing Size (mm) & Gross Weight (kg)		530×630×985	530×630×985	615×670×1025	630×740×1075
		50 kg	55 kg	65 kg	78 kg
Electrical Reqtts.		1 Phase, AC 120V, 60Hz or AC 230V, 50 / 60Hz			
Cat. No.	230V	DH.WCL00408	DH.WCL00412	DH.WCL00422	DH.WCL00430
	120V	DH.WCL00508	DH.WCL00512	DH.WCL00522	DH.WCL00530
Price, Each. ₩					

* Other Specifications are available upon Customer's Request.

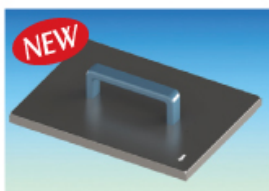
※ 운임 약 ₩ 16,000 별도!

Refrigerated Circulator with Validation (IQ, OQ) Service

	Ea. Price, ₩
DH.WCL30308 Validation Service(IQ, OQ), with "MaXircu CL-8", "CLBV208"	
DH.WCL30312 , with "MaXircu CL-12", "CLBV212"	
DH.WCL30322 , with "MaXircu CL-22", "CLBV222"	
DH.WCL30330 , with "MaXircu CL-30", "CLBV230"	

(1) Optional BTU Insulation Lid, T15mm(10mm BTU+5mm STS) NEW

	Ea. Price, ₩
DH.WCR.L008 BTU Insulation Lid, for CL-8 , 240×178×T15mm	
DH.WCR.L012 for CL-12, 316×206×T15mm	
DH.WCR.L022 for CL-22, 396×245×T15mm	
DH.WCR.L030 for CL-30, 436×316×T15mm	



(1) BTU Insulation Lid (Optional)

※ See page 72 for the Cooling/Heating Transfer Fluid & Circulation Hose ;

▶ Therminol D12® -85+230°C Cooling/Heating Transfer Fluid

▶ SYN THERM 22L® -5+320°C Heating Transfer Fluid

▶ Insulated External Circulating Tubing

※ Note : Cooling Transfer Fluid Should be an Antifreezing Solution