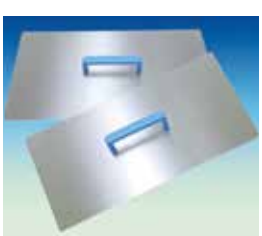
DAIHAN-brand® −25℃~+150℃ Digital Precise Refrigerated/Heating Bath Circulator "MaXircu™ CR", ±0.2℃ with 1×Flat Lid/Digital Fuzzy Control/CFC-free Refrigeration/Certi. & Traceability, Flow 25Lit/min, Lift 4m, 8-/12-/22-/30- Lit. Ideal for Evaporators, etc., with External/Internal Circulating Connect - od.12/id.10mm, 정밀 냉동/가열 배스 겸용 써큘레이터

−25℃ ~ +150℃ Refrigerated / Heating Bath Circulator "MaXircu™ CR-8" & "MaXircu™ CR-12"

External Circulation Nozzle



Flat Lid, Stainless-steel (Included)

- ***Made in Korea*** ■ ***CE Certified*** ■ ***PL (Product Liability) Insurance***
- ***with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System.***
- ***Advanced Refrigerating System Ensures Temperature Performance.***
- ***Digital Fuzzy Control System Implementing Superior Temperature Accuracy.***
- ***Innovated Powerful Circulation Pump ensures Temp. Uniformity : Internal and External Circulation (Max Flow Rate : 25 Lit./min.).***
- ***Controlled 5 Steps Circulation speed(Flow Rate).***
- ***Innovated Refrigeration System, CFC-free (R-404A).***
- ***Patented Jog-Dial Control System and Capacitive Touch Button, Digital LCD with Back-Light Function.***
- ***External & Internal Circulation : Possible.***

∗ For Inner Circulating : to Connect directly the In-/outlet Nozzles.
∗ RS232C Interface for Remote Monitoring and Controlling with PC.
∗ More Faster Cool-down Time. ∗ Urethane Foam Insulation.
∗ All models Built in Caster. ∗ Proper Liquid Level Line in Bath.
∗ User's Self-compensation Function to Control Difference between Real Temperature and Indicated Temperature (±10.0℃).
∗ 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™ CR-8	MaXircu™ CR-12	MaXircu™ CR-22	MaXircu™ CR-30
Temp. Range & Accuracy		−25℃~ +150℃, ±0.1℃			
Temp. Resolution		0.1℃-Display, 0.1℃-Control			
Temp. Uniformity & Probe		±0.2℃ at −10℃, 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 Power		1 kW	1.5 kW	2 kW	2.2 kW
Refrigerator		1/3HP	1/3HP	1/2HP	3/4HP
Cooling Capacity	at +20℃	300 W	380 W	680 W	850 W
	at 0℃	200 W	250 W	500 W	620 W
	at −20℃	110 W	130 W	300 W	400 W
Refrigerant		CFC -Free(R-404A) Refrigeration System			
Total Power Consumption		1.6 kW	2 kW	2.7 kW	3 kW
Compressor Control		Intelligent Control of Refrigerator for preventing Compressor Overload			
Pump		Max Flow Rate : 25Lit./min, Max Pressure : 7.5 psi, Max Lift : 4m			
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, 40mm 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)	330×474×752	400×523×807	483×563×850	494×633×906
Packing Size (mm) & Gross Weight (kg)		560×420×922	630×530×972	670×615×1022	740×625×1072
		45 kg	54 kg	63 kg	70 kg
Electrical Reqts.		1 Phase, AC 120V, 60Hz or AC 230V, 50 / 60Hz			
Cat. No.	230V	DH.WCR00408	DH.WCR00412	DH.WCR00422	DH.WCR00430
	120V	DH.WCR00508	DH.WCR00512	DH.WCR00522	DH.WCR00530
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.WCR30308	Validation Service(IQ, OQ), with "MaXircu CR-8", **"CRBV208"**	
DH.WCR30312	, with "MaXircu CR-12", **"CRBV212"**	
DH.WCR30322	, with "MaXircu CR-22", **"CRBV222"**	
DH.WCR30330	, with "MaXircu CR-30", **"CRBV230"**	

▶ Therminol D12® Cooling / Heating Transfer Fluid, Clear / Harmless : See page 28

▶ Insulated External Circulating Tubing : See page 35