

DAIHAN-brand® -30°C +200°C Precise Refrigerated Heating External Circulators "MaXircu™ WHR", Lift 38m, ±0.2°C
 Ideal for 5~100 Lit Reactors, Heating Line, etc., with Pre-Cooling Sys, Can be used with External Direct Contact K-type Temp. Probe(Optional)
 with High Quality Magnetic Pump, Flow 20-/40-/60-Lit/min, 정밀 고온/냉동 겸용 외부 써클레이터



-30°C ~ +200°C Refrigerated / Heating External Circulator, "MaXircu™ WHR-50"



Assembly-type Safety Connection Ports/Pipe, for Fluid In/Out-let ; ISO RC 1" Thread, Located On Rear-Upper Panel



▶ Figure ; One of the Applications in the Reactor System.

- Made in Korea
- PL(Product Liability) Insurance
- Max. Lift : 38m
- Ideal for Various Size Reactor-system.
- Built in Magnetic Pump ensures Long-life Time.
- with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System
- Digital Fuzzy Control System Implementing Superior Temperature Accuracy
- Can be used with External Direct Contact K-type Temp. Probe(Optional)
- Innovated Powerful Circulation Pump ensures Temp. Uniformity : Internal and External Circulation (Max Flow Rate : 20-/40-/60-Lit./min.)
- Assembly-type Safety Connection Ports/Pipe (for Fluid In/Out-let : ISO RC 1" Screw Stainless-steel.)
- Patented Jog-Dial Control System and Digital LCD with Back-Light Function.
- With High Quality Shock-proof Caster for Convenient and Safe Moving.
- Independently 3-systems : Refrigerating System, Heating System, Pre-Cooling System.
- Embedded External Nozzle Part for the Prevention of Nozzle Damaged.
- Stainless-steel Internal Bath for Prevention of Corrosion.

- * Urethane Foam Insulation
- * Warning and Auto-Stop Function in case of Liquid Shortage.
- * More Faster Cool-down and Heat-up Time
- * Connection with Evaporator or Viscometer is applicable.
- * Wide-range Filling Volume 10Lit./18Lit./25Lit.
- * Useful for 5~100Lit. Various Reactors and Evaporators.
- * High Quality Magnetic Pump : Max Flow Rate 20-/40-/60-Lit/min and Max. Pressure 4 bar

Specifications & Ordering information

Spec.	Model	"MaXircu™ WHR-20"	"MaXircu™ WHR-50"	"MaXircu™ WHR-100"
Temp. Range & Stability		-30°C~ +200°C-Range, ±0.2°C(at 15°C)-Stability		
Heat-Fluid Filling Volume		10 Lit. max	18 Lit. max	25 Lit. max
Useful for 5~100Lit Reactors, etc.		for 5~20Lit Reactor, etc.	for 20~50Lit Reactor, etc.	for 50~100Lit Reactor, etc.
Refrigerator Capacity		4.5 kW	7.5 kW	18 kW
Heater		2.5 kW	6.0 kW	12 kW
Lid & Top Opening Dia.		φ80 mm		
Fluid In/Out-let Connector		ISO RC 1" (English System AG 1") Thread, Stainless-steel		
Pump Power, Max. Flow Rate		20 Lit/min	40 Lit/min	60 Lit/min
Lift Height, m Max. Pressure & Lift		Max Pressure : 4 bar, Max. Lift : 38m		
Cooling Capacity	at +15°C	8.1 kW	13.1 kW	22.7 kW
	at 0°C	4.3 kW	7.3 kW	12.6 kW
	at -25°C	1.4 kW	3.1 kW	5.45 kW
External Dimension		550×630×h1060 mm	700×790×h1270 mm	770×1100×h1500 mm
Optional External Temp. Sensor K-type Probe		Can be used with External Direct Contact K-type Temp. Probe. (Optional)		
Material		Stainless steel-Internal, Powder Coated steel-External		
Electrical Reqts.		3Phase 380V		
Cat. No.		DH.WHR0020	DH.WHR0050	DH.WHR0100
Price, Each. ₩				

* Other Specifications are available upon Customer's Request. ※ 운임 약 ₩ 20,000 별도!

Therminol D12® -85+230°C Best COOL-/HEAT-ing Transfer Fluid, Synthetic Hydrocarbon Mixture
 for Low/High-Temp Baths, Clearly Harmless Liquid, Low Odor FDA Grade, 4/18/200Lit, 냉매/열매 겸용 합성 탄화수소혼합물(액체)



- Supplied by "Eastman" USA
- Clear, Water white Liquid / Non-Toxic / Low-Smell, FDA-Grade.
- The Best Circulation Properties / Thermal Stability.
- The Lowest Viscosity, cP ▶ (1) -50°C : 12cP, (2) 100°C : 0.46cP, (3) 200°C : 0.19cP, (4) 230°C : 0.16cP
- * Specific Gravity : 0.759 at 25°C
- * Autoignition Temp : 247°C
- * Flash Point : 62°C
- * Freezing Point : -94°C
- * Boiling Point(90%) : 204°C
- * Package : (1) 4Lit. and (2) 18Lit. PE Square Bottle / Subdivision, Original-200Lit. Steel Drum / 155kg

SL.CirD12.1	(1) "Therminol D12" Cool/Heat Transfer Fluid, -85 +230°C, 4 Lit.	4ℓ .dh pk ₩	4Lit
SL.CirD12.2	(2) "Therminol D12" Cool/Heat Transfer Fluid, -85 +230°C, 18Lit.	18ℓ .dh pk ₩	18Lit
SL.CirD12	"Therminol D12" Cool/Heat Transfer Fluid, -85 +230°C, 200Lit./Drum	Drum Price, ₩	200Lit

※ 운임 약 ₩ 25,000 별도!