

SciLab<sup>®</sup> -30°C +200°C Precise Refrigerated Heating External Circulators "WiseCircu<sup>®</sup> SHR", 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~ +200°C Refrigerated/Heating External Circulator, "WiseCircu<sup>®</sup> SHR-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.

※ Note : Cooling Transfer Fluid Should be an Antifreezing Solution

- 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	"WiseCircu <sup>®</sup> SHR-20" Useful for 5~20Lit Reactor, etc.	"WiseCircu <sup>®</sup> SHR-50" Useful for 20~50Lit Reactor, etc.	"WiseCircu <sup>®</sup> SHR-100" Useful for 50~100Lit Reactor, etc.
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		600×750×h1100 mm	650×850×h1300 mm	750×900×h1500 mm
Optional External Temp. Sensor K-type Probe		Can be used with External Direct Contact K-type Temp. Probe. (Optional)		
Material		Internal : Stainless-steel, External : Powder Coated steel		
Electrical Reqts.		3Phase 380V		
Cat. No.	60Hz	SL.SHR0020	SL.SHR0050	SL.SHR0100
	50Hz	SL.SHR0025	SL.SHR0055	SL.SHR0150

• Other Specifications are available upon Customer's Request.

※ 운임 약 ₩ 20,000 별도!