

Heating Mantle

Usage

Besides laboratory-standard glasswares, the usage includes heating, warming, and insulation of special containers such as metal containers, pipes, and reactors.

Special Features

- Products installed temperature voltage controller.
 - → SHMP Series Control Method : Proportional Voltage Control.
 - * Based on the user's need, before using, the temperature should be controlled by using a separate thermometer
- As the heated part (heated object) is hand-weaved using fiber glass,
- Fire is prevented by a built-in Thermal protector, which automatically shuts down the product in case the inside temperature exceeds an appropriate temperature.
 - → The product resumes normal operation when the inside temperature returns to normal.
- Thermal Insulation uses nontoxic asbestos-free ceramic wool(fiber glass).
 - → There are two kinds of heated part shape like flask type and beaker type.

TECHNICAL DATA			
Case Construction	Steel, with chemically resistant powder coating		
Thermal Insulation	Asbestos-free ceramic wool. (fiber glass)		
Heating Element	Ni-chrome wire		
Mantle	Woven glass fiber mat		
Heating Element Temperature	Up to 450 °C, Maximum		
Supply Voltage &	AC 110 ~ 220V(or 220 ~ 230V), 50/60Hz		

Model Capacity(nt)	SHMP-F (Flask Type) Catalog Number	SHMP-B (Beaker Type) Catalog Number	WATTAGE
100	SHMP-F10	SHMP-B10	85
200/250/300	SHMP-F20/ 25 /30	SHMP-B20/ 25 /30	150
500	SHMP-F50	SHMP-B50	230
1,000	SHMP-F100	SHMP-B100	330
2,000	SHMP-F200	SHMP-B200	470
3,000	SHMP-F300	SHMP-B300	570
5,000	SHMP-F500	SHMP-B500	850
10,000	SHMP-F1000	SHMP-B1000	1,400
20,000	SHMP-F2000	SHMP-B2000	1,800



Combination(Extraction) Mantle

Usage

- Experiments in the areas of food, environment, textile, chemistry and petroleum.
- This is used in various experiments involving extraction, distillation, circulation, reactors, etc.

Special Features

- This combination type help you save time and this is also suitable for comparison and analysis tests, as it enables you to successfully make multiple tests simultaneously.
- As the heated part (heated object) is hand-weaved using fiber glass.
- Fire is prevented by a built-in Thermal protector, which automatically shuts down the product in case the inside temperature exceeds an appropriate temperature.
- Thermal Insulation uses nontoxic asbestos-free ceramic wool(fiber glass).
- Because the durable body finish is painted with KARUMEL powder material, the surface resists peeling, scratching and staining.

TECHNICAL DATA			
Case Construction	Body: Steel, with chemically resistant powder coating Cover: High-grade stainless steel		
Thermal Insulation	Asbestos-free ceramic wool. (fiber glass)		
Heating Element	Ni-chrome wire		
Mantle	Woven glass fiber mat		
Heating Element Temperature	Up to 450 °C, Maximum		
Supply Voltage & Frequency	AC 110 ~ 220V(or 220 ~ 230V), 50/60Hz		

	SCMD		SCMS		
Model Capacity(₪ℓ)	SCMD-3H Catalog Number	SCMD-6H Catalog Number	SCMS-3H Catalog Number	SCMS-6H Catalog Number	WATTAGE
200/250/300	SCMD- F20/ 25 /30 -3H	SCMD- F20/ 25 /30 -6H	SCMS- F20/ 25 /30 -3H	SCMS- F20/ 25 /30 -6H	140 Watts x 3 or 6 Holes
500	SCMD-F50- 3H	SCMD-F50- 6H	SCMS-F50- 3H	SCMS-F50- 6H	220 Watts x 3 or 6 Holes
1,000	SCMD- F100-3H	SCMD- F100-6H	SCMS- F100-3H	SCMS- F100-6H	300 Watts x 3 or 6 Holes

Our ceaseless R&D and improvements may result in specification changes at any time. Different size, specification and color is always available in accordance with customer's request.



Heating Mantle





Usage

- Besides laboratory-standard glasswares, the usage includes heating, warming, and insulation of special containers such as metal containers, pipes, and reactors.
- At a pilot plant, it can be installed with various shapes on various equipments, and it can also be used with a magnetic stirrer.(SHMC Series)

Special Features

- This product is a general product that does not have a temperature voltage controller.
- It must be used with a separate temperature controller.

SHMR Sories

- Fire is prevented by a built-in Thermal protector, which automatically shuts down the product in case the inside temperature exceeds an appropriate temperature.
- Because the durable body finish is painted with KARUMEL powder material, the surface resists peeling, scratching and staining.

SHMC Series

- The external case of products is made of Fiber Glass Cloth, so → they are light, → installation of products is very easy in every different environment.
- There are two kinds of heated part shape like flask type and beaker type.

TECHNICAL DATA			
Case Construction	Steel, with chemically resistant powder coating(SHMR Series) Fiber Glass Cloth.(SHMC Series)		
Thermal Insulation	Asbestos-free ceramic wool. (fiber glass)		
Heating Element	Ni-chrome wire		
Mantle	Woven glass fiber mat		
Heating Element Temperature	Up to 450 °C, Maximum		
Supply Voltage & Frequency	AC 110 ~ 220V(or 220 ~ 230V), 50/60Hz		

	SHMC		
Model Capacity(₪ℓ)	(Flask Type)	SHMC-B (Beaker Type) Catalog Number	WATTAGE
100	SHMC-F10	SHMC-B10	85
200/250/300	SHMC-F20/ 25 /30	SHMC-B20/ 25 /30	150
500	SHMC-F50	SHMC-B50	230
1,000	SHMC-F100	SHMC-B100	330
2,000	SHMC-F200	SHMC-B200	470
3,000	SHMC-F300	SHMC-B300	570
5,000	SHMC-F500	SHMC-B500	850

Temperature Controller

MODEL NO	CONTROL METHOD	CAPACITY	TEMPERATURE ACCURACY	SUPPLY VOLTAGE & FREQUENCY	
STC-E	Proportional voltage control	500. 1000. 1500W	±3%	115V or 230V 50/60Hz	
STC-I	Time-proportional bimetal temperature control	2,000 Wattage			
STC-P	Proportional voltage control				
	4~20 mA Proportional T.P.R	0 TOO W !!	within ±1%		
STC-D	Thermo Couple : ""K""(CA) Type			115V or 230V (Multiple) 50/60Hz	
	Digital Display				
	Digital P.I.D	2,500 Wattage	within ±0.5%		
STC-DP	Thermo Couple : ""K""(CA) Type				
	Digital Display				

Usage

Generally used with other tools to control temperature of SHMR/ SHMC Series, Heating Tapes, Heating Cords of Heating Mantle

→ The sole use of a temperature controller is not allowed.

Special Features

STC-E

■ The device that controls the temperature by supplying electricity to the built-in electronic voltage controller and outputting the needed voltage.

STC-

■ The device for obtaining the required temperature by using a built-in input power supply control device. (bimetal switch: INF)

STC-P

■ The device that controls the temperature by supplying electricity to the built-in electronic voltage controller and outputting the needed voltage.

STC-D

■ Accurate temperature can be obtained, as a proportional control output(4~20mA) type temperature control method is used.

STC-DP

■ The excellent digital temperature controller type with the P.I.D.(Proportional Integral Differential) auto-tuning feature.

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