

# SciLab<sup>®</sup> Remotecontrolled Reaction Vessel Heating Mantles, (1) Plain Bottom & (2) Bottom Outlet-type, 450°C, 100ml~100Lit with Nickel Chrome Heating Element, K-type Thermo-Sensor Integrated, with Certi. & Traceability, Option-Controller

반응조용 히팅맨틀, K-type 온도센서, Ni-Cr열선 내장, 자력교반기와 사용가능, 조절기 별도

- Made in Korea ■ Powder-coated Steel Housing.
- with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System
- Optional Remote Thermo Controller, K-type Thermo-Sensor, and Nickel-Chrome Heating Element "Coil-type" : Acid Resistant & Long Life Time.
- Heating Mantles for 50ml~6,000ml Flask are with a Device\* for Holding a Optional Stainless-steel Rod  $\phi$ 12.7 mm for Article Support.



(1) Plain Bottom-type Remotecontrolled Reaction Vessel Heating Mantle

## (1) Plain Bottom-type

Vessels, ml Dia. $\phi$ × H(cm)	Mantle			Catalog No.	
	Watts (W)	Inside Depth	Outside $\phi$ × H(cm)	with 230V	with 120V
100ml, $\phi$ 7 × H9	80 W	6.5cm	$\phi$ 14.5 × 11.0	SL.Man8170	SL.Man8170.1
250ml, $\phi$ 7 × H13	140 W	10.5cm	$\phi$ 14.5 × 14.0	SL.Man8171	SL.Man8171.1
500ml, $\phi$ 11 × H12	240 W	9.0cm	$\phi$ 19.0 × 13.5	SL.Man8172	SL.Man8172.1
1,000ml, $\phi$ 11 × H20	350 W	14.0cm	$\phi$ 19.0 × 16.5	SL.Man8173	SL.Man8173.1
2,000ml, $\phi$ 13 × H24	450 W	16.5cm	$\phi$ 19.0 × 19.0	SL.Man8174	SL.Man8174.1
2,000ml, $\phi$ 14 × H27	550 W	20.5cm	$\phi$ 20.6 × 22.0	SL.Man8175	SL.Man8175.1
3,000ml, $\phi$ 13 × H32	550 W	26.5cm	$\phi$ 19.0 × 29.0	SL.Man8176	SL.Man8176.1
4,000ml, $\phi$ 20 × H29	800 W	21.0cm	$\phi$ 27.0 × 22.5	SL.Man8178	SL.Man8178.1
5,000ml, $\phi$ 20 × H29	800 W	21.0cm	$\phi$ 27.0 × 22.5		
6,000ml, $\phi$ 21.5 × H32	800 W	24.5cm	$\phi$ 32.5 × 23.5	SL.Man8179	SL.Man8179.1
10Lit, $\phi$ 21.5 × H45	1400 W	32.0cm	$\phi$ 32.5 × 35.0	SL.Man8180	SL.Man8180.1
10Lit, $\phi$ 24 × H41	1400 W	32.0cm	$\phi$ 32.5 × 35.0	SL.Man8181	SL.Man8181.1
20Lit, $\phi$ 25 × H47	2000 W	40.0cm	$\phi$ 40.0 × 45.0	SL.Man8182	SL.Man8182.1
20Lit, $\phi$ 27 × H45	2000 W	35.0cm	$\phi$ 40.0 × 40.0	SL.Man8183	SL.Man8183.1
20Lit, $\phi$ 29 × H42	2000 W	35.0cm	$\phi$ 40.0 × 40.0	SL.Man8184	SL.Man8184.1
50Lit, $\phi$ 31.5 × H81	4000 W	70.0cm	$\phi$ 44.0 × 75.0	SL.Man8185	SL.Man8185.1
100Lit, $\phi$ 41.5 × H91	6000 W	75.5cm	$\phi$ 55.0 × 83.0	SL.Man8186	SL.Man8186.1

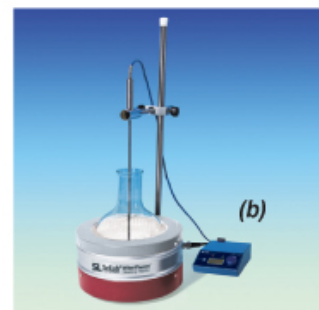


(2) Bottom Outlet-type Remotecontrolled Reaction Vessel Heating Mantle

## (2) Bottom Outlet-type / with Bottom Drain Valve PTFE

\* Bottom Outlet Hole Size : L7.2 × W4.0cm(500~2,000ml) or L12.0 × W7.0cm(3,000ml~100Lit)

Vessels, ml Dia. $\phi$ × H(cm)	Mantle			Catalog No.	
	Watts (W)	Inside Depth	Outside $\phi$ × H(cm)	with 230V	with 120V
500ml, $\phi$ 11 × H12	240 W	8.5cm	$\phi$ 19.0 × 11.0	SL.Man8190	SL.Man8190.1
1,000ml, $\phi$ 11 × H20	350 W	14.0cm	$\phi$ 19.0 × 16.5	SL.Man8191	SL.Man8191.1
2,000ml, $\phi$ 13 × H24	450 W	16.5cm	$\phi$ 19.0 × 19.0	SL.Man8192	SL.Man8192.1
2,000ml, $\phi$ 14 × H27	550 W	16.5cm	$\phi$ 20.6 × 22.0	SL.Man8193	SL.Man8193.1
3,000ml, $\phi$ 13 × H32	550 W	26.5cm	$\phi$ 19.0 × 29.0	SL.Man8194	SL.Man8194.1
4,000ml, $\phi$ 20 × H29	800 W	21.0cm	$\phi$ 27.0 × 22.5	SL.Man8196	SL.Man8196.1
5,000ml, $\phi$ 20 × H29	800 W	21.0cm	$\phi$ 27.0 × 22.5		
6,000ml, $\phi$ 21.5 × H32	800 W	24.5cm	$\phi$ 32.5 × 23.5	SL.Man8197	SL.Man8197.1
10Lit, $\phi$ 21.5 × H45	1400 W	31.0cm	$\phi$ 32.5 × 35.0	SL.Man8198	SL.Man8198.1
10Lit, $\phi$ 24 × H41	1400 W	31.0cm	$\phi$ 32.5 × 35.0	SL.Man8199	SL.Man8199.1
20Lit, $\phi$ 25 × H47	2000 W	41.0cm	$\phi$ 40.0 × 45.0	SL.Man8200	SL.Man8200.1
20Lit, $\phi$ 27 × H45	2000 W	35.0cm	$\phi$ 40.0 × 40.0	SL.Man8201	SL.Man8201.1
20Lit, $\phi$ 29 × H42	2000 W	35.0cm	$\phi$ 40.0 × 40.0	SL.Man8202	SL.Man8202.1
50Lit, $\phi$ 31.5 × H81	4000 W	70.0cm	$\phi$ 44.0 × 75.0	SL.Man8203	SL.Man8203.1
100Lit, $\phi$ 41.5 × H91	6000 W	78.0cm	$\phi$ 55.0 × 83.0	SL.Man8204	SL.Man8204.1



(b) **<Ex.>** Heating Mantle Set with Temp. Probe and the Digital Feedback Temp. Controller "WHM - C10D"

## Optional Remote Controller

(a) Analog Remote Controller, 5~100% of Rated Voltage, Up to 1.2kW

(b) Digital Remote Controller, Ambient +5 ~ 700°C,  $\pm$ 1°C Uniformity at Set Temp.

Cat. No	
with 230V	with 120V
DH.WHM13500	DH.WHM23500
DH.WHM12500	DH.WHM22500

## Optional Temp. Probes & Stand Rod, Holder, Clamp for Digital Temp. Remote Controller

DH.WHP503040 Direct Contact Temp. Probe, K-type, "SS300", L250 ×  $\phi$  4.8 mm

DH.WHP503050 "SS400", L380 ×  $\phi$  4.8 mm

DH.WHP503041 Direct Contact Temp. Probe, K-type, "SS310", Teflon Coated, L250 ×  $\phi$  5 mm

DH.WHP503051 Direct Contact Temp. Probe, K-type, "SS410", Teflon Coated, L380 ×  $\phi$  5 mm

DH.WHP503037 (3) Stand Rod,  $\phi$  12.7 × L520mm, "RD300", for Heating Mantles

DH.WHP503012 (4) Holder & Clamp, "CL220", for Temp. Sensor

(3) Stand Rod, "RD300",  $\phi$  12.7 × L520mm



(4) Holder / Clamp / Clip for Temp. Probe