

Constant High Temp. Bath with Magnetic Stirrer PS-1000



PS-1000 PSL-2000

Features

- The unit can be used with water or oil. It covers a wide temperature range of RT+5°C~150°C (oil).
- Built-in strong magnetic stirrer is ideal for research work at desired temperature with high accuracy.
- Independent overheat protector is equipped as standard.
- Synthesis reaction by water bath, synthesis at high temperature by oil bath, and polymerization reaction available by dual stirring function of this water/oil bath.

Specifications

Product Name	Constant High Temp. Bath with Magnetic Stirrer	
Model	PS-1000	
Cat.No.	182740	
Temp. range	Water: 30°C (RT+5°C) ~80°C oil: 30°C (RT+10°C)~150°C	
Temp. accuracy	Within±0.5°C (water)	
Rotation speed	100~800rpm	
Bath dimensions. (volume, material)	Dia.250*depth 130mm (6L, SUS304)	
Max. container size	Dia. 165mm .2L	
Overall dimensions (mm)	230(270)W*280(292)D*260H	
Power source	AC100V, 50/60Hz, 750VA	

Optional accessories

TSB-30(for sample 30mm legh)	123830
TSB-40(for sample 40mm legh)	123840
Lid with shutter (for PSL-1400)	182750

Constant Low Temp. Bath with Magnetic Stirrer

PSL-1400 • 1800 • 2000



PSL-1400 PSL-1800

Features

- Built-in strong magnetic stirrer is ideal for research work at desired temperature with high accuracy.
- Synthesis reactor container of the size up to 300mL can be mounted. Thanks to the compact desk top design. The unit can be used in draft cabinet.
- PSL-1800, 2000 realized long time, stable temperature control which cannot be obtained by dry-ice/acetone mixture or ice. Further more, lid with shutter prevents evaporation of the coolant.

Specifications

Product Name	Constant Low Temp. Bath with Maganetic Stirrer		
Model	PSL-1400	PSL-1800	PSL-2000
Cat.No.	182210	182228	182220 220948 220940
Temp.control range	-40°C~0°C	-80°C~-40°C	-80°C~-20°C
Temp. accuracy	within±0.5°C (Bath center)	within±1.0°C (Bath center)	
Rotation speed	100~800rpm		
Temp. control & sensor	Heater: P.I.D control. Refrigerator: Cotinuous operation. Thermister		
Temp. setting & display	Sheet key input. minimum scale 1°C digital setting digital display		
Safety functions	Over heat Protector. Refrigerator high pressure light switch. Over-load relay. Short circuit Over curent breaker. Seneor failure. Independent over heat protector.		
Heater capacity	250W	750W (sheath heater)	
Stirring motor	Speed control motor. 15W		
Refrigerator & coolant	Air cooling method• 250W•R404A	Air cooling method• 350W*2	Air cooling method• 500W*2•R404A•R23
Bath dimension (volume, material)	Ø140*depth 135mm (2.1L, SUS304)	Ø25*depth 180mm (8L, SUS304)	
Max. container size	Ø95mm, 300mL	Ø135mm 2L	
Ambient temperature	5~35°C		
Overall dimensions (mm)	350(380)W*450D*380(480)H	400(450)W*550D*450(480)H	450W*515(560)D*910H
Power source	AC100V 50/60Hz		
Input power	5.8A 580VA	10.8A 1.08kVA	17A 1.7kVA

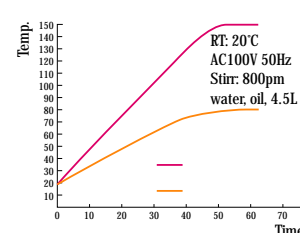
Optional accessories

Optional accessories	Cat.No.
Test tube holder (Ø10~18mm.9P)	212300
Small container clamp	182760
Lid with shutter (PSL-1400)	182750
Clamp set (pole.pole holder. clamp.Bosshead) each 1pcs	164500

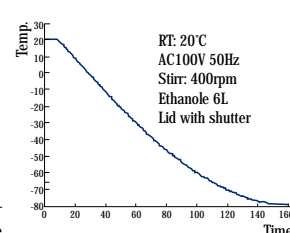
Operation panel



Heating curve PS-1000



Cooling curve PSL-2000



Dry Thermo Bath MG series



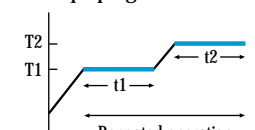
MG-1200 MG-2200 MG-2300

Operation Panel



MG-1200

2 steps program



Features

- Temperature sensor inserted directly into block bath enables the accurate temperature control of the block.
- MG-1200 is suitable for applications of enzyme reaction and low-temperature storage in the field of medicines and life storage in the field of medicines and life science.
- MG-2000,2100 are suitable for enzyme reaction and hydrolysis in the field of chemistry and biochemistry.

Specifications

Product Name	Dry Thermo Bath								
Model	MG-1200			MG-2200			MG-2300		
Cat.No.	206659	206658	206650	206669	206668	206660	206679	206678	206670
Temp. control range	4~100°C			RT+5~200°C					
Temp. accuracy	Within±0.1°C~0.2°C								
Temp. control	Microprocessor P.I.D. control								
Temp. setting & Display	Sheet key input. Minimum display scale 0.1°C. Digital setting. Digital display								
Additional functions	Temp. display calibration. Auto start. Auto stop. 2 steps Program operation. Auto tuning. Sample temperature sensor (option) ON/OFF switch.								
Safety functions	Alarm function (Highest&lowest temp. limit switch. Power failure. Temp. control mal-function. Sensor failure Watch dog. Fuse. Independent over heat protector(one point fixed)								
heater	170W			235W			390W		
Cooling	Peltier module			-					
Temperature sensor	Pt 100Ω sensor								
Number of Aluminum block unit	1			1			2		
Aluminum Block dimensions(mm)	85D*120W*30H			90D*125W*70H					
Aluminum block	Option (Refer optional accessories table)								
Ambient temperature	5~30°C			5~35°C					
Overall dimensions(mm)	235W*350D*205H			200W*310D*125H			260W*320D*125H		
Weight	9.5kg			5kg			6.5kg		
Power source	AC115V	AC220V	AC100V	AC115V	AC220V	AC100V	AC115V	AC220V	AC100V
Input power	390VA			250VA			390VA		

Optional accessories

Aluminum block

MGL (MG-1200)

Model	Cat.No	OD of applicable test tube	No. of hole	Hole depth
MGL-0096	207530	for 96 holes micro plate	—	—
MGL-0296	207540	0.2mL micro tube	96	13
MGL-0548	207550	0.8mm(0.5mL micro tube)	48	25
MGL-1540	207560	0.8mm(1.5mL micro tube)	40	26

MGL (MG-1200)



MGB (MG-2200*2300)



MGB (MG-2200*2300)

Model	Cat.No	O. D of applicable test tube	No. of hole	Hole depth
MGB-0548	207570	O.D 8mm(for 0.5mL micro tyube)	48	26
MGB-1540	207580	O.D 11mm(for 1.5mL micro tyube)	40	35
MGB-1240	207590	for O.D 12mm test tube	40	60
MGB-1524	207600	for O.D 15mm test tube	24	60
MGB-1624	207610	for O.D 16.5mm test tube	24	65
MGB-1822	207320	for O.D 18mm test tube	22	65
MGB-2116	207630	for O.D 21mm test tube	16	65
MGB-2412	207640	for O.D 24mm test tube	12	65
MGB-2512	207650	for O.D 25mm test tube	12	65
MGB-3008	207660	for O.D 30mm test tube	8	65