



## PURIBATH WATER BATH

Water bath used for thawing of freeze-stored sample, storing of sample at constant temperature and for various enzyme reaction experiments

- Natural convection
- Stainless steel interior

### ● ● ● STANDARD SPECIFICATION

Model		PURIBATH 11	PURIBATH 22
Size	Inner(W x D x H)mm	300x240x150	500x290x150
	Out(W x D x H)mm	355x295x230	565x360x230
	Capacity	11 L	22 L
	Weight(Kg)	20	30
Controller		Standard : Digital PID controller	
Inside Material		Stainless steel	
Outside Material		Epoxy powder coated steel plate	
Flat Cover Material		Stainless steel	
Temperature	Range	Ambient +5°C ~ 98°C	
	Sensor Type	PT 100Ω	
	Control	Natural convection(Direct heating to water)	
Power		230V ±10%, 50-60Hz, 1Phase	
Power Consumption		950W	1,550W
Safety		Over heat protector, Fuse installed noise filter	

#### Customizable Tubercrack

Based on the required tube size, various tube diameter can be fabricated



TUBE	11 L	22 L
Ø10	116EA	227EA
Ø13	95EA	186EA
Ø16	59EA	124EA
Ø20	44EA	94EA
Ø24	34EA	68EA
Ø30	26EA	46EA

#### PC dome type cover

Transparent PC cover is optional when user wants to see inside during operation, or when the big size of flask is used



## ● ● ● MAIN FEATURE

### ● Digital controller with convenient functions

Digital type input pad is provided to set the temperature with easy manner so that more exact temperature setting ( 0.1°C unit ) is possible compared with analog method. Key lock function of controller removes the risk of unauthorized modification in set value.

### ● No risk of corrosion due to stainless steel

Risk of corrosion is eliminated by using stainless steel for both internal surface and cover. Special fitting and sealing for heater position is adopted to prevent water leakage

### ● Realization of even temperature distribution by using dual heater

Dual heater design is adopted for improved heat efficiency, thanks to that, heating becomes faster. And composition of even temperature distribution is possible in the level of less than  $\pm 1^{\circ}\text{C}$

## ● ● ● FEATURE PLUS

### ● Verification of temperature distribution

Constant and even temperature distribution is controlled through PID control.

#### ※ Test Condition

- 5 sensor position
- Set temp. 37°C
- Amb. temp. 23°C
- Duration 30min.



## ● ● ● ORDER INFORMATION

DIVISION	ITEM	ORDER CODE	
		PURIBATH 11	PURIBATH 22
PRODUCT	Main Body	PBT-11-MB	PBT-22-MB
OPTION	Tuberack -10	PBT-11-OP1	PBT-22-OP1
	Tuberack -13	PBT-11-OP2	PBT-22-OP2
	Tuberack -16	PBT-11-OP3	PBT-22-OP3
	Tuberack -20	PBT-11-OP4	PBT-22-OP4
	Tuberack -24	PBT-11-OP5	PBT-22-OP5
	Tuberack -30	PBT-11-OP6	PBT-22-OP6
	PC Cover	PBT-11-OP7	PBT-22-OP7
SPARE	Heater	PBT-11-SP1	PBT-22-SP1
	Stainless Steel Cover	PBT-11-SP2	PBT-22-SP2
	PC Dome Cover(in Option)	PBT-11-SP3	PBT-22-SP3
	Mainboard & Controller Set	PBT-11-SP4	PBT-22-SP4