Made to Order

Peltier-Type Thermoelectric Bath

Accurately controls the temperature of liquid in the bath.

Square type is newly added to the product lineup.

Temperature stability ±0.02°C to ±0.03°C

Compact · Lightweight 22 kg (INR-244-757)

Current consumption 3.5 A to 6 A

Power supply voltage 100 VAC to 240 VAC
(Except for some models)

Application Examples

INR-244-757

Temperature control of sample and reagent

Temperature control of source gas for MO-CVD or diffusion furnace

Related Products

◎Fluoropolymer piping equipment

Fittings *Series LQ1/LQ3*

Bore through connector *Series LQHB*

Tubing *Series TL/TLM*

◎Process gas equipment

Regulator

Diaphragm valve

For details about related products, refer to the SMC website.

Variations

Model		Usable constant temperature liquid	Cooling method	Cooling capacity	Tank capacity	Temperature range	Temperature stability
	INR-244-745 INR-244-733	Water Ethylene glycol aqueous solution Fluorinated fluid (Square type can be used only at normal temperature.)	Water-cooled	140 W	Approx. 10 L	0 to 60°C	±0.03°C
	INR-244-747 INR-244-736			320 W			
	INR-244-746 INR-244-734		Water-cooled	320 W	Approx. 23 L	0 to 60°C	±0.03°C
	INR-244-749 INR-244-748				Approx. 39 L		
	INR-244-757		Air-cooled	220 W	Approx. 17 L	0 to 60°C	±0.03°C
	HEBC002-WA10		Water-cooled	140 W	Approx. 3 L	−15 to 60°C	±0.02°C
	INR-244-696A			280 W	Approx. 5.5 L		

Peltier-Type Thermoelectric Bath Lineup

(INR-244-733)

Specifications	Square type, water-cooled			
Model	**INR-244-745**	**INR-244-733**	**INR-244-747**	**INR-244-736**
Cooling method	Peltier, Water-cooled		Peltier, Water-cooled	
Cooling capacity*	140 W (at 20°C Water)		320 W (at 20°C Water)	
Dimensions (W x D x H)	266 x 376 x 400 mm		266 x 376 x 400 mm	
Tank capacity (W x D x H)	216 x 216 x 250 mm (Approx. 10 L)		216 x 216 x 250 mm (Approx. 10 L)	
Weight	Approx. 15.5 kg		Approx. 16.5 kg	
Power supply voltage range	100 VAC to 240 VAC		100 VAC to 240 VAC	
Rated current (at 100 VAC)	3.5 A		5.5 A	
Liquid temperature range	0 to 60°C		0 to 60°C	
Temperature stability	±0.03°C		±0.03°C	
Communications	RS-232C	RS-485	RS-232C	RS-485
Safety standards	CE marking, UL (NRTL) standard, RoHS			

(INR-244-749)

Specifications	Square type, water-cooled			
Model	**INR-244-746**	**INR-244-734**	**INR-244-749**	**INR-244-748**
Cooling method	Peltier, Water-cooled		Peltier, Water-cooled	
Cooling capacity*	320 W (at 25°C Water)		320 W (at 25°C Water)	
Dimensions (W x D x H)	350 x 510 x 400 mm		350 x 510 x 550 mm	
Tank capacity (W x D x H)	300 x 350 x 250 mm (Approx. 23 L)		300 x 350 x 400 mm (Approx. 39 L)	
Weight	Approx. 21 kg		Approx. 25 kg	
Power supply voltage range	100 VAC to 240 VAC		100 VAC to 240 VAC	
Rated current (at 100 VAC)	5.5 A		5.5 A	
Liquid temperature range	0 to 60°C		0 to 60°C	
Temperature stability	±0.03°C		±0.03°C	
Communications	RS-232C	RS-485	RS-232C	RS-485
Safety standards	CE marking, UL (NRTL) standard, RoHS			

Specifications	Square type, air-cooled
Model	**INR-244-757**
Cooling method	Peltier, Air-cooled
Cooling capacity	220 W (at 25°C Water, Ambient temperature 25°C)
Dimensions (W x D x H)	350 x 460 x 395 mm
Tank capacity (W x D x H)	300 x 290 x 200 mm (Approx. 17 L)
Weight	Approx. 22 kg
Power supply voltage range	100 VAC to 240 VAC
Rated current (at 100 VAC)	6 A
Liquid temperature range	0 to 60°C
Temperature stability	±0.03°C
Communications	RS-232C
Safety standards	RoHS

Specifications	Round type, water-cooled/Remote controller	
Model	**HEBC002-WA10/HEBC002-WB10**	
Cooling method	Peltier, Water-cooled	
Cooling capacity*	140 W (at 25°C Water)	
Dimensions (W x D x H)	Liquid tank 200 x 207 x 332 mm	Controller 250 x 300 x 180 mm
Tank capacity	ø130 x 188 mm (Approx. 3 L)	—
Weight	Approx. 8.5 kg	Approx. 6.5 kg
Power supply voltage range	100 VAC to 240 VAC	
Rated current (at 100 VAC)	4 A	
Liquid temperature range	−15 to 60°C	
Temperature stability	±0.02°C	
Communications	RS-485/RS-232C	
Safety standards	CE marking, UL (NRTL) standard, RoHS	

Specifications	Round type, water-cooled/Remote controller	
Model	**INR-244-696A**	
Cooling method	Peltier, Water-cooled	
Cooling capacity*	280 W (at 25°C Water)	
Dimensions (W x D x H)	Liquid tank 240 x 240 x 350 mm	Controller 220 x 330 x 123 mm
Tank capacity	ø170 x 202 mm (Approx. 5.5 L)	—
Weight	Approx. 12 kg	Approx. 5 kg
Power supply voltage range	200 VAC to 220 VAC	
Rated current (at 200 VAC)	5 A	
Liquid temperature range	−15 to 60°C	
Temperature stability	±0.02°C	
Communications	RS-485	
Safety standards	RoHS	

* Conditions: Facility water temperature 20°C, flow rate 5 L/min, ambient temperature 25°C