

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

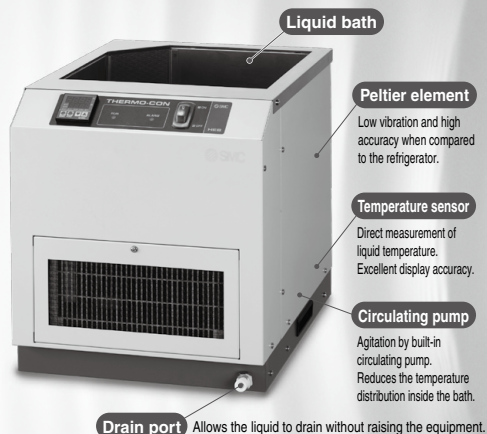
$\pm 0.02^{\circ}\text{C}$ to $\pm 0.03^{\circ}\text{C}$

Compact
Lightweight

22 kg (INR-244-757)

Current consumption 3.5 A to 6 A

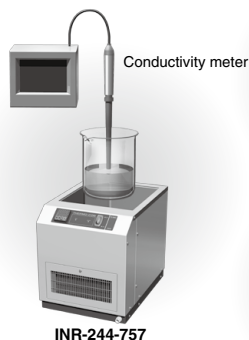
Power supply voltage 100 VAC to 240 VAC
(Except for some models)



Variations

Model	Usable constant temperature liquid	Cooling method	Cooling capacity	Tank capacity	Temperature range	Temperature stability
	Water	Water-cooled	140 W	Approx. 10 L	0 to 60°C	$\pm 0.03^{\circ}\text{C}$
			320 W			
		Water-cooled	320 W	Approx. 23 L Approx. 39 L	0 to 60°C	$\pm 0.03^{\circ}\text{C}$
		Air-cooled	220 W	Approx. 17 L	0 to 60°C	$\pm 0.03^{\circ}\text{C}$
	Ethylene glycol aqueous solution	Water-cooled	140 W	Approx. 3 L	-15 to 60°C	$\pm 0.02^{\circ}\text{C}$
			280 W	Approx. 5.5 L		
	Fluorinated fluid (Square type can be used only at normal temperature.)					

Application Examples



Temperature control of sample and reagent



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



Related Products

○Fluoropolymer piping equipment
Refer to the Best Pneumatics No. 9 for details.

○Process gas equipment

Fittings **LQ1/LQ3 Series**



Bore through connector **LQHB Series**



Tubing **TL/TLM Series**



Regulator **P.666**



Diaphragm valve **P.758**



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