

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	0 to 60°C	$\pm 0.03^{\circ}\text{C}$
				Approx. 39 L		
	Ethylene glycol aqueous solution	Air-cooled	220 W	Approx. 17 L	0 to 60°C	$\pm 0.03^{\circ}\text{C}$
	Fluorinated fluid (Square type can be used only at normal temperature.)	Water-cooled	140 W	Approx. 3 L	-15 to 60°C	$\pm 0.02^{\circ}\text{C}$
			280 W	Approx. 5.5 L		

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 Web Catalog for details.

Fittings **LQ1/LQ3 Series**



Bore through connector **LQHB Series**



Tubing **TL/TLM Series**



◎Process gas equipment

Regulator

Web Catalog



Diaphragm valve

Web Catalog



Peltier-Type Thermoelectric Bath Lineup

	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*1	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				
	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*1	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*1	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*1	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				

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