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Thermo Neslab RTE 740 Chiller

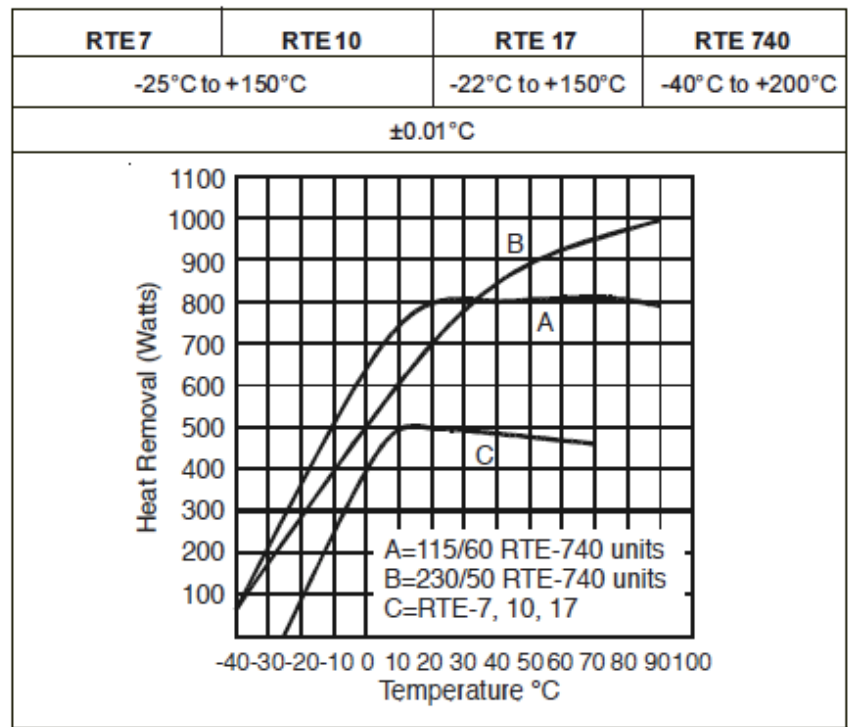
The Neslab RTE Refrigerated Bath/Circulators are designed to provide temperature control for applications requiring a fluid area or pumping to an external system. Units consist of a non-CFC air-cooled refrigeration system, circulation pump, seamless stainless steel bath, work area cover, and a microprocessor temperature controller.

Specifications¹

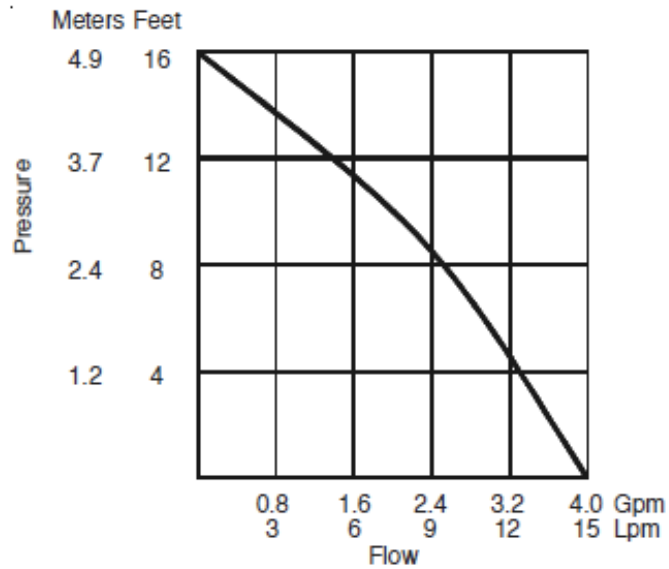
Temperature Range²

Temperature Stability³

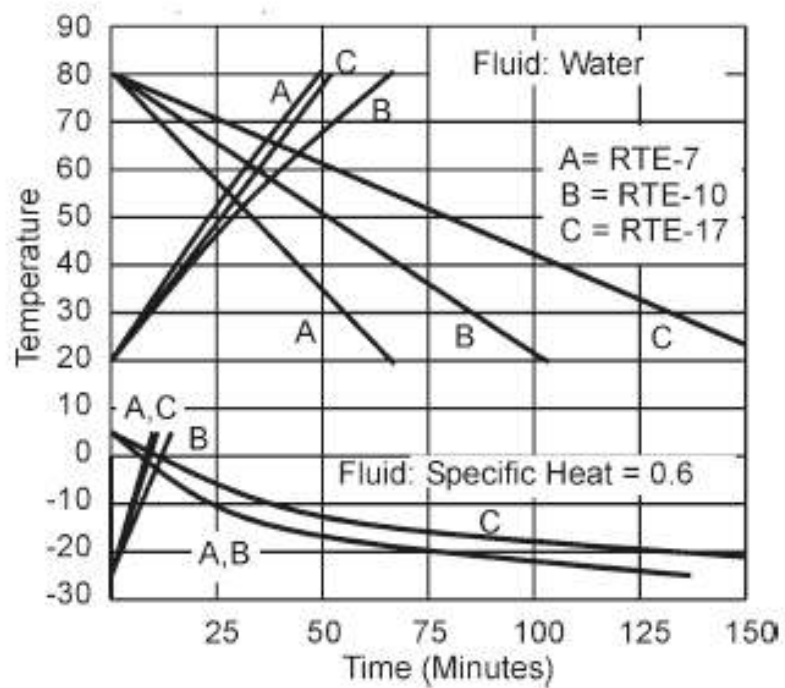
Cooling Capacity⁴



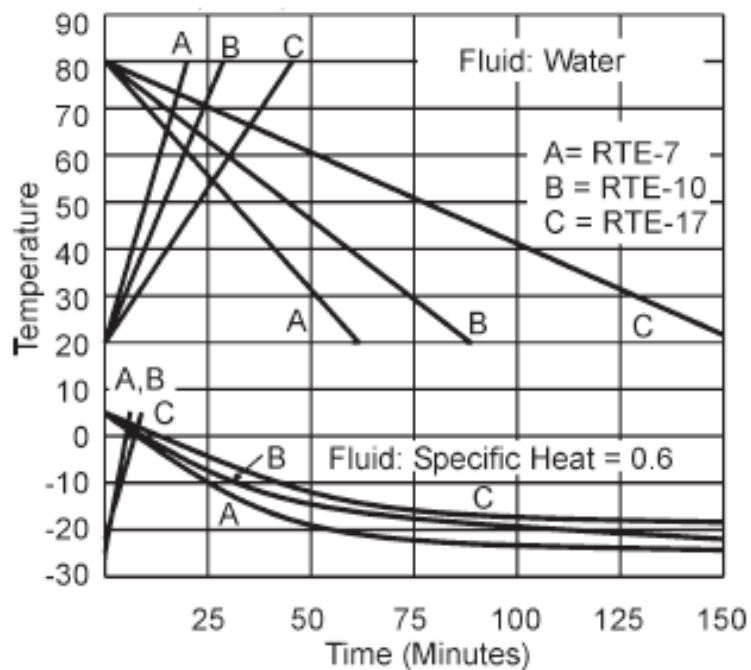
Pump Capacity⁴



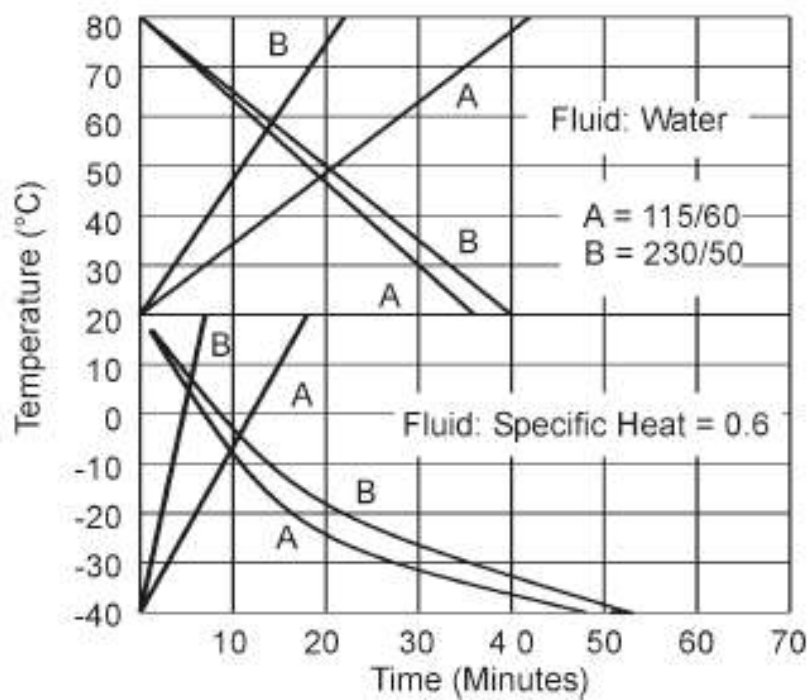
Time to Temperature 115V/60 Hz units



230V/50 Hz units



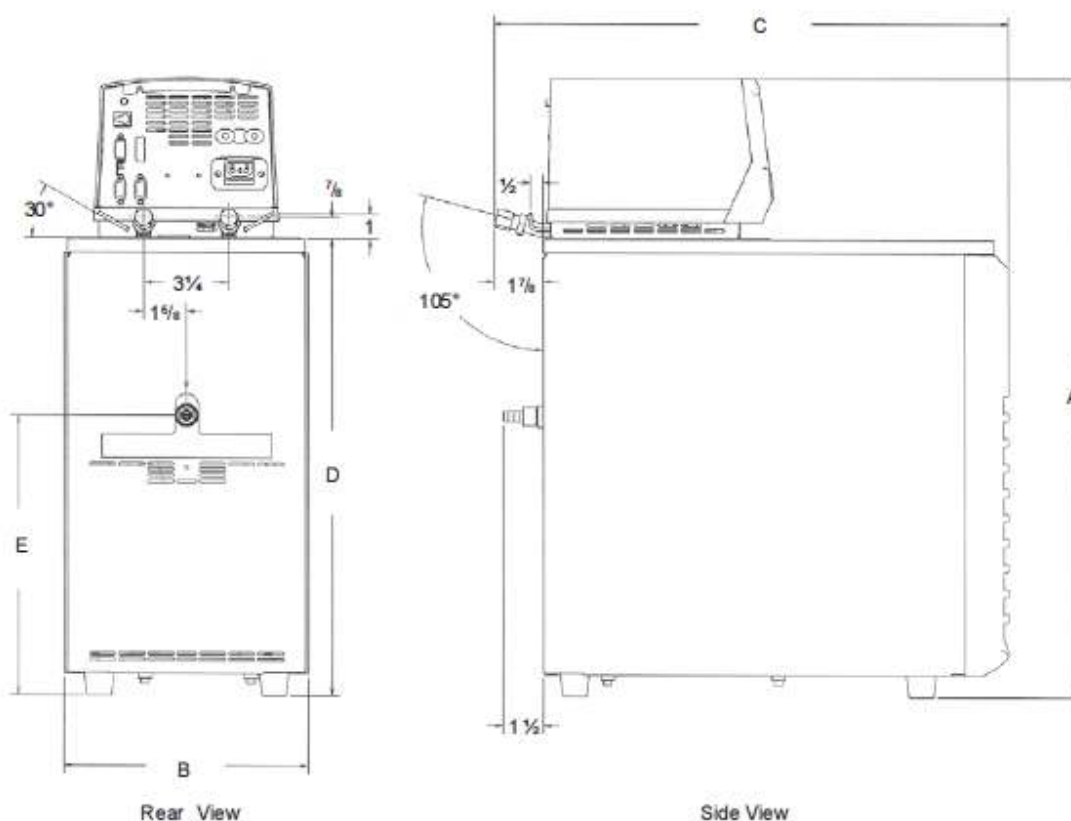
RTE-740 units



	RTE7	RTE10	RTE17	RTE 740
Heater (Watts)				
115V/60 Hz Models	800		1600	800
230V/50 Hz Models	2000		2000	2000
100V/50-60Hz Models	800		1200	800
Refrigerant	R134a (6 ounces)			R404a (8 ounces)
Bath Work Area⁵				
(W x L x D)				
Inches	6 ⁵ / ₈ x 7 ¹ / ₄ x 6	8 ³ / ₄ x 9 ³ / ₈ x 6	8 ³ / ₄ x 9 ³ / ₈ x 9	6 ⁵ / ₈ x 7 ¹ / ₄ x 6
Centimeters	16.8 x 18.3 x 15.2	22.4 x 23.9 x 15.2	22.4 x 23.9 x 22.9	16.8 x 18.3 x 15.2
Bath Volume				
Gallons	1.9	2.6	4.5	1.9
Liters	7.2	9.8	17.0	7.2
Air Flow Requirements				
SCFM	170			200
Weight⁵				
Pounds	60	68	71	87
Kilograms	27.2	30.8	32.2	39.5

- 1.) Specifications subject to change.
- 2.) Baths are tested at temperatures below freezing with denatured alcohol. This fluid is HIGHLY flammable and is not recommended by Thermo. Above 80°C, baths are tested at with silicone oil. This fluid is known to release a formaldehyde vapor (which is carcinogenic) above 150°C.
- 3.) 20°C ambient. 20°C bath temperature using water. Sea level. Measured at the center of the work area, work cover on, no external flow, stable ambient, full refrigeration (RTE-740 in Energy Saving Mode). For some applications, agitation and stability above ambient may be improved by connecting a small length of hose between the pump connections on the rear of the unit.
- 4.) 20°C ambient. 20°C bath temperature using water. Pump fully loaded. Sea Level.
- 5.) See next for unit dimensions
- 6.) Add approximately 3 pounds (1.4 kilograms) for shipping weight.

Unit Dimensions (inches)



Unit Dimensions	RTE 7	RTE 10	RTE 17	RTE 740
Dimension A	23 5/8	23 5/8	26 5/8	26 5/8
Dimension B	9 1/4	11 3/8	11 3/8	11 3/8
Dimension C	19	20 1/8	20 1/8	20 1/8
Dimension D	17 3/8	17 3/8	20 3/8	20 3/8
Dimension E	10 5/8	10 5/8	10 5/8	12 3/8
Crate Dimensions (D x W x H)	26 1/2 x 18 x 33 1/2			



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