



Polystat 13L Rapid Cooling Water Bath

- Modulating refrigeration control system is up to 50% more energy efficient than traditional refrigeration systems
- Redundant high-temperature and low-level safety

These baths feature refrigeration control that only operates when there is a set point deviation. This reduces energy usage because the heater and refrigeration unit operate only when needed.

All models have digital readout. Each unit is equipped with a hermetically sealed compressor for years of maintenance free use. The 1/4" NPT(F) threaded inlet and outlet is also standard; use with brass adapters (sold below) for external circulation.

What's included: cover; one 2-ft length of Buna N tubing (13-mm ID); male adapters for 3/8", 1/4", and 3/16" tubing; and a 5-ft cord with either standard or European plug.

Economical Digital Bath

This high-quality, digital refrigerated circulating bath is cost-effective for your low-temperature applications. Built-in pump has two speeds (9 L/min and 15 L/min) for greater temperature control. High and low settings are switch-selectable.

Digital Bath

A full graphics backlit LCD lets you view operating conditions at a glance. A powerful five-speed duplex pump delivers 11 to 24 L/min for efficient circulation of liquids at extreme temperatures. Bath includes RS-232 interface.

Programmable Digital Bath This bath features programming capabilities that let you enter up to ten time and temperature programs with up to 50 steps each. Cycle the programs up to 999 times. Easily set up time and temperature programs directly with the rotary encoder. The full graphics backlit LCD simultaneously displays set point and actual fluid temperature.

Use temperature probe 12110-50 (order separately) and RS-232 interface for remote control and datalogging. Baths features LabVIEW[®] drivers, Excel[®] control and data logging macro, and Palm OS[®] temperature control software.

Specifications

Capacity (Liters)		13
Temp range		-40 to 150°C
Temp control		PID
Temp setting		Digital
Temp sensor		platinum RTD
Heater wattage		1000 watts
Cooling capacity	at 20 C	900 watts
	at 0 C	825 watts
	at -30 C	200 watts
Compressor hp		1/3
Refrigerant		R-404a
Pressure pump	Max head at 0 flow	2.5 psi
	Max flow at 0 head	9 or 15 L/min
Suction pump		None
Working depth		5-1/2"
Wetted materials		304 stainless steel
Low-level cutoff		Yes
Drain		Yes
Port size		1/4" NPT(F)
Power	VAC	240
	Hz	50
	Amps	7
Dimensions	" D	17"
	" H	24-3/4"
	" W	15-1/2"
Bath opening	" W	11"
	" L	6"
Display		LED
Stability		±0.1°C