

# Benchtop Chillers - LS Series -20° to +40°C

## Key Specifications

Working Temperature: -20° to +40°C

Temperature Stability: ±0.1°C

Cooling Capacity: Up to 1290 W @ 20°C

Reservoir Capacity: 0.7 gallons/2.65 liters

Overall Dimensions (L x W x H): 23.9 x 10 x 19"

(L x W x H): 60.7 x 25.4 x 48.3 cm



## Features:

- Optimized for high performance at low temperatures
- Capable of cooling multiple rotary evaporators
- WhisperCool™ Environmental Control System
- Large, easy to read LED display
- Space-saving design
- Cooling at ambient temperatures as high as 35°C
- Low flow shutoff and alarm, high and low temperature alarms
- Simple setup, operation, and maintenance
- Choice of pumps
- Fluid level indicator



Front mounted fluid level gauge lets you quickly determine if coolant needs to be added to the reservoir.

See pages 109 through 112 for LS Series Chiller options and accessories.

Working Temperature Range	20° to +40°C						
Temperature Stability	±0.1°C						
Pump Type	Centrifugal		Centrifugal		Turbine		
	M1 (60 Hz)	M2 (50 Hz)	MX (60 Hz)	MY (50 Hz)	M1 (60 Hz)	M2 (50 Hz)	
Cooling Capacity <sup>1</sup> @ (W)	20°C	230	230	260	240	150	140
	10°C	435	435	475	460	345	330
	0°C	680	680	750	700	540	500
	+10°C	1030	1030	1130	1070	790	750
	+20°C	1160	1160	1290	1190	900	830
	+30°C	1380	1380	1460	1420	1020	990
	+40°C	1550	1545	1610	1580	1140	1105
Maximum Pressure psi (bar)	9.0 (0.6)	5.5 (0.4)	14.5 (1.0)	10.5 (0.7)	43.4 (3.0)	32 (2.2)	
Maximum Flow gpm (l/min)	3.9 (14.8)	3.4 (12.9)	3.5 (13.2)	3.1 (11.7)	2.6 (9.8)	2.2 (8.3)	
Part Number 120 VAC/60 Hz	LS51M11A110C		LS51MX1A110C		LS51TX1A110C		
Part Number 240 VAC/50 Hz	LS52M21A110E		LS52MY1A110E		LS52TY1A110E		

1. Cooling Capacity based on 20°C (68°F) ambient temperature and a 50%/50% mix of ethylene glycol and distilled water as coolant. Electrical plugs for the part numbers listed are standard U.S. and European types. See page 128 for additional plug types and part numbers. See pages 124 and 125 for considerations when choosing a chiller.

## Economical Cooling for Rotary Evaporators

LS Series Chillers are capable of simultaneously cooling two or more benchtop rotary evaporators, and provide particularly efficient and economical cooling at temperatures between 0°C and +10°C. Their powerful heat removal capability, combined with a compact design, makes them ideal for any low temperature cooling application where bench space is limited. They can also be placed on a mobile cart accessory, below a bench.