

Cole-Parmer polystat® Cooling/Heating Circulating Baths

Powerful refrigeration system provides excellent heat load removal across range of operating temperatures

NEW

- Two-speed pump with up to 21 L/min flow

These baths are ideal for industrial or laboratory applications with a wide variety of temperature control requirements. Available in 6- and 15-liter tank capacities, the compact footprint maximizes bench space. Bright digital display allows for simple operation. Three languages: English, French, and German.

Robust refrigeration system with metering control provides fast heat removal and stable temperatures. Industrial-grade circulating pumps deliver extra pressure providing more efficient heat exchange, better temperature uniformity, and improved reservoir agitation. Added pump pressure provides greater flexibility where you place the circulator. Long-life, high-wattage heaters deliver fast fluid heat up for applications requiring rapid fluctuations. High-temperature cutoff and low-level fault protect baths from adverse events. Includes inlet/outlet connections for external loop applications.

Standard Digital Controller Baths are ideal for routine temperature control. They feature three programmable set points, adjustable high-temperature cutoff, user-settable Min/Max temperature limits, and an adjustable pump nozzle.

Advanced Digital Controller Baths offer all the features of the Standard Digital models (except adjustable pump nozzle) plus five programmable set points, a two-stage (force/suction) pump for greater temperature control and circulation capacity, and a USB port.

What's included: 6-ft (1.8-m) power cord with plug, M16 x 1 connection and adapters for included 8- and 12-mm hose barb fittings with clamps for external connections.



12122-02

Specifications



Temperature control: PID

Heater wattage

Wetted materials: stainless steel, polymers

Temperature sensor: Pt RTD

Standard models: 1000 watts (115 V); 1200 watts (230 V);
Advanced models: 1200 watts (115 V); 2000 watts (230 V)

| Catalog number | Bath capacity | Temperature range | Stability | Cooling capacity at 20°C | Low-level cutoff | Pump type | Max pump pressure psi (mbar) | Max pump flow (L/min) | Dimensions | | Power (VAC, Hz) | Price |
|--|---------------|-------------------|-----------|--------------------------|------------------|---------------|------------------------------|-----------------------|---|---|-----------------|-------|
| | | | | | | | | | Working area (W x L x D) | Overall (W x L x H) | | |
| Standard digital controller baths | | | | | | | | | | | | |
| SN-12122-02 | 6 L | -20 to 100°C | ±0.1°C | 250 W | Yes | Force | 4.4 (300) | 15 | 5 7/8" x 5 7/8" x 4 7/8" (13.7 x 15 x 12.4 cm) | 8 1/8" x 24 1/4" x 16 3/8" (20.5 x 61.6 x 41.4 cm) | 115, 60 | |
| SN-12122-04 | | | | | | | | | | | 230, 50 | |
| SN-12122-16 | 6 L | -20 to 100°C | ±0.1°C | 250 W | Yes | Force | 4.4 (300) | 15 | 5 3/8" x 5 7/8" x 4 3/4" (13.5 x 15 x 12.2 cm) | 6 7/8" x 7 1/2" x 4 3/8" (17.7 x 19 x 11.3 cm) | 115, 60 | |
| SN-12122-18 | | | | | | | | | | | 230, 50 | |
| SN-12122-32 | 15 L | -20 to 100°C | ±0.1°C | 500 W | Yes | Force | 4.4 (300) | 15 | 6 7/8" x 5 7/8" x 7 1/4" (17.3 x 15 x 18.3 cm) | 10 1/4" x 25 1/2" x 19" (25.8 x 64.8 x 48.3 cm) | 115, 60 | |
| SN-12122-34 | | | | | | | | | | | 230, 50 | |
| SN-12122-36 | 15 L | -28 to 150°C | ±0.1°C | 500 W | Yes | Force | 4.4 (300) | 15 | 6 7/8" x 5 7/8" x 7 1/4" (17.3 x 15 x 18.3 cm) | 10 1/4" x 25 1/2" x 19" (25.8 x 64.8 x 48.3 cm) | 115, 60 | |
| SN-12122-38 | | | | | | | | | | | 230, 50 | |
| SN-12122-46 | 15 L | -20 to 100°C | ±0.1°C | 750 W | Yes | Force | 4.4 (300) | 15 | 6 7/8" x 5 7/8" x 7 1/4" (17.3 x 15 x 18.3 cm) | 14 5/8" x 27" x 20 3/8" (37 x 68.7 x 52 cm) | 115, 60 | |
| SN-12122-48 | | | | | | | | | | | 230, 50 | |
| SN-12122-52 | 15 L | -35 to 150°C | ±0.1°C | 750 W | Yes | Force | 4.4 (300) | 15 | 6 7/8" x 5 7/8" x 7 1/4" (17.3 x 15 x 18.3 cm) | 14 5/8" x 27" x 20 3/8" (37 x 68.7 x 52 cm) | 115, 60 | |
| SN-12122-54 | | | | | | | | | | | 230, 50 | |
| Advanced digital controller baths | | | | | | | | | | | | |
| SN-12122-12 | 6 L | -20 to 200°C | ±0.05°C | 250 W | Yes | Force/suction | 11.7 (805) | 21 | 5 7/8" x 5 7/8" x 4 7/8" (13.7 x 15 x 12.4 cm) | 8 1/8" x 24 7/8" x 16 3/8" (20.5 x 63.3 x 41.4 cm) | 115, 60 | |
| SN-12122-14 | | | | | | | | | | | 230, 50 | |
| SN-12122-26 | 6 L | -20 to 200°C | ±0.05°C | 250 W | Yes | Force/suction | 11.7 (805) | 21 | 5 3/8" x 5 7/8" x 4 3/8" (13.7 x 15 x 12.4 cm) | 7 3/4" x 7 1/2" x 5 3/4" (19.4 x 19 x 14.4 cm) | 115, 60 | |
| SN-12122-28 | | | | | | | | | | | 230, 50 | |
| SN-12122-42 | 15 L | -28 to 200°C | ±0.05°C | 500 W | Yes | Force/suction | 11.7 (805) | 21 | 6 7/8" x 5 7/8" x 7 1/4" (17.3 x 15 x 18.3 cm) | 10 1/2" x 26 1/4" x 19" (25.8 x 66.5 x 48.3 cm) | 115, 60 | |
| SN-12122-44 | | | | | | | | | | | 230, 50 | |
| SN-12122-56 | 15 L | -35 to 200°C | ±0.05°C | 750 W | Yes | Force/suction | 11.7 (805) | 21 | 6 7/8" x 5 7/8" x 7 1/4" (17.3 x 15 x 18.3 cm) | 14 5/8" x 27 3/4" x 20 3/8" (37 x 70.4 x 52 cm) | 115, 60 | |
| SN-12122-58 | | | | | | | | | | | 230, 50 | |