

VWR Heating Immersion Circulators

- Economical and Easy-to-Read Controllers
- Two Selectable Pump Speeds
- Dual-Safety Protection Standard

Design your own circulating bath with a VWR Immersion Circulator. These circulators clamp on to either a standard lab stand or walls of a tank up to 1-13/16 inch thick. The 2-speed pressure (simplex) pump minimizes turbulence in small tanks and provides higher flow and greater uniformity in large tanks. An adjustable flow director accepts 1/2 inch (13mm) tubing for external circulation.

Standard Model 1122S. The PID controller provides precise temperature control and greater temperature stability. The adjustable PID parameters give greater precision. It comes standard with three user-defined temperature preset buttons for your most commonly used applications.

Low Cost Analog Model 1112A. Analog Controller offers good temperature control for routine lab applications. Proportional heater control combined with redundant safety backup makes this analog model an excellent value. Monitor your bath's temperature via the supplied thermometer.

Controllers described on pages 4-5. Accessories listed on page 26. Open Bath Systems described on page 15.



Model 1122S



Model 1112A



Ideal For: *Bacteriological Incubation • Calibration • Kinetic Research • Cell Culture Enzyme Assays • Tempering Samples • Thawing Frozen Specimens • Viscosity Studies Warming Culture Media*

Specifications	1122S	1112A
Temperature Range / Stability	Amb.+5°C to 150°C* / ±0.05°C*	Amb.+5°C to 100°C* / ±0.2°C*
Controller / Readout	Standard / LED °C or °F	Analog / Thermometer
Heater	1100 Watts (120V models), 1600 Watts (240V models)	
Pumping Pressure	2-speed (Simplex pump) 9 or 15 liters/min.	
Tank Occupancy, approx.	6-1/2 x 4-3/4 in. / 16.5 x 12 cm	
Immersion, minimum to maximum	3 in. to 7 in. / 7.6 cm to 17.8 cm	
Overall Dimensions L x W x D	6 x 4-3/4 x 13 in. / 15.2 x 12 x 33 cm	
Shipping Weight	9 lbs. / 4 kg	
Cat. No. (120V, 50-60Hz, 9Amps)	13271-138 \$1220	13271-134 \$725
Cat. No. (240V, 50-60Hz, 4.5Amps)	13271-140 \$1245	13271-136 \$755

* Temperature range and stability vary depending on bath volume, surface area, insulation and type of fluid.

Note: Performance specifications determined at ambient temperature of 20°C/68°F.

TECH TIP

Selectable Pump Speed Advantages:

Slow Speed

- ✓ Quieter Operation
- ✓ Longer Motor Life
- ✓ Minimizes Bath Turbulence

Faster Speed

- ✓ Responds Quickly To Changes
- ✓ Pumps To Multiple Systems
- ✓ Better Flow In Small Tubing