

Refrigerated Circulating Baths

A versatile range of products to fit every need.

Features:

- Working temperatures from -40 to +200°C
- Temperature stabilities to $\pm 0.005^\circ\text{C}$
- Capacities from 7 to 45 liters
- Six controller types with large, intuitive displays and multiple communication options
- Large bath openings and easy to clean surfaces
- Swivel 180TM Rotating Controllers
- LidDockTM Lid Stowing System
- DuraTopTM Chemical Resistant Deck
- WhisperCoolTM Environmental Control System
- Cool CommandTM Technology

Capable of reaching temperatures as low as -40°C , PolyScience Refrigerated/Heated Circulating Baths provide dependable temperature control for a wide variety of laboratory cooling applications.



Available in 40 different models, the latest generation PolyScience Refrigerated/Heated Circulating Baths uphold our reputation for innovation, product quality, and refrigeration expertise. Our lab and operator-friendly circulating baths set a new industry standard for design, performance and value. The units are extremely simple to operate, easy to install and maintain, and will provide years of reliable and accurate heat removal.

PolyScience Refrigerated/Heated Circulators come with the following accessories:

- Reservoir cover
- Bypass tubing
- Male inlet and outlet adapters for 3/8, 1/4, and 3/16" (.95, .63, and .47 cm) tubing. 1/4" to M16 adapters also included on 50 Hz units.
- 6' (1.83 m) standard grounded electrical cord with country-specific plug





Features:

- **Quiet**
Proprietary patent-pending WhisperCool™ technology reduces overall equipment noise, increases refrigeration efficiency, and lowers energy consumption.
- **Easy to maintain**
Accessing the reservoir drain and removable air filter for maintenance is as simple as removing the circulator's front panel. Performance Programmable, Advanced Programmable and Performance Digital models even remind you when it's time for filter cleaning.
- **Energy saving**
Cool Command™ technology carefully regulates the amount of cooling required, saving energy while delivering fast cool-downs and more precise control at elevated temperatures.
- **Safe**
All models feature user-settable high-temperature safeties as well as redundant over-temperature protection and comply with RoHS, WEEE, IEC 61010-1, IEC 61010-2-010, IEC 61326-1, DIN 12876 and are CE and ETL certified. Our DuraTop™ surface is cooler to the touch when operating at high temperatures.
- **Intuitive**
Whether equipped with the entry-level controller or the most sophisticated, PolyScience Refrigerated/Heated Circulating Baths are extremely easy to use. Clear navigational buttons and menu prompts guide you through setup, making operational and temperature set-point changes simple and precise.

Refrigerated Circulating Baths Selection Guide



	Capacity	7 Liter (Low Profile)	7 Liter	7 Liter
	Maximum Temperature ¹	200°C	200°C	200°C
	Minimum Temperature	-20°C	-20°C	-40°C
	Cooling Capacity @ 20°C	200 W	200 W	505 W
	Working Access (L x W x D)	6.18 x 5.59 x 5" 15.7 x 14.2 x 12.7 cm	6.18 x 5.59 x 5" 15.7 x 14.2 x 12.7 cm	6.18 x 5.59 x 5" 15.7 x 14.2 x 12.7 cm
	Drain	•	•	•
	LidDock™	•	•	•
Part Number	Performance Programmable 120 VAC/60 Hz	PP7LR-20-A11B	PP07R-20-A11B	PP07R-40-A11B
		PP7LR-20-A12E	PP07R-20-A12E	PP07R-40-A12E
	Advanced Programmable 120 VAC/60 Hz	AP7LR-20-A11B	AP07R-20-A11B	AP07R-40-A11B
		AP7LR-20-A12E	AP07R-20-A12E	AP07R-40-A12E
	Performance Digital 120 VAC/60 Hz	PD7LR-20-A11B	PD07R-20-A11B	PD07R-40-A11B
		PD7LR-20-A12E	PD07R-20-A12E	PD07R-40-A12E
	Advanced Digital 120 VAC/60 Hz	AD7LR-20-A11B	AD07R-20-A11B	AD07R-40-A11B
		AD7LR-20-A12E	AD07R-20-A12E	AD07R-40-A12E
	Standard Digital 120 VAC/60 Hz	SD7LR-20-A11B	SD07R-20-A11B	
		SD7LR-20-A12E	SD07R-20-A12E	
	MX 120 VAC/60 Hz	MX7LR-20-A11B	MX07R-20-A11B	
		MX7LR-20-A12E	MX07R-20-A12E	

1. Maximum temperature is controller dependent; see Circulator Controller Features, pages 16 through 27.

2. All 45L Circulating Baths are 208-240 VAC, 50/60 Hz.

Electrical plugs for the part numbers listed are standard U.S. and European types. See page 128 for additional plug types and part numbers.



15 Liter

15 Liter

20 Liter

28 Liter

45 Liter²

200°C

200°C

200°C

200°C

135°C

-30°C

-40°C

-30°C

-30°C

-25°C

915 W

1000 W

915 W

915 W

1400 W

8.35 x 10.88 x 5.5"
21.2 x 27.6 x 14 cm

8.35 x 10.88 x 5.5"
21.2 x 27.6 x 14 cm

9.85 x 12.45 x 5.5"
25 x 31.6 x 14 cm

12.35 x 14.13 x 5.5"
31.4 x 35.9 x 14 cm

21.6 x 15.68 x 5.5"
54.9 x 39.8 x 14 cm

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PP15R-30-A11B

PP15R-40-A11B

PP20R-30-A11B

PP28R-30-A11B

PP45R-20-A13D

PP15R-30-A12E

PP15R-40-A12E

PP20R-30-A12E

PP28R-30-A12E

PP45R-20-A12E

AP15R-30-A11B

AP15R-40-A11B

AP20R-30-A11B

AP28R-30-A11B

AP45R-20-A13D

AP15R-30-A12E

AP15R-40-A12E

AP20R-30-A12E

AP28R-30-A12E

AP45R-20-A12E

PD15R-30-A11B

PD15R-40-A11B

PD20R-30-A11B

PD28R-30-A11B

PD45R-20-A13D

PD15R-30-A12E

PD15R-40-A12E

PD20R-30-A12E

PD28R-30-A12E

PD45R-20-A12E

AD15R-30-A11B

AD15R-40-A11B

AD20R-30-A11B

AD28R-30-A11B

AD45R-20-A13D

AD15R-30-A12E

AD15R-40-A12E

AD20R-30-A12E

AD28R-30-A12E

AD45R-20-A12E

SD15R-30-A11B

SD20R-30-A11B

SD28R-30-A11B

SD15R-30-A12E

SD20R-30-A12E

SD28R-30-A12E

MX15R-30-A11B

MX20R-30-A11B

MX15R-30-A12E

MX20R-30-A12E