

Standard Digital Temperature Controller

Key Specifications

Working Temperature: From -30° to +170°C

Temperature Stability: $\pm 0.04^\circ\text{C}$

Maximum Pressure: psi (bar)

120 VAC/60 Hz Models 3.5 (0.24)

240 VAC/50 Hz Models 2.9 (0.2)

Maximum Flow Rate: Pressure

gpm (l/min)

120 VAC/60 Hz Models 2.9 (11.0)

240 VAC/50 Hz Models 2.7 (10.2)



Features:

- Intuitive 3.75" (9.5 cm) display with touch-pad control
- 2-speed pressure pump with external (closed-loop) circulation capability
- Swivel 180™, LidDock™, DuraTop™, WhisperCool™, Cool Command™
- On-board connectivity: RS232
- Automatic performance optimization
- Single-point calibration
- Complies with DIN 12876-1 Class I safety requirements for use with non-flammable liquids



Highly intuitive operator interface makes changing set-point and other operating parameters quick and simple.



Easy-to-use calibration function allows you to adjust the temperature display to match that of a traceable temperature standard.

For additional information on the Standard Digital Controller's features and capabilities, see pages 24 and 25.



7-Liter: -20°C, Low-Profile

7-Liter: -20°C

Temperature Range: -20° to +170°C

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Working Access (L x W x D):
6.18 x 5.59 x 5"
15.7 x 14.2 x 12.7 cm

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Overall Dimensions (L x W x H):
23.2 x 16.2 x 16.2"
58.9 x 41.1 x 41.1 cm

Overall Dimensions (L x W x H):
21.3 x 8.7 x 24.3"
54.1 x 22.1 x 61.7 cm



15-Liter: -30°C

20-Liter: -30°C

28-Liter: -30°C

Temperature Range: -30° to +170°C

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Working Access (L x W x D):
8.35 x 10.88 x 5.5"
21.2 x 27.6 x 14 cm

Working Access (L x W x D):
9.85 x 12.45 x 5.5"
25 x 31.6 x 14 cm

Working Access (L x W x D):
12.35 x 14.13 x 5.5"
31.4 x 35.9 x 14 cm

Overall Dimensions (L x W x H):
22.4 x 14.5 x 26.9"
56.9 x 36.8 x 68.3 cm

Overall Dimensions (L x W x H):
24 x 16.6 x 26.9"
61 x 41.9 x 68.3 cm

Overall Dimensions (L x W x H):
26.5 x 18 x 26.9"
67.2 x 45.7 x 68.3 cm



Reservoir Size	7 Liter Low-Profile	7 Liter	15 Liter	20 Liter	28 Liter
Temperature Range	-20° to +170°C	-20° to +170°C	-30° to +170°C	-30° to +170°C	-30° to +170°C
Cooling Capacity @ 20°C	200 W		915 W		
Heater	1100 W (60 Hz)/2200 W (50 Hz)				
Part Number 120 VAC/60 Hz	SD7LR-20-A11B	SD07R-20-A11B	SD15R-30-A11B	SD20R-30-A11B	SD28R-30-A11B
Part Number 240 VAC/50 Hz	SD7LR-20-A12E	SD07R-20-A12E	SD15R-30-A12E	SD20R-30-A12E	SD28R-30-A12E

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