

## 7 Liter Heated Circulator



SD07H170

### Key Specifications

<b>Description</b>	170, 7 L Htg. Circulator
<b>Controller Type</b>	Standard Digital
<b>Display</b>	3.75" Touch-Pad LCD
<b>Connectivity</b>	RS232
<b>Languages Supported</b>	English
<b>Swivel 180 Rotating Controller</b>	Yes
<b>Working Temperature Range °C</b>	Ambient +10° to 170°
<b>Temperature Stability °C</b>	±0.04°
<b>Fluid Optimization/Specific Heat Tuning</b>	Automatic
<b>Temperature Calibration Capability</b>	1-point
<b>Working Access (L x W x D) (cm)</b>	15.7 x 14.2 x 12.7 cm
<b>Pump Type</b>	Pressure
<b>Flammability Class (DIN 12876-1)</b>	I (NFL)

### Key Features

## Standard Digital Controller

### Key Features

- Large, universal icon and English display
- Swivel 180™ Rotating Controller
- On-board connectivity: RS-232 serial output
- On-screen prompts
- Automatic performance optimization
- Single-point calibration capability

### Common Specifications

<b>Working Temperature Range °F</b>	Ambient + 20° to 338°
<b>Working Temperature Range °C</b>	Ambient +10° to 170°
<b>Reservoir Capacity (gallons)</b>	1.85
<b>Reservoir Capacity (liters)</b>	7
<b>Reservoir/Tank Material</b>	Stainless Steel
<b>Reservoir Cover</b>	Included
<b>DuraTop</b>	Yes
<b>LidDock</b>	Yes
<b>Working Access (L x W x D) (inches)</b>	6.18 x 5.59 x 5 in
<b>Working Access (L x W x D) (cm)</b>	15.7 x 14.2 x 12.7 cm
<b>Temperature Stability °F</b>	±0.08°
<b>Temperature Stability °C</b>	±0.04°
<b>Display</b>	3.75" Touch-Pad LCD
<b>Display Resolution (Set)</b>	0.1
<b>Display Resolution (Read)</b>	0.1
<b>Pump Type</b>	Pressure
<b>Pump Speed</b>	Two
<b>Process Connections</b>	1/4" (F) NPT
<b>Flammability Class (DIN 12876-1)</b>	I (NFL)
<b>Over-Temperature Protection / Failsafe Heater Control</b>	Yes
<b>Low Liquid Level Protection</b>	Yes
<b>Reservoir Drain</b>	Yes
<b>Cooling Coil</b>	Yes
<b>Maximum Ambient Temperature °F</b>	95°
<b>Maximum Ambient Temperature °C</b>	35°
<b>Overall Dimensions (L x W x H) (inches)</b>	19.6 x 8.7 x 16.1 in
<b>Overall Dimensions (L x W x H) (cm)</b>	49.9 x 22.1 x 40.9 cm
<b>Environmental Compliance</b>	RoHS, WEEE
<b>Shipping Weight (pounds)</b>	42.0

Shipping Weight (kilograms)	19.0
Catalog Page Number	58-59

## 60 Hz Only

Part Number	SD07H170-A11B
Maximum Pressure (psi)	3.5
Maximum Pressure (bar)	0.24
Maximum Pressure Flow Rate (gpm)	2.90
Maximum Pressure Flow Rate (l/min)	11.0
Included Hardware	Nylon hose adapters for 3/8", 1/4", and 3/16"
Heater Wattage	1100
Electrical Requirements (VAC/Hz/Ph/A)	120/60/1/10
Regulatory Approvals	ETL

## 50 Hz Only

Part Number	SD07H170-A12E
Maximum Pressure (psi)	2.9
Maximum Pressure (bar)	0.20
Maximum Pressure Flow Rate (gpm)	2.70
Maximum Pressure Flow Rate (l/min)	10.2
Included Hardware	Nylon hose adapters for 3/8", 1/4", and 3/16", and 1/4" NPT to M16 adapter
Heater Wattage	2200
Electrical Requirements (VAC/Hz/Ph/A)	240/50/1/10
Regulatory Approvals	CE



© 2015-2020 **PolyScience** 6600 W. Touhy Avenue, Niles, Illinois 60714-4516 USA

**Phone:** +1(847) 647-0611 or +1(800) 229-7569 **Fax:** +1(847) 647-1155

\*/

**Source URL (modified on 09/16/2020 - 07:50):** <https://polyscience.com/circulating-baths/7-liter-heated-circulator-0>