

# Technical Information

## Performance Specifications

Operating Temperature Range:	Model dependent; see table below	
Temperature Stability:	±0.04C (±0.08°F)	
Pump Type:	2-speed pressure	
	<u>60Hz models</u>	<u>50Hz models</u>
Maximum Pressure:	3.5 psi (0.24 bar)	2.9 psi (0.20 bar)
Maximum Pressure Flow Rate:	2.9 gpm (11.0 lpm)	2.7 gpm (10.2 lpm)
Heater Wattage:	1100 watts	2200 watts

Model Type	Reservoir Capacity	Temperature Range	Electrical Requirements	
			60Hz Units	50Hz Units
SD07R-20 Refrigerating / Heating Bath	7 liters	-20° to 170°C -7° to 338°F	120V, 60Hz, 12A	240V, 50Hz, 12A
SD7LR-20 Refrigerating / Heating Bath	7 liters	-20° to 170°C -7° to 338°F	120V, 60Hz, 12A	240V, 50Hz, 12A
SD15R-30 Refrigerating / Heating Bath	15 liters	-30° to 170°C -22° to 338°F	120V, 60Hz, 13A	240V, 50Hz, 13A
SD20R-30 Refrigerating / Heating Bath	20 liters	-30° to 170°C -22° to 338°F	120V, 60Hz, 13A	240V, 50Hz, 13A
SD28R-30 Refrigerating / Heating Bath	28 liters	-30° to 170°C -22° to 338°F	120V, 60Hz, 13A	240V, 50Hz, 13A
SD07H170 Heating Only Bath	7 liters	Ambient +10° to 170°C Ambient +20° to 338°F	120V, 60Hz, 10A	240V, 50Hz, 10A
SD15H170 Heating Only Bath	15 liters	Ambient +10° to 170°C Ambient +20° to 338°F	120V, 60Hz, 10A	240V, 50Hz, 10A
SD20H170 Heating Only Bath	20 liters	Ambient +10° to 170°C Ambient +20° to 338°F	120V, 60Hz, 10A	240V, 50Hz, 10A
SD28H170 Heating Only Bath	28 liters	Ambient +10° to 170°C Ambient +20° to 338°F	120V, 60Hz, 10A	240V, 50Hz, 10A
SD29VB3S Polycarbonate Viscosity Bath	29 liters	Ambient +10° to 85°C Ambient +20° to 185°F <sup>(1)</sup>	120V, 60Hz, 10A	240V, 50Hz, 10A
SD29VB5R Polycarbonate Viscosity Bath	29 liters	Ambient +10° to 85°C Ambient +20° to 185°F <sup>(1)</sup>	120V, 60Hz, 10A	240V, 50Hz, 10A

1. Maximum working temperature for polycarbonate tank; Standard Digital Temperature Controller capable of higher temperatures.

Environmental Conditions	Indoor use only
Maximum Altitude:	2000 meter
Operating Ambient:	5° to 35°C (41° to 95°F)
Relative Humidity:	80%, non-condensing
Installation Category:	II
Pollution Degree:	2
Ingress Protection:	IP 31
Climate Class:	SN
Software Class:	B
Output Waveform:	Sinusoidal

Specifications subject to change without notice.