

29 Liter Viscosity Bath, Square Openings

Image:



SD29VB3S

Key Specifications

Description	Viscosity Bath, 29 L, 3 Square
Controller Type	Standard Digital
Display	3.75" Touch-Pad LCD
Connectivity	RS232
Languages Supported	English
Swivel 180 Rotating Controller	Yes
Working Temperature Range °C	Ambient +10° to 85°
Temperature Stability °C	±0.04°
Fluid Optimization/Specific Heat Tuning	Automatic
Temperature Calibration Capability	1-point
Working Access (L x W x D) (cm)	(3) x 8.9 x 8.9 x 28.6 cm
Pump Type	Pressure

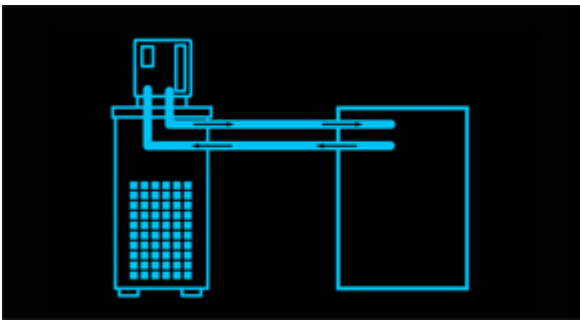
Key Features

Standard Digital Controller

Key Features

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

Reliable



Reliable

Set and read to 0.1°C, $\pm 0.04^\circ\text{C}$ temperature stability, and a 2-speed pump make the Standard Digital Controller an economical and reliable choice for a variety of laboratory applications, including those requiring closed-loop external circulation.

Communication



Communication

RS-232 serial communication capability allows control and data logging via a PC or other remote device.

Intuitive Operation



Intuitive Operation

Plain-text prompts and intuitive controls guide you quickly through setup. Intelligent touch and scroll display makes it easy to make both large and small set-point changes.

Protection



Protection

User-settable high-temperature safety provides over-temperature and low-liquid level protection. Adjustable high and low limits guard against unintended set-point changes.

Common Specifications

Working Temperature Range °F	Ambient +20° to 185°
Working Temperature Range °C	Ambient +10° to 85°
Reservoir Capacity (gallons)	7.66
Reservoir Capacity (liters)	29
Reservoir/Tank Material	Polycarbonate
Reservoir Cover	Square, Included
DuraTop	Yes
Working Access (L x W x D) (inches)	(3) x 3.5 x 3.5 x 11.25 in
Working Access (L x W x D) (cm)	(3) x 8.9 x 8.9 x 28.6 cm
Temperature Stability °F	±0.08°
Temperature Stability °C	±0.04°
Display	3.75" Touch-Pad LCD
Display Resolution (Set)	0.1
Display Resolution (Read)	0.1
Pump Type	Pressure
Pump Speed	Two
Process Connections	1/4" (F) NPT
Flammability Class (DIN 12876-1)	I (NFL)
Over-Temperature Protection / Failsafe Heater Control	Yes
Low Liquid Level Protection	Yes
Reservoir Drain	Yes

Cooling Coil Port	Yes
Maximum Ambient Temperature °F	95°
Maximum Ambient Temperature °C	35°
Overall Dimensions (L x W x H) (inches)	21.4 x 9 x 20.7 in
Overall Dimensions (L x W x H) (cm)	54.4 x 22.9 x 52.6 cm
Environmental Compliance	RoHS, WEEE
Shipping Weight (pounds)	75.0
Shipping Weight (kilograms)	34.0
Catalog Page Number	70-71

50 Hz Only

Part Number	SD29VB3S-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

60 Hz Only

Part Number	SD29VB3S-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

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