

29 Liter Viscosity Bath, Round Openings

Image:



AD29VB5R

Key Specifications

Description	Viscosity Bath, 29 L, 5 Round
Controller Type	Advanced Digital
Display	3.75" Touch-Pad LCD
Connectivity	Ethernet, USB A & B, RS232/addressable RS485, External Temperature Probe
Languages Supported	4: French, German, Spanish, English
Swivel 180 Rotating Controller	Yes
Working Temperature Range °C	Ambient +10° to 85°
Temperature Stability °C	±0.01°
Fluid Optimization/Specific Heat Tuning	Automatic and/or user-adjustable
Temperature Calibration Capability	1-point
Working Access (L x W x D) (cm)	(5) x 5.1 Ø x 28.6 cm
Pump Type	Pressure/Suction

Key Features

Advanced Digital Controller

Key Features

- Intuitive 3.75” (9.5 cm) display with touch-pad control
- 4 languages: French, German, Spanish, English
- Swivel 180™ Rotating Controller
- On-board connectivity: USB-A & B, Ethernet, RS-232/RS-485 and external temperature probe
- On-screen prompts
- Automatic performance optimization and specific heat tuning
- Single-point calibration capability

Optimized



Optimized

The Advanced Digital Temperature Controller displays and controls bath temperatures with ±0.01°C precision and stability. Plus you can further optimize performance through a variety of control settings including pump speed, specific heat value, calibration offset and internal or external temperature control.

Communicative



Communicative

Bi-directional RS-232, addressable RS-485 and Ethernet communications provide fast and versatile remote control and data logging. USB-A and USB-B enable you to log data directly to a flash drive or computer.

Friendly



Friendly

On-screen prompts and 4 languages (English, Spanish, French and German) take the guesswork out of setup and operation. Adjusting the temperature set-point, pump speed or other operational settings is simple, straightforward and intuitive. In addition, the Advanced Digital Temperature Controller features a message bar that assists in making changes and provides alerts and safety information.

Safe



Safe

The Advanced Digital Temperature Controller delivers exceptional safety for a wide variety of laboratory applications. Standard safety features include redundant over-temperature protection, low-liquid level float switch, user-settable over-temperature safety and high and low temperature limits.

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	Round, Included
DuraTop	Yes
Working Access (L x W x D) (inches)	(5) x 2 Ø x 11.25 in
Working Access (L x W x D) (cm)	(5) x 5.1 Ø x 28.6 cm
Temperature Stability °F	±0.02°
Temperature Stability °C	±0.01°
Display	3.75" Touch-Pad LCD
Display Resolution (Set)	0.01
Display Resolution (Read)	0.01
Pump Type	Pressure/Suction
Pump Speed	Variable
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
Included Software	PolyTemp Viewer, USB driver
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	AD29VB5R-A12E
Maximum Pressure (psi)	3.6
Maximum Pressure (bar)	0.25
Maximum Pressure Flow Rate (gpm)	4.40
Maximum Pressure Flow Rate (l/min)	16.7
Maximum Suction Flow Rate (gpm)	3.2
Maximum Suction Flow Rate (l/min)	12.2
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	AD29VB5R-A11B
Maximum Pressure (psi)	4.3
Maximum Pressure (bar)	0.30
Maximum Pressure Flow Rate (gpm)	5.30
Maximum Pressure Flow Rate (l/min)	20.1
Maximum Suction Flow Rate (gpm)	3.9
Maximum Suction Flow Rate (l/min)	14.7
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

© 2015 **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

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