

# 17 Liter Viscosity Bath

## Image:



AD17VB6G

## Key Specifications

<b>Description</b>	Viscosity Bath, 17 L, 6 Round
<b>Controller Type</b>	Advanced Digital
<b>Display</b>	3.75" Touch-Pad LCD
<b>Connectivity</b>	Ethernet, USB A & B, RS232/addressable RS485, External Temperature Probe
<b>Languages Supported</b>	4: French, German, Spanish, English
<b>Swivel 180 Rotating Controller</b>	Yes
<b>Working Temperature Range °C</b>	Ambient + 10° to 200°
<b>Temperature Stability °C</b>	±0.01°
<b>Fluid Optimization/Specific Heat Tuning</b>	Automatic and/or user-adjustable
<b>Temperature Calibration Capability</b>	1-point
<b>Working Access (L x W x D) (cm)</b>	(6) x 5.1 Ø x 27.9 cm

**Pump Type**  
**Flammability Class (DIN 12876-1)**

**Pressure/Suction**  
**III (FL)**

## 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

### Vertical Tabs

Optimized



#### Optimized

The Advanced Digital Temperature Controller displays and controls bath temperatures with  $\pm 0.01^\circ\text{C}$  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

<b>Working Temperature Range °F</b>	Ambient +20° to 185°
<b>Working Temperature Range °C</b>	Ambient + 10° to 200°
<b>Reservoir Capacity (gallons)</b>	7.66
<b>Reservoir Capacity (liters)</b>	29
<b>Reservoir/Tank Material</b>	Glass
<b>Reservoir Cover</b>	Round, Included
<b>DuraTop</b>	Yes
<b>Working Access (L x W x D) (inches)</b>	(6) x 2 Ø x 11 in
<b>Working Access (L x W x D) (cm)</b>	(6) x 5.1 Ø x 27.9 cm
<b>Temperature Stability °F</b>	±0.02°
<b>Temperature Stability °C</b>	±0.01°
<b>Display</b>	3.75" Touch-Pad LCD
<b>Display Resolution (Set)</b>	0.01
<b>Display Resolution (Read)</b>	0.01
<b>Pump Type</b>	Pressure/Suction
<b>Pump Speed</b>	Variable
<b>Process Connections</b>	1/4" (F) NPT
<b>Flammability Class (DIN 12876-1)</b>	III (FL)
<b>Over-Temperature Protection / Failsafe Heater Control</b>	Yes
<b>Low Liquid Level Protection</b>	Yes
<b>Reservoir Drain</b>	Yes
<b>Cooling Coil Port</b>	Yes
<b>Included Software</b>	PolyTemp Viewer, USB driver
<b>Maximum Ambient Temperature °F</b>	95°
<b>Maximum Ambient Temperature °C</b>	35°
<b>Overall Dimensions (L x W x H) (inches)</b>	12.5 Ø x 20.5 in
<b>Overall Dimensions (L x W x H) (cm)</b>	31.8 Ø x 52.1 cm
<b>Environmental Compliance</b>	RoHS, WEEE
<b>Shipping Weight (pounds)</b>	75.0
<b>Shipping Weight (kilograms)</b>	34.0
<b>Catalog Page Number</b>	70-71

## 50 Hz Only

<b>Part Number</b>	AD17VB6G-A12E
<b>Maximum Pressure (psi)</b>	3.6

<b>Maximum Pressure (bar)</b>	0.25
<b>Maximum Pressure Flow Rate (gpm)</b>	4.40
<b>Maximum Pressure Flow Rate (l/min)</b>	16.7
<b>Maximum Suction Flow Rate (gpm)</b>	3.2
<b>Maximum Suction Flow Rate (l/min)</b>	12.2
<b>Included Hardware</b>	Nylon hose adapters for 3/8", 1/4", and 3/16", and 1/4" NPT to M16 adapter
<b>Heater Wattage</b>	2200
<b>Electrical Requirements (VAC/Hz/Ph/A)</b>	240/50/1/10
<b>Regulatory Approvals</b>	CE

## 60 Hz Only

<b>Part Number</b>	AD17VB6G-A11B
<b>Maximum Pressure (psi)</b>	4.3
<b>Maximum Pressure (bar)</b>	0.30
<b>Maximum Pressure Flow Rate (gpm)</b>	5.30
<b>Maximum Pressure Flow Rate (l/min)</b>	20.1
<b>Maximum Suction Flow Rate (gpm)</b>	3.9
<b>Maximum Suction Flow Rate (l/min)</b>	14.7
<b>Included Hardware</b>	Nylon hose adapters for 3/8", 1/4", and 3/16"
<b>Heater Wattage</b>	1100
<b>Electrical Requirements (VAC/Hz/Ph/A)</b>	120/60/1/10
<b>Regulatory Approvals</b>	ETL



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**Source URL (modified on 01/05/2021 - 14:11):** <https://polyscience.com/specialty-product/ad17vb6g-17-liter-viscosity-bath>