

## 15 Liter Heated Calibration Bath

Image:



PD15HCAL

### Key Specifications

|                                |  |
|--------------------------------|--|
| Description                    | Calibration Bath, 15 L, Htg.   |
| Controller Type                | Performance Digital  |
| Display                        | 4.3" SmartTouch Touchscreen  |
| Connectivity                   | Ethernet, USB A & B, RS232/addressable RS485, Remote On/Off, External Temperature Probe            |
| Languages Supported            | 11: French, German, Spanish, Chinese, Portuguese, Russian, Hindi, Arabic, Italian, Korean, English |
| Swivel 180 Rotating Controller | Yes  |

|   |                                  |
|---|----------------------------------|
| Working Temperature Range °C            | Ambient + 10° to 200°            |
| Temperature Stability °C                | ±0.005°                          |
| Fluid Optimization/Specific Heat Tuning | Automatic and/or user-adjustable |
| Temperature Calibration Capability      | 10-point                         |
| Working Access (L x W x D) (cm)         | 11.7 Ø x 28 cm                   |
| Pump Type                               | Pressure/Suction                 |
| Flammability Class (DIN 12876-1)        | III (FL)                         |

## Key Features

### Common Specifications

|   |                             |
|---|-----------------------------|
| Working Temperature Range °F                          | Ambient + 20° to 392°       |
| Working Temperature Range °C                          | Ambient + 10° to 200°       |
| Reservoir Capacity (gallons)                          | 3.96                        |
| Reservoir Capacity (liters)                           | 15                          |
| Reservoir/Tank Material                               | Stainless Steel             |
| Reservoir Cover                                       | Included                    |
| DuraTop   | Yes                         |
| Working Access (L x W x D) (inches)                   | 4.6 Ø x 11 in               |
| Working Access (L x W x D) (cm)                       | 11.7 Ø x 28 cm              |
| Temperature Stability °F                              | ±0.01°                      |
| Temperature Stability °C                              | ±0.005°                     |
| Display   | 4.3" SmartTouch Touchscreen |
| Display Resolution (Set)                              | 0.01                        |
| Display Resolution (Read)                             | 0.001                       |
| Pump Type   | Pressure/Suction            |
| Pump Speed  | Variable                    |
| Process Connections                                   | 1/4" (F) NPT                |
| Flammability Class (DIN 12876-1)                      | III (FL)                    |
| Over-Temperature Protection / Failsafe Heater Control | Yes                         |
| Low Liquid Level Protection                           | Yes                         |

|   |   |
|---|---|
| Reservoir Drain                         | Yes   |
| Included Software                       | PolyTemp Viewer, TDMS file viewer, USB driver, PolyScience LabVIEW Virtual Instrument & Functions, PolyTemp Remote iPhone application |
| Maximum Ambient Temperature °F          | 95°   |
| Maximum Ambient Temperature °C          | 35°   |
| Overall Dimensions (L x W x H) (inches) | 21.3 x 8.7 x 24.3 in  |
| Overall Dimensions (L x W x H) (cm)     | 54.1 x 22.1 x 61.7 cm   |
| Environmental Compliance                | RoHS, WEEE  |
| Shipping Weight (pounds)                | 50.0  |
| Shipping Weight (kilograms)             | 22.7  |
| Catalog Page Number                     | 72-73   |

### 50 Hz Only

|                                       |  |
|---------------------------------------|--|
| Part Number                           | PD15HCAL-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                     | PT100 temperature probe, USB drive, stainless steel hose adapters for 3/8", 1/4", and 3/16", and 1/4" NPT to M16 adapter; sleeve kit |
| Heater Wattage                        | 2200   |
| Electrical Requirements (VAC/Hz/Ph/A) | 240/50/1/10  |
| Regulatory Approvals                  | CE   |

### 60 Hz Only

|                                    |               |
|------------------------------------|---------------|
| Part Number                        | PD15HCAL-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                     | PT100 temperature probe, USB drive, stainless steel hose adapters for 3/8", 1/4", and 3/16"; sleeve kit |
| Heater Wattage                        | 1100  |
| Electrical Requirements (VAC/Hz/Ph/A) | 120/60/1/12   |
| Regulatory Approvals                  | ETL   |

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