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15 Liter Refrigerated Calibration Bath

Image:

PD15RCAL

Key Specifications

Description	Calibration Bath, 15 L, Ref.
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	-30° 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	-22° to 392°
Working Temperature Range °C	-30° to 200°
Nominal Cooling Capacity @ +20C (W)	505
Reservoir Capacity (gallons)	3.96
Reservoir Capacity (liters)	15
Reservoir/Tank Material	Stainless Steel
Reservoir Cover	Included
DuraTop	Yes
Cleanable Air Filter	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
WhisperCool Environmental Control Technology	Yes
Cool Command Refrigeration Technology	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 30.5 in
Overall Dimensions (L x W x H) (cm)	54.1 x 22.1 x 77.5 cm
Environmental Compliance	RoHS, WEEE
Shipping Weight (pounds)	100.0
Shipping Weight (kilograms)	45.3
Catalog Page Number	72-73

50 Hz Only

Part Number	PD15RCAL-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)	240/50/1/13

Regulatory Approvals	CE

60 Hz Only

Part Number	PD15RCAL-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)	120/60/1/13
Regulatory Approvals	ETL

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