

## 14 Liter Polycarbonate Open Bath System



AP14P100

### Key Specifications

Description	14 L Open Bath System
Controller Type	Advanced Programmable
Display	4.3" SmartTouch Touchscreen
Connectivity	Ethernet, USB A & B, RS232/addressable RS485, External Temperature Probe
Languages Supported	6: French, German, Spanish, Chinese, Arabic, English
Time/Temperature Programs & Steps	Ten 100-step programs
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	5-point
Working Access (L x W x D) (cm)	31.4 x 15.6 x 20.3 cm
Pump Type	Pressure/Suction

External Temperature Control Capability	Yes
Flammability Class (DIN 12876-1)	I (NFL)

Key Features

POLYCARBONATE OPEN BATHS

Features

- Advanced Programmable or MX Temperature Controller
- 8, 11, 14, 17, 23 or 28 liter reservoir
- Transparent polycarbonate reservoir lets you keep samples in clear view
- Elevated tank bottom provides secure hand holds when lifting or relocating bath, remains stable on uneven surfaces
- Controller bridge removes easily for tank cleaning, rests securely on reservoir top edge when in use
- Included bath cover reduces evaporation and improves temperature stability
- DuraTop™ chemical resistant bridge
- Lidded opening for optional cooling coil (17, 23 and 28 liter models)
- Drain port (17, 23 and 28 liter models)
- Complies with DIN 12876-1 Class I safety requirements for use with non-flammable liquids

Select a Controller

	Advanced Programmable (AP)	MX
Temperature Stability	±0.01°C	±0.07°C
Pump Type	Pressure/Suction, Variable-Speed	Pressure Only, 1-Speed
Programmability	Ten 100-step programs	N/A
Connectivity	USB A & B, Ethernet, RS-232/RS-485, External Temperature Probe	

Select a Reservoir

8 Liter

11 Liter

<b>Maximum Temperature</b>	85°C	85°C
<b>Working Access (L x W x D)</b>	4.1 x 6.1 x 8 in 10.5 x 15.6 x 20.3 cm	8.3 x 6.1 x 8 in 21 x 156 x 20.3 cm

### Common Specifications

Working Temperature Range °F	Ambient +20° to 185°
Working Temperature Range °C	Ambient +10° to 85°
Reservoir Capacity (gallons)	3.7
Reservoir Capacity (liters)	14
Reservoir/Tank Material	Polycarbonate
Reservoir Cover	Included
DuraTop	Yes
Working Access (L x W x D) (inches)	12.4 x 6.1 x 8 in
Working Access (L x W x D) (cm)	31.4 x 15.6 x 20.3 cm
Temperature Stability °F	±0.02°
Temperature Stability °C	±0.01°
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
External Temperature Control Capability	Yes
Flammability Class (DIN 12876-1)	I (NFL)
Over-Temperature Protection / Failsafe Heater Control	Yes
Low Liquid Level Protection	Yes
Included Software	PolyTemp Viewer, TDMS file viewer, USB driver, Time/Temperature Program Generator, PolyTemp Remote iPhone application
Maximum Ambient Temperature °F	95°
Maximum Ambient Temperature °C	35°
Overall Dimensions (L x W x H) (inches)	20.9 x 8.2 x 16.3 in
Overall Dimensions (L x W x H) (cm)	53.2 x 20.8 x 41.3 cm

Environmental Compliance	RoHS, WEEE
Shipping Weight (pounds)	30.0
Shipping Weight (kilograms)	13.6
Catalog Page Number	64-65

## 60 Hz Only

Part Number	AP14P100-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

## 50 Hz Only

Part Number	AP14P100-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

© 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

**Source URL (modified on 01/27/2018 - 09:46):** <https://www.polyscience.com/circulating-baths/14-liter-polycarbonate-open-bath-system>