

# Introducing Premium Digital Water Baths



 **PolyScience**<sup>®</sup>  
Temperature Control Solutions  
[www.polyscience.com](http://www.polyscience.com)

\* 10, 20 and 28 liter models

## Basic Product Information

- Unstirred, general purpose water baths
- Reservoir sizes: 2, 5, 10, 20 and 28 liters
- High quality design and construction at a competitive price
- Optional accessories include: test tube racks, polyclean CLARIFIER, polyclean BATH CLEANER

## Positioning

These new PolyScience General Purpose Water Baths are designed to be the highest value premium digital unstirred water baths on the market.

Features include:

- Calibration offset feature
- Full-color TFT (thin-film transistor LCD) Display with adjustable brightness
- Five (5) Preset Programs allow the user to set a temperature and duration
- Integrated independent timer
- Clear, hinged high-gabled cover
- Redundant safety thermostat
- Recessed handles

## Features & Benefits

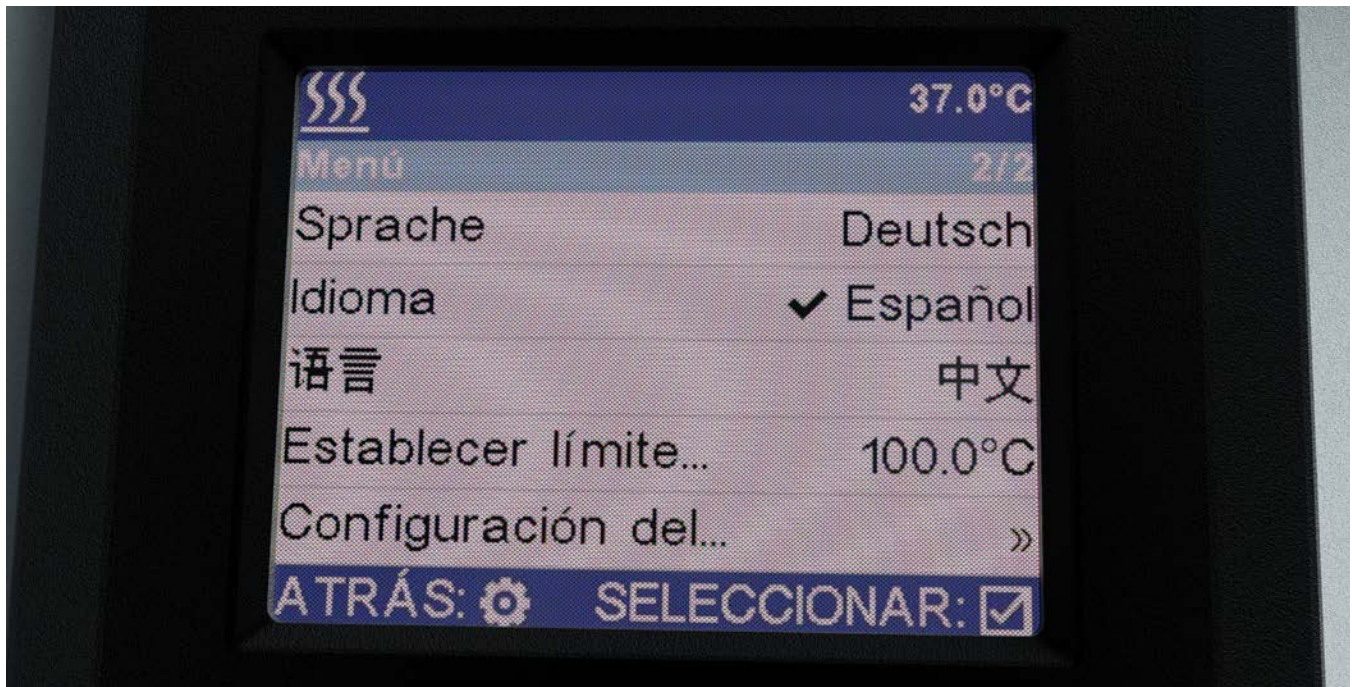
Feature	Benefit	Why is it important?
Full-color TFT Display	Display is easy to read, even across the lab; more detailed information and customizability; alternative language options; visible alarms	Enhanced user experience; allows user to monitor temperature, even across the room; greater international accessibility.
Recessed handles	Easy repositioning or transportation	Recessed handles allow the user to reposition the bath, but don't add to footprint.
Clear, hinged gable cover	Removable, hinged high-gabled cover allows condensate to drain back into the bath; clear design maximizes visibility; more space for tall media bottles	Hinged design keeps lid off the lab bench; keeps work area clean and uncluttered. High gable accommodates taller media bottles with cover in place.
Drains on 10, 20 and 28L models	Easily drain reservoir	Easier to keep the bath clean; added safety by not requiring lifting to drain
Timer	Alerts user when required time has elapsed	Set anywhere from minutes to hours, the built-in timer eliminates the need for an external timer.
Preset Programs	Allows user to program frequently-used temperature and time for easy use	Program frequent settings in advance for both temperature and duration. There is no need for an additional timer and the bath heater will shut off when the program concludes, for added safety and energy savings.

## Solutions for Customer Uncertainty

Here are some responses to objections you may receive while selling these new General Purpose Water Baths.

Objection	Argument
My old water bath works OK.	These new baths include new features to make work more productive. New features including programmability and Full-color TFT display may not be available on older water baths.
Pricing	Among premium brands, PolyScience's prices are very competitive. Lower cost baths may exist in developing markets, but generally lack the same features and regulatory approvals.
I don't use a water bath.	What do you use for liquid temperature control? PolyScience products include Circulating Baths and Chillers, which are other options for liquid temperature control.
I like using Brand X.	PolyScience has over 50 years of producing quality products and meets all ISO Quality and Environmental guidelines.. This presents a great opportunity to try out a PolyScience Water Bath. This bath includes features not found on any other comparable product.
The maximum temperature is only 99°C.	Some customers may request a bath with a maximum temperature of 100°C. However, this product is considered a water bath, not a boiling or oil bath, and therefore is designed to be used primarily with water, which, at sea level, will boil at 99.98°C. Boiling point may be reached at different temperatures depending on elevation and climate. Therefore, we recommend that someone looking to work at 100°C (or towards the high-end temperature) look at a Heated Circulating Bath, which will offer maximum stability at the required temperature.

## Full-color TFT Display



Does a general purpose water bath really need a full-color TFT screen? Yes! This screen includes many distinct advantages over 7-segment and fixed monochromatic LCD displays that significantly improve ease of use and overall user experience.

- Improved readability due to enhanced contrast and 8-bit color.
- Adjustable brightness and dark and light interface themes to accommodate a variety of workspaces.
- A new menu system allows for easy navigation and eliminates the need for complicated button press combinations.
- Alarms and faults are now displayed across the entire screen in vibrant color and explained in plain language.
- User-selectable language settings for five different languages allows for improved use among non-English speakers. (English, German, French, Spanish, Chinese)

## Take Control of Your Lab

With the introduction of our Temperature Preset system, you can be certain that your samples will be at the right temperature--for as long as you want. Just press **P**.

- Save on time spent adjusting temperature and setting a timer on every use. Assign your frequent settings to a Preset and then quickly press and go.
- User-defined duration, in addition to temperature, ensures that your bath heater will shut off when the program is concluded, for enhanced safety and improved energy consumption.
- At the conclusion of any preset, the bath will automatically enter Eco Mode, for low energy no-heat operation.

SSS			37.0°C
Run Preset		( °C   HH:MM )	
P1	37.0		∞
P2	37.0		08:00
P3	41.5		∞
P4	44.4		∞
P5	56.0		∞
BACK: ⚙️		SELECT: ☑️	

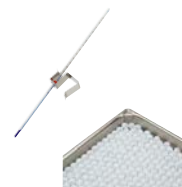
# General Purpose Water Bath

## Accessories

PolyScience General Purpose Water Baths offer excellent temperature control, range and uniformity. The following PolyScience accessories are available to complement a variety of use cases for the bath.



	Part Number
Thermometer (-20 to +150°C) alcohol, non-calibrated	099590
Thermometer Holder	700-437
Floating Ball Cover: Covers top of tank, reducing heat loss by 75% and evaporation by 87%. Also reduces fumes and splashing hazards. 3/4" (20 mm) diameter, 400/package	060301



### TEST TUBE RACKS FOR GENERAL PURPOSE BATHS

	Maximum per Sample Tray					Part Number
	2 L	5 L	10 L	20 L	28 L	
Stainless Steel Rack, 10-13 mm, holds 15 maximum	1					510-672
Stainless Steel Rack, 14-18 mm, holds 15 maximum	1					510-673
Stainless Steel Rack, 10-13 mm, holds 30 maximum		1	4	5	5	510-674
Stainless Steel Rack, 14-18 mm, holds 30 maximum		1	4	5	5	510-675

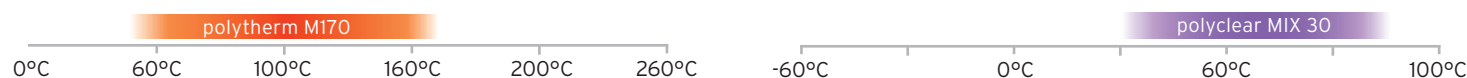


### BATH FLUIDS

		Temperature Range	Quantity	Part Number
polyclean CLARIFIER	Prevents growth of algae, keeps baths clean and odor-free. Concentrated: 8 oz (237 ml) treats approximately 200 gallons (757 liters).	n/a	8 oz (237 ml)	004-300040
			case = 12 x 8 oz (12 x 237 ml)	004-300041
polyclean BATH CLEANER	For cleaning and removing rust and mineral deposits from stainless steel and polycarbonate baths. Concentrated: 8 oz (237 ml) treats approximately 16 gallons (60.5 liters).	n/a	8 oz (237 ml)	004-300050
			case = 12 x 8 oz (12 x 237 ml)	004-300051
polytherm M170	Mid-range mineral oil provides cost-effective alternative to silicone oil. For use in stainless steel and polycarbonate tanks.	50° to 170°C (122° to 338°F)	1 gallon (3.8 L)	060321
polyclear MIX 30	General purpose fluid for routine applications above 15°C; prevents algae growth.	15° to 90°C (59° to 194°F)	case = 5 x 1/2 gallon (5 x 1.9 L)	004-300062



1. For all fluids except polyclean Bath Cleaner, check bath system compatibility before using.





# PolyScience® Premium Digital Water Baths



## Specifications

\* 10, 20 and 28 liter models

	2L		5L		10L		20L		28L	
Temperature Range	Ambient +5° to 99°C									
Temperature Stability	±0.1°C									
Temperature Uniformity	±0.2°C									
Heater Wattage	120		360		1,000		1,400		1,400	
Working Access (L x W x D)	3.9 x 4.3 x 6 in 9.9 x 10.9 x 15.2 cm		5 x 10.8 x 6 in 12.7 x 27.4 x 15.2 cm		10.6 x 11.6 x 6 in 26.9 x 29.5 x 15.2 cm		9.5 x 17 x 6 in 24.1 x 43.2 x 15.2 cm		9.5 x 17 x 8 in 24.1 x 43.2 x 20.3 cm	
Overall Dimensions (L x W x H)	9 x 12 x 10.5 in 22.9 x 30.5 x 26.7 cm		14.5 x 12 x 10.5 in 36.8 x 30.5 x 26.7 cm		15.5 x 17 x 12 in 39.3 x 43.2 x 30.5 cm		22.5 x 17.5 x 12 in 57.2 x 44.5 x 30.5 cm		22.5 x 17.5 x 14 in 57.2 x 44.5 x 35.6 cm	
Electrical Requirements (V/Hz/A)	120/60/1.1	240/50/5	120/60/3.3	240/50/1.6	120/60/8.6	240/50/4.5	120/60/12	240/50/6	120/60/12	240/50/6
Shipping Weight	9 lbs / 4.1 kg		14 lbs / 6.4 kg		22 lbs / 10 kg		25 lbs / 11.3 kg		28 lbs / 12.7 kg	
Part Number	120V	WBE02A11B	WBE05A11B		WBE10A11B		WBE20A11B		WBE28A11B	
	240V	WBE02A12E	WBE05A12E		WBE10A12E		WBE20A12E		WBE28A12E	

## Regulatory Compliance & Testing

ETL - 60Hz  
CE - 50Hz  
RoHS2 - All Units

## Safety

- High limit alarm
- Over-temperature/low liquid alarm
- Redundant safety thermostat
- Eco mode for heat-off use

YOUR CONTACT INFORMATION HERE