# Introducing
# Premium Digital Water Baths

High-gabled lids accommodate taller media bottles

Clear, hinged cover tilts out of the way, lets condensation drain back into the bath and keeps samples in view

Easy-to-read, full-color TFT display provides more information

Rear-mounted drain*

**37.0°C**
SET = 37.0°C

PolyScience

Programmable Presets

Recessed handles for easy positioning

Large square buttons for easy navigation
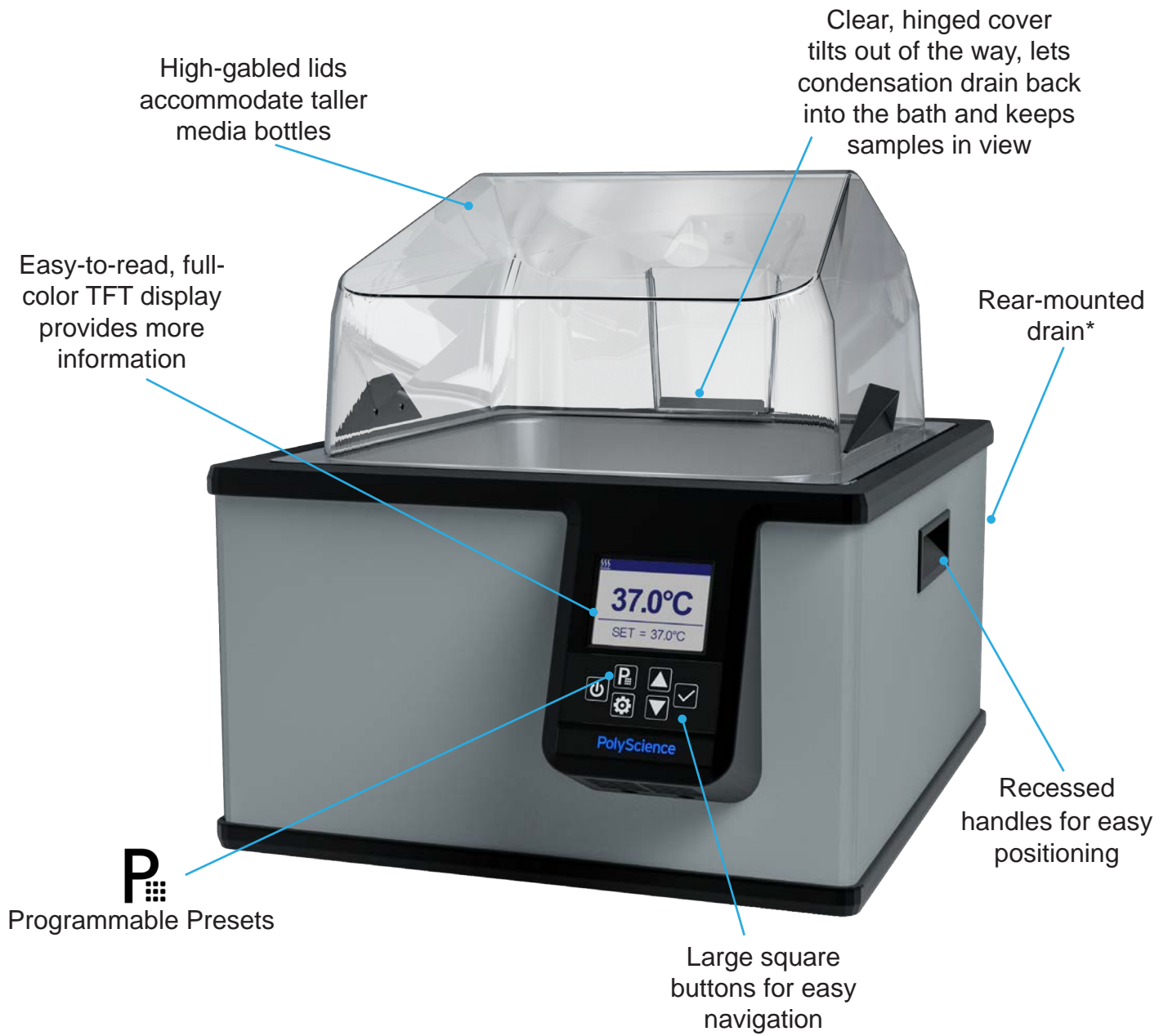
FIVE LANGUAGE SETTINGS

## PolyScience®
Temperature Control Solutions
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. |

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# Full-color TFT Display
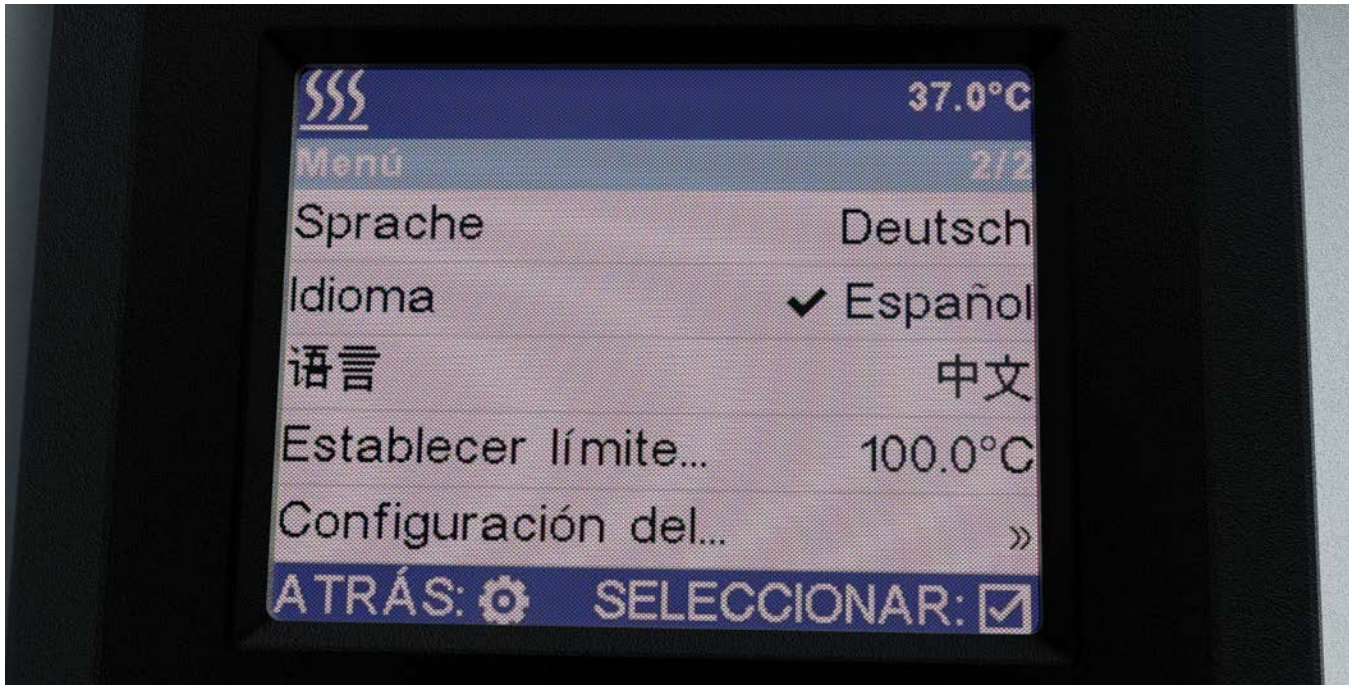


Does a general purpose water bath really need a full-color TFT screen? Yes! This screen includes many distinct advantages over 7-segment and fixed monochromatic LCD displays that significantly improve ease of use and overall user experience.

- 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 ℗.

- 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.



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# 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 |
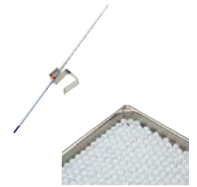
## TEST TUBE RACKS FOR GENERAL PURPOSE BATHS

| | Maximum per Sample Tray | | | | | |
|---|---|---|---|---|---|---|
| | 2 L | 5 L | 10 L | 20 L | 28 L | Part Number |
| 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.

| polytherm M170 | | | | | |
|---|---|---|---|---|---|
| 0°C | 60°C | 100°C | 160°C | 200°C | 260°C |

| polyclear MIX 30 | | | |
|---|---|---|---|
| -60°C | 0°C | 60°C | 100°C |

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## Specifications

| | 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

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