

# Instruction Manual for the Revolutionary Science RS-PB-50 Mini Pro Bath



**REVOLUTIONARY SCIENCE**

*Manufacturer of Precision Laboratory Equipment*

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NOTE: This manual contains important information, safeguards and operating instructions for the operation of the REVOLUTIONARY SCIENCE model RS-PB-50 Mini Pro Bath by Alternative Pioneering Research & Development, Inc. (APR&D, Inc.)

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**REVOLUTIONARY SCIENCE**

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## Introduction

Thank you for purchasing the Revolutionary Science RS-PB-50 Mini Pro Bath. We are confident that when used correctly, our water bath will provide years of reliable service in your lab or classroom. We have made every effort to use high quality, durable parts to deliver the performance expected of instruments costing 3 to 4 times as much.

Please let us know what you think of our products, positive or negative, so we can continue to enhance and improve our products in the future.

Sincerely,

REVOLUTIONARY SCIENCE



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To maximize the use of this Mini Pro Bath, please complete this short list before using the RS-PB-50:

1. Examine carton and packaging for possible damage caused during shipping. If damage is present contact carrier at once.
2. Fill out the checklist (page 8 of instruction manual).
3. Carefully read the instruction manual.
4. Fill out warranty registration card and mail it to Revolutionary Science.

## **Recommended Safeguards**

1. Never attempt to move the Mini Pro Bath when water in chamber is hot, doing so could cause severe burns. Wait until water in chamber is cool enough to touch.
2. Never attempt to disassemble or modify the RS-PB-50.
3. Never operate bath when chamber is dry.
4. Use only deionized water.
5. Keep cover in place when operating.
6. Do not operate on wet surfaces.
7. Make sure the power cord is clear of hot surfaces and other hazards. We recommend any slack in the cord to be wrapped up and held together with a twisty tie.
8. Do not use around flammables, combustible materials, or explosives.
9. Keep vents clear from other equipment and avoid setting unit on soft, fluffy surfaces. This will allow for effective air flow.
10. Do not heat any substances that may release fumes considered to be toxic.
11. Plug the RS-PB-50 power cord into a grounded electrical outlet only of the appropriate voltage.
12. Like all heating and cooling equipment their efficiency depends upon the external or ambient temperature. If the ambient temperature decreases, the maximum efficiency may decrease.

### **Recommended Room and Storage Conditions:**

- Do not store your water bath in direct sunlight, or in dusty or poorly ventilated areas.
- Do not store in a cold or moist room for periods of time.
- Never immerse your water bath in water.

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## Operating Instructions

### (1) PLACEMENT:

Place unit on a stable, hard surface away from the edge of the counter and moving equipment.

### (2) CONNECTING THE POWER:

Plug the power cord to your RS-PB-50 into a grounded electrical outlet of the appropriate voltage. The RS-PB-50 requires only 200 watts, so almost any circuit should do. Make sure the cord is routed safely away from mechanical hazards and hot surfaces. Avoid routing the cord where others may trip on it or snag it.

### (3) TO OPERATE THE RS-PB-50:

To turn the water bath on flip switch and turn knob to desired setting. To increase water temperature, rotate knob clockwise. To decrease water temperature, rotate knob counterclockwise.

## Care and Maintenance

Your water bath should be cleaned periodically to ensure optimal performance, cleanliness, and to eliminate contamination. Clean your REVOLUTIONARY SCIENCE RS-PB-50 only when it is not plugged in. Scrape residue from the chamber walls. Follow through with a cloth soaked in water and bleach or mild detergent, wipe the inside and outside of the unit. Then let air dry or wipe with a dry cloth.

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## Mini Pro Bath Specifications

Model No.:	RS-PB-50
Precision:	±2.0°C
Controller:	Analog
Power Requirements:	120 VAC, 50-60 Hz, 200 watts.
Net Weight:	2.3 lbs.
Capacity:	0.5 liters
Cover:	Polymer cover included
Outside Dimensions:	20.3cm diameter x 11.4cm tall 8.0" diameter x 4.5" tall
Inside Dimensions:	10.5cm diameter x 6.5cm tall, 4" diameter x 2.6" tall
Temperature range:	Ambient to 100° C
Warranty:	2 year, repair or replacement

## Contact Us

Mailing address:	Toll Free: (800) 775-7942
Revolutionary Science	Fax: (775) 218-7015
17319 Lake Blvd.	E-mail: <a href="mailto:support@revsci.com">support@revsci.com</a>
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## Registration

For your future reference and to expedite answers to your questions, please complete the following information:

Date Purchased: \_\_\_\_\_

Serial Number: \_\_\_\_\_

Model Number: \_\_\_\_\_

Purchased From: \_\_\_\_\_

## Full Two Year Warranty

Your REVOLUTIONARY SCIENCE RS-PB-50 is warranted to be free from defects of material or workmanship under normal use for a period of two years from date of purchase. If your RS-PB-50 proves to be defective within this warranty period, Revolutionary Science will repair or replace your unit at our option. This warranty will be void if malfunction is caused by accident, misuse, or negligence, including tampering, abuse, or damage in transit. This warranty excludes any relief for incidental or consequential damages. Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you. This warranty gives you specific legal rights; you may also have other rights, which may vary from state to state. Your RS-PB-50 comes with several built in safety features. Any attempt to interfere with the operation of these features makes this warranty null and void.

To validate this warranty, be sure to complete and return the Warranty Registration Card, found on page 7.

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Please fill out this page, or a copy of it, and send it to the address below to validate your warranty.

**Warranty Registration Card** for the  
REVOLUTIONARY SCIENCE RS-PB-50 Mini Pro Bath

(Please Print)

Date Purchased: \_\_\_\_\_ Serial Number: \_\_\_\_\_

Purchased From: \_\_\_\_\_

Name of Purchaser: \_\_\_\_\_

Company  School  Individual (Please check one)

Name of institution: \_\_\_\_\_

Department: \_\_\_\_\_

Address: \_\_\_\_\_

Intended use: \_\_\_\_\_

Where did you hear of our product?: \_\_\_\_\_

Comments: \_\_\_\_\_

Mail to: Revolutionary Science  
17319 Lake Blvd., Shafer, MN 55074

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