



# Peltier Bead Baths

Bead Bath 7L and 14L

**SHELDON**  
MANUFACTURING, INC.

## Peltier Bead Bath 7L and 14L



Peltier Bead Bath 7L  
75400-707



Peltier Bead Bath 14L  
75400-714

### Lab Armor revolutionizes the scientific bath industry with the Peltier Bead Bath!

Utilizing Peltier Thermoelectric Cooler-Heater (TEC-H) technology, the Peltier Bead Bath is an all-in-one unit that efficiently controls the temperature in chilled and heated applications. The air jacketed design is exclusive to the Lab Armor Peltier Bead Bath, and it is the only bead bath on the market with both cooling and heating capabilities.

The Peltier Bead Bath works with Beads to deliver exceptional temperature uniformity and securely hold lab vessels of various sizes in place. Samples may be conveniently transported using the removable Lab Armor Peltier Bead Baskets. The Bead Bath helps prevent the risk of sample contamination by removing water from many laboratory processes. These design features allow the Peltier Bead Bath to perform the role of multiple appliances, reducing benchtop space requirements.

Model Name [100-240 Volt]	Peltier Bead Bath 7L	Peltier Bead Bath 14L
Ordering Number with Beads	75409-707	75409-714
Ordering Number without Beads	75400-707	75400-714
Capacity	0.26 cu.ft. (7.4 liters)	0.52 cu.ft. (14.8 liters)
Dry Weight*	46.6 lb (21.2 kg)	80.8 lb (36.7 kg)
Net Weight**	69.0 lb (31.3 kg)	125.6 lb (57.0 kg)
Exterior Dimensions (W x D x H)	16.1" x 22.1" x 12.1" 408 x 562 x 308 mm	30.4" x 24.2" x 12.2" 772 x 615 x 310 mm
Temperature Uniformity	±0.4°C at 4°C ±0.5°C at 37°C ±1.5°C at 70°C	±0.5°C at 4°C ±0.5°C at 37°C ±1.3°C at 70°C
Temperature Range	2°C - 70°C	2°C - 70°C

\*Bath empty with no beads loaded.

\*\*Bath filled with beads.

## Features

- 1 Acrylic Viewport to Monitor Samples without Opening Lid
- 2 Sealing Lid for Better Temperature Stability
- 3 Removable Aluminum Bead Baskets for Easy Handling
- 4 Peltier Thermoelectric Cooler-Heater (TEC-H) Device
- 5 Control Panel with Digital Temp Display
- 6 Robust All Steel Construction
- + 2 Year Limited Warranty
- + Certified to IEC 61010 Safety Standards



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Peltier Bead Bath 7L  
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### Accessories

9551101	7-Liter Aluminum Bead Basket
9551102	3-Liter Aluminum Bead Basket
9551103	7-Liter Copper Bead Basket
9551104	3-Liter Copper Bead Basket

## Applications

- Quality Control
- Veterinary Science
- Water Treatment
- Sample Cooling
- Media Thawing
- Performance Testing
- Transitional Milk Thawing
- Stabilized Thawing
- Research & Development
- Food & Beverage Testing

Standard 7L baths include one 7L aluminum basket. Standard 14L baths include two 7L aluminum baskets.

Aluminum and copper baskets are available in 3L and 7L sizes!



7L Aluminum and Copper  
Bead Basket  
9551101

PN 0740643 8/21

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