

**RECTANGULAR & SQUARE STAINLESS STEEL WATER BATHS**

ELECTRIC HEAT MODELS 1493, 1493-2, 1494 & 1494-2

(Please read these instructions completely before operating)

**PRODUCT INFORMATION**

Boekel's Rectangular and Square Stainless Steel Water Baths are table top concentric ring baths which provide a constant gentle uniform heat. The units are ideal for evaporating solvents or melting or dissolving solids. These water baths are constructed of corrosion resistant stainless steel and are manufactured with permanently attached legs for stability.

The model 1493 is a square water bath with four bath access holes and the 1494 is rectangular with eight access holes. Boekel's stainless steel water baths come fully assembled and are functional right out of the box. All water baths come with concentric ring covers, a water level and drain cock.

**UNPACKING**

1. Remove the water bath from the carton.
2. Inspect for damage. Report all shipping damage to the carrier immediately. Shipping damages are covered by the carrier and repair and/or replacement for shipping damages must be coordinated through the carrier.
3. Retain all packing material in the event that the unit must be returned.
4. Completely fill out and return the self-addressed Boekel warranty card.

**SET-UP**

1. Place the water bath on a flat surface capable of withstanding the radiated heat produced by typical water baths.
2. Connect a water supply line and a drain line to the unit's water level regulator. The water supply connects to the hose barb fitting and the drain line connects to the overflow tube bottom. Fill the water bath via the top to the desired water level (use distilled water whenever possible for filling and supply to reduce mineral deposit accumulation). Adjust the overflow tube in the water level regulator to the desired water height in the bath.

This adjustment is made by sliding the tube up or down so that the top of the tube is at the desired water height. Turn on the water supply so that a slight dripping is produced from the drain or bottom of the overflow tube. This set-up will allow the water bath to maintain a constant water level.

3. Plug the power cord into a grounded receptacle of the appropriate voltage.

**OPERATION**

1. Turn the main heater switch and the auxiliary heater switch to the "ON" positions.
2. Rotate the Control knob clockwise to increase the temperature. Counterclockwise rotation will reduce the temperature.
3. The red Pilot Light will illuminate when the heater is turned on. The light will alternate on and off when the bath reaches the desired temperature.
4. Allow 90 minutes for the temperature to equilibrate from a cold start. Allow at least 30 minutes for equilibration when adjusting the temperature. Turn the auxiliary heater 'OFF' once the desired bath temperature is reached. The main heater will typically keep the bath at the set temperature.

**CLEANING**

1. Disengage power cord before performing any cleaning.
2. The bath interior and exterior may be cleaned with a damp cloth or sponge and warm water.
3. Any mineral deposit should be carefully removed to keep the unit in good operating condition.

**SERVICE: RETURN AUTHORIZATION IS REQUIRED.**

Should service be required, contact your salesperson or call Boekel Scientific at 215-396-8200 for return authorization.

SPECIFICATIONS:				
Model #	Openings	Size	Electrical	Weight
1493	4 (5" Dia.)	14" x 14" x 5" deep (8" total height)	115VAC, 1250W	10 lbs.
1494	6 (5" Dia.) & 2 (6" Dia.)	28" x 14" x 5" deep (8" total height)	115VAC, 1200W	16 lbs.