

BPI Quart Ultrasonic Cleaner™

For use only by qualified personnel in a laboratory environment.

Due to high operating temperature, access should be restricted.

About Your BPI Cleaner

The BPI Quart Ultrasonic Cleaner (BPI #17001) is a multi-phasic ultrasonic that has cleaning power pulses which provide random-sized cavitation bubbles with no standing waves. It has an ON-OFF switch and a switch to allow selection between Multi-Phasic and Power Pulse operation.

For optimum cleaning, it is important to fill the tank to the correct level to ensure proper frequency resonance. An optional immersion tray is available for general parts cleaning. The Cleaner will give best results for general cleaning when used with BPI Ultrasonic "C", which has special chemical abilities that sequester ionic residue and may be used in almost all cleaning applications. Ultrasonic "C" must not come in direct contact with contact lenses.

For use only by qualified personnel in a laboratory environment. Do NOT allow any personal contact with ultrasonic energy.

Note

NEVER turn the Cleaner on when tank is empty as permanent damage may result. The tank should be at least ¾ full of water or diluted Ultrasonic "C" solution when the instrument is on. Always unplug unit from power source before filling tank.

DO NOT immerse hands in cleaning solution while unit is in operation.

HEIGHT	WIDTH	LENGTH	VOLTAGE	WEIGHT	FUSE	AMPERAGE
7.75 in.	8.25 in.	9 in.	115 or 220 v.	6 lbs	2 amp	1 amp
196 mm	209 mm	228 mm		2.72 kg		
TANK DEPTH	TANK WIDTH	TANK LENGTH	TANK CAPACITY	PEAK POWER	SET-UP KIT	
4 in.	6 in.	5.25 in.	1 Quart	125 watts	1 Lid 1 Instruction manual	
102 mm	152 mm	133 mm	946 ml			

NEVER remove ground prong from power plug as it ensures safe electrical operation.

NOTE: Ultrasonic energy generates heat in the solution. This instrument, when left running for extended periods of time, may cause the solution to approach boiling. You should periodically check the item(s) being cleaned to avoid unnecessary thermal exposure. Use caution when immersing hand.

Specifications

Your Cleaner has a non-removable stainless steel tank contained in a stainless steel chassis. The Cleaner requires 115 volts, 60 Hz unless otherwise ordered. For 220v applications use with a BPI Euro CE Line Adapter™. (BPI#66201).

Unpacking

When unpacking your ultrasonic cleaner, please check to ensure that no concealed damage occurred in transit.

If such is noted, save the shipping carton and immediately notify the shipping company's damage control inspector in your area so a claim may be processed.

Failure to do this may void any future claim and replacement. Also, call BPI Customer Service so arrangements for a replacement may be made.

General Cleaning

1. Fill tank with tap water approximately ¾" from the top; wipe excess water from the cabinet and work area and plug in the power cord.
2. Add 2 capfuls (1 oz.) of BPI Ultrasonic "C" cleaning concentrate to water in tank.
3. Place items to be cleaned in tank. When cleaning frames with lenses, make sure to face the lenses upward so they do not rest on the bottom of the tank.
4. Turn the unit on.
5. For most cleaning operations, 1 - 3 minutes of Multi-Phasic cleaning is sufficient; more difficult jobs will require power pulses and proportionately longer times. You will notice that the Scrubber will not harm the thinnest gold platings.
6. When the cleaning is completed, turn off both power switches; remove cleaned items promptly.
7. If cleaning jewelry, DO NOT place pearls or opals in the scrubber. While other gems may be cleaned in the Scrubber, BPI assumes no liability for these items.



BPI Quart
Ultrasonic
Cleaner™

Soft Contact Lenses

The cleaning of a soft contact lens is a difficult process even with the best of chemicals. The BPI Cleaner will remove most mucoprotein deposits by fracturing them into microscopic particles, breaking their structure so they can no longer attach themselves to the lens matrix. The BPI Cleaner changes the frequency of oscillation and phase angle of the wave fronts in a continuous manner that produces random-sized bubbles that fracture the protein and mucous matrix. The yellow color in soft lenses are due to thermal modification of the material is a physical part of the lens and cannot be removed.

Cleaning Soft Contact Lenses

1. Place each soft lens in the special bottle provided with the C.L. Rack; the bottle caps are marked R and L (right and left). DO NOT use the nylon mesh insert with soft contact lenses.
2. Place the lens manufacturer's suggested cleaning or storage solution in bottle, covering the lens by ½" of fluid. Screw lid on tightly; place bottle in special rack.
3. Turn unit on for 15-20 minutes. Power Pulse operation for the first 5 minutes may be helpful.
4. When lenses have finished cleaning cycle, turn bottle upside down and shake solution and lens to the cap; loosen cap and let excess fluid run out around bottle and lid so lens may be easily removed.
5. Follow lens manufacturer's suggested sterilization process before placement into patient's

C.L. Polish

BPI C.L. Polish (for HARD CONTACT LENSES ONLY) is a combination of selected polishing particles which have uniform shape, size, and hardness. These particles have been

suspended in a manner to give maximum heat dispersion and transfer while providing a maximum number of polishing particles at the lens surface at any given time.

Cleaning Hard Contact Lenses

1. First, be sure to place the nylon mesh insert in the bottom of the bottle before putting the hard contact lens in it. This insert is furnished to prevent the formation of a vacuum which may cause the contact lens to adhere to the bottom of the bottle. Removal of a lens may then be extremely difficult and cause damage to the lens.
2. Insert lens and add just enough water to cover it; then add 15 drops of C.L. Polish to the bottle.
3. Turn unit on for 15-20 minutes. Initial use of Power Pulse may be helpful.
4. Remove lens from bottle; wash thoroughly with water to remove polishing compound.
5. Then clean with the contact lens cleaner recommended by the lens manufacturer to remove any C.L. Polish that may be remaining.

Precautions

To be observed when using C.L. Polish:

If fluid comes into contact with eyes, wash immediately with water. If irritation persists, contact physician.

Questions? Ordering...

If you have any questions about the use of your gradient system or any other BPI product, or would like to order supplies, please give us a toll-free call using the number for your area.

Also available for the BPI Quart Ultrasonic Cleaner™	
IMMERSION TRAY	
BPI# 366500	Immersion Tray
LID	
BPI# 62700	Thermal Lid
BEAKER RACK	
BPI# 366100	Holds two 50 ml beakers
BPI# 366400	Holds two 250 ml beakers
BPI# 366300	Holds one 600 ml beaker
BEAKERS & ACCESSORIES	
BPI# 63600	50 ml Beaker
BPI# 362400	250 ml Beaker
BPI# 62300	600 ml Beaker
BPI# 362500	6-pack of rings for 250 ml Beaker
BPI# 63000	Lid for 600 ml Beaker
CONTACT LENS RACKS & VIALS	
BPI# 66200	Contact Lens Rack with 8 vials
BPI# 362100	Vial for Contact Lens Rack

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CAUTION
DO NOT IMMERSE UNIT.
DO NOT ALLOW ANY LIQUID
INTO INTERIOR OF UNIT.
This can void your warranty.