

Speedbrite 300SB Ionic Adapter For Your Ultrasonic

CONTENTS

Speedbrite Adapter
UL Approved Switchable 100v to 240vTransformer
Adjustable Metal Brace
Blue Isolated Screen
Instruction Sheet, Set Up Sheet and Warranty Card
Stainless Steel Coated Ring Wire Hanger
1 gallon Gem Sparkle Concentrate

INTRODUCTION

Your Speedbrite adapter is designed to add ionic capability to your ultrasonic cleaner. Surface tension reduction of imbedded soil and cleaning compounds is effected by using ionic at the beginning of the ultrasonic cycle which reduces cleaning time. Oxidation removal and brightening of metal is accomplished by using the ionic cycle at the end of the ultrasonic cycle. You may use only ultrasonic, only ionic or the combination of both cleaning methods.

Gem Sparkle Concentrate for the ultrasonic is an efficient degreaser and brightener and is formulated for peak cleaning efficiency. It is the cleaner as well as electrolyte for the ionic process. You need not worry about dangerous fumes from caustic chemicals. Gem Sparkle is odorless and safe when used as recommended.

PREPARATION

BE SURE TO PREPARE YOUR ULTRASONIC FOR THE IONIC ADAPTER. Some ultrasonics have a heavy buildup in the tank. This residue insulates the tank and reduces the activity of the ultrasonic. In addition, residue may be deposited on the piece being cleaned during the ionic process. Therefore, CLEAN your tank by filling with water and 6 oz. of Gem Sparkle. Suspend empty hanger across the tank being sure it touches the solution. Attach the clip and use three to four cycles to clean the tank. Dispose of the cloudy solution and repeat if necessary. Rinse well and your tank is ready to use.

INSTALLATION

Suspend the adapter on the OUTSIDE of the ultrasonic tank making firm contact between the brace and steel tank wall. The shorter end of the brace holds the adapter on a narrow wall ultrasonic; the longer on a wider walled tank. Tighten brace. REGULAR CLEANING of the brace will insure conductivity of this part.

OPERATION

1. Fill tank with water and Gem Sparkle. 1 part Gem Sparkle to 6 parts water for heavy soil.
For light soil, 1 part Gem Sparkle to 8 parts water. More for larger tanks
2. Place adapter on tank and tighten brace.
3. IONIC cleaning: Suspend items on the hanger in the solution and attach clip to the end of the hanger. Push button and you will observe bubbles forming on and around the pieces. This indicates the ionic process is working. Place pieces directly to the stainless steel wire.
A stainless steel steamer basket or tea strainer may also be used by attaching the clip directly to the basket. Optional
4. Use 1 to 2 cycles for 4-6 pieces, 1 to 3 cycles for 7-12 pieces. The ionic cycle is set for approximately 53 seconds, and may be safely repeated. (Except for silver, cut cleaning time in half)
5. Rinse articles and hands well and dry with a soft cloth.

CHANGING SOLUTION

Solution will need to be changed when the pink color changes to gray. Excessively dirty solution may cause darkening of the pieces being cleaned. If this should occur, discoloration can be removed in mild jeweler's pickle or running the ionic cycle again.

TROUBLE SHOOTING

1. Metal may darken if left in the solution after it is clean. Monitor cleaning time carefully.
2. Silver may darken if used with heat. Your ultrasonic will build up heat even if the heater is off. Silver is best cleaned in a cool or room temperature solution.
3. Metal will darken or short-outs occur if pieces touch the side or bottom of the tank. Pieces should not touch each other in the tank. Unclasp chains and draw through solution with clip attached to one end. Do not let silver chain touch itself while attached to the clip or hanger. If pieces are in a stainless basket, the ionic cycle is more forgiving and in most cases may touch each other.
4. Clean plated or lacquered silver with caution. It may discolor.
5. Certain oxidation may turn orange. It is easily removed with silver polish.

PRECAUTIONS

Emeralds, opals, pearls and other delicate stones may be safely cleaned using ONLY the ionic cycle. Follow normal procedures for safe cleaning when using the ultrasonic action.

Two layered screen are provided to protect tanks of varying sizes. (May have to be cut to fit)

PERSONS WEARING PACEMAKERS OR HEART MONITORS SHOULD AVOID USING ULTRASONIC AND IONIC EQUIPMENT.

WARRANTY

Speedbrite Ionic cleaners are guaranteed to be free of manufacturing defects for a period of one year from date of purchase. Warranty is void if unit has been altered in any way or not used as suggested in the operating procedure. Liability of Speedbrite shall be limited to the value of the Model 300SB.

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