



1.2QT ULTRASONIC CLEANER

The following list of chemicals can attack the stainless steel tank or the drain of your GemOro Powerful Ultrasonics unit. DO NOT USE ANY OF THESE CHEMICALS!!

Acetic Acid (70 + degrees F)	Ferrous Chloride
Acetol Chloride	Fluorine
Acetol Bromide	Freon
Methyl Alcohol	Hydrobromic Acid
Aluminum Chloride	Hydrochloric Acid
Aluminum Fluoride	Hydrocyanic Acid
Anhydrous Ammonia (70 + degrees F)	Hydrofluoric Acid
Aniline Hydrochloride	Hydrofluosilicic Acid
Antimony	Iodine
Antimony Trichloride	Ketones
Benzene	Lactic Acid (70 + degrees F)
Bromine	Magnesium Chloride
Calcium Hydroxide (50% + strength)	Mercuric Chloride
Carbon Disulphide	Muristic Acid
Carbon Tetrachloride	Oleic Acid
Chloroacetic Acid	Oxalic Acid (70 + degrees F)
Chloric Acid	Phosphoric Acid (70 + degrees F)
Chlorinated Water	Silver Bromide
Chromic Acid (70 + degrees F)	Silver Chloride
Citric Acid (70 + degrees F)	Sodium Hypochloride (5% +)
Copper Chloride	Stannic Chloride
Ethers	Stannous Chloride
Ethyl Bromide	Sulphur Chloride
Ethyl Chloride	Sulphur Monochloride
Ethylene Dichloride	Sulphuric Acid
Ferric Chloride	Sulphurous Acid
	Trichloroacetic Acid
	Zinc Chloride (70+degrees F)

Model 1.5PTSS Stock #1728
**Now with 50% more capacity!* Capacity: 1.5 Pint
 Tank: 6" x W 3 1/4" x 2 3/4"
 Watts: 25 Weight: 4 lbs.
 Stainless steel cover. For personal or countertop use. Basket sold separately. (Stock #1719)



1.5PTSS
Stock #1728

Model 2QTHSS Stock #1723
 Capacity: 2 Quart / 0.5 Gallon
 Tank: 5 1/2" x 5" x 4"
 Watts: 50 Weight: 7 lb.
 Heater, timer and stainless steel cover.
 Basket sold separately. (Stock #1709)

Model 3QTHSS Stock #1724
 Capacity: 3-Quart / 0.75 Gallon
 Tank: 9 1/2" x 5 1/2" x 4"
 Watts: 100 Weight: 9 lb.
 Heater, timer, stainless steel cover and drain.
 Basket sold separately. (Stock #1711)



2QTHSS
Stock #1723

Model 6QTHSS Stock #1725 (not shown.)
 Capacity: 6-Quart / 1.5 Gallon
 Tank: 11 1/2" x 5 1/2" x 6"
 Watts: 150 Weight: 14 lb.
 Heater, timer, stainless steel cover and drain.
 Basket sold separately (Stock #1713)



3QTHSS
Stock #1724

Model 10QTHSS Stock #1726 (not shown.)
 Capacity: 10-Quart / 2.5 Gallon
 Tank: 11 1/2" x 9 1/2" x 6"
 Watts: 200 Weight: 16 lb.
 Heater, timer, stainless steel cover and drain.
 Basket sold separately (Stock #1715)

The above measurements are in inches:
 Length x Width x Depth.

Warranty

Congratulations on your purchase of the GemOro Powerful Ultrasonics Model 1.2QT. Your ultrasonic features a ONE YEAR LIMITED WARRANTY from the date of its purchase assuming the purchaser fills out the enclosed WARRANTY REGISTRATION FORM and mails it back to the following address (postage prepaid) along with a copy of their invoice (bill of sale), within 30 days of its purchase. If this criteria is not followed, the Model 1.2QT will automatically be covered by a 90 DAY LIMITED WARRANTY from the date of your ultrasonic purchase, as noted on the bill of sale (if supplied) or through the Model 1.2QT's serial number tracking system as interpreted by the factory. The extent of the warranty coverage shall be for repair or replacement only and at the discretion of the factory. In the event the Model 1.2QT is no longer available or has been discontinued and warranty coverage is applicable, at the factory's sole discretion, an equivalent ultrasonic cleaner may be substituted in place of the defective Model 1.2QT. The purchaser shall incur the cost for return postage, insurance and handling for all warranty and non-warranty repairs.

GemOro® Powerful Ultrasonics 1.2QT Warranty Registration
 10455 Olympic Drive, Dallas, Texas 75220 USA
 Tel 800.527.0719 or 214.351.0380 Fax 800.832.9871 or 214.351.1903
 www.sykessler.com email: gemoroservice@sykessler.com

1.2QT ULTRASONIC CLEANER

Instructions for Use & Safety Precautions



1.2QT

ULTRASONIC CLEANER

Stock #1785

Instructions for Use & Safety Precautions

The Four Basic Steps:

- **STEP 1** – Connect to an electrical outlet receptacle or power source with the appropriate voltage 120 volt/240 volt (be certain you ordered an ultrasonic with the correct voltage for your application). Do not turn the unit on when empty or damage may occur!
- **STEP 2** – Add an appropriate mixture of tap water and GemOro Super Concentrate Cleaning Solution to the tank, filling it to the MAX fill line indicated inside the tank.
- **STEP 3** – Place the jewelry to be cleaned in the supplied basket or ring rack and submerge it in the tank, which must be filled with a water/solution mixture. Do not place items on tank bottom or damage may occur!
- **STEP 4** – Set the Model 1.2QT digital timer by pressing the “SET” button and scrolling through the preset times of: 90, 180, 280, 380 and 480 seconds. Once you reach the desired amount of cleaning time press the “ON” button to begin the cleaning cycle. Repeat this process if additional cleaning time is required.

Electrical Power Installation

Your GemOro Powerful Ultrasonics unit has been factory preset for use with 110V/120V or 220V/240V (export), with 50/60 Hz cycle operation. The Model 1.2QT is supplied with a Safe-Plug utilizing a special, differently sized two prong electrical plug. (Depending on the export country destination, the 220V/240V prong number, size and configuration may vary.) DO NOT modify the grounding prong as an electrical shock may occur! Install into an electrical outlet receptacle, which has a ground default device (GFI) for optimum safety operation. When possible, plug the ultrasonic into a separate dedicated circuit/outlet. Some electrical circuits/outlets will not supply enough power to properly run more than one electrical appliance, especially if large appliances such as steamers, polishers, etc. are being operated at the same time. Reduction of cavitation in your ultrasonic could be the end result of not enough power to your unit.

Water/Solution Mixture Used In Ultrasonic Tank

To achieve the highest degree of cleaning, the proper cleaning solution must be added to the water in the tank. We recommend GemOro Powerful Ultrasonic Cleaning Solution Concentrate, which is an excellent, specially formulated, super-concentrated, multi-purpose ultrasonic cleaning and degreasing solution. When one quart of GemOro Ultrasonic Cleaning Solution Concentrate is mixed at a 40:1 dilution ratio with water (for light cleaning such as cleaning rings right out of the showcase), it will yield approximately 10 gallons of cleaning solution. A 30:1 dilution ratio is recommended for medium cleaning (soiled jewelry that a customer has been wearing) and 20:1 ratio for heavy cleaning (a ring that is very dirty and/or has been repaired or soldered).

WARNING: Do not use flammable (alcohol based solutions, etc.) or acidic based (Drain-O, etc.) or ammonia based solutions (Mr. Clean, etc.) in your ultrasonic. NEVER TURN THE UNIT ON WHILE THE TANK IS EMPTY, under any circumstances!

Place the Jewelry to be Cleaned in the Tank Which Must Contain a Water Cleaning Solution Mixture

Submerge the jewelry to be cleaned in the tank no less than 1/2 inch below the solution surface to obtain optimal cleaning. Be certain not to place jewelry or anything being cleaned on the bottom of the tank, because it may damage the transducers and void the warranty. Be careful not to clean stones which may have many inclusions (ie: emeralds), because the ultrasonic waves and heat may crack the stone. Be certain not to clean water porous stones (such as pearls, opals, turquoise, etc.). They too may be damaged. Be certain not to clean any oil treated stones in any cleaning solution which may contain a degreasing agent, as the solution may revert the stone back to its untreated condition. Typically, items such as gold, silver, platinum, diamonds, rubies, sapphires etc., are safe for ultrasonic cleaning. For more specific information on which stones are suitable for cleaning in an ultrasonic, we suggest you contact a gemologist or GIA (The Gemological Institute of America.)

IMPORTANT: BE CERTAIN TO ADD WATER AS IT EVAPORATES FROM THE TANK AND DO NOT LET THE WATER LEVEL FALL BELOW 1 INCH FROM THE RIM. This will avoid harmful damage to the ultrasonic.

Degassing Period for Solution

Water that has not been “degassed” will cause the cavitation (action) of the ultrasonic to appear very slow or flat. Depending on the solution you are mixing with water in your unit, degassing time may vary from less than five (5) to as much as fifteen (15) minutes depending upon factors such as temperature and soap content. Degassing is the natural process of removing gasses from any tank solution being affected by ultrasonic sound waves. Degassing occurs whenever you first use your ultrasonic with fresh water/solution and will recur each time you

add to or change your water or solution. Again, DO NOT PANIC because after the degassing process has occurred, your GemOro Powerful Ultrasonics transducer will cavitate like no other ultrasonic on the market.

Incredible Cleaning Power

The special design of the powerful transducer and superior electronics used in the Model 1.2QT ultrasonic will provide extraordinarily fast cleaning for most any application.

Helpful Suggestions & Precautions

PLEASE FOLLOW CLOSELY TO AVOID LOSS OF WARRANTY COVERAGE!

- Change your solution regularly.
- Clean tank regularly.
- Cover your tank to avoid evaporation and lower noise
- Use GemOro Cleaning Solution Concentrate mixed with water for optimal cleaning.
- Operate with the proper level of water/solution in tank.
- Allow adequate time for the Degassing Process.
- Never put your fingers into an active, running ultrasonic tank, as repeated exposure to ultrasonic sound waves may be harmful.
- When emptying and cleaning tank, always unplug from the electrical outlet FIRST.
- Be certain not to allow jewelry or other items to rest on the bottom of the tank.
- Be certain not to allow the water/solution in the tank to drop below two inches from the bottom.
- Be certain not to place flammable, acidic or ammoniated liquids in the tank, as they may ignite and/or cause injury to you and also cause damage to your ultrasonic which will void the warranty.
- Do not install plug into an ungrounded electrical outlet.
- Never operate the ultrasonic without water/solution in the tank.
- For any problems or questions, please consult your supplier.

Recommended Cleaning Solution

GemOro Powerful Ultrasonic Cleaning Solution Concentrate is available in Quart and Gallon size containers. The solution dilution ratio with water is 40:1 for light cleaning and 20:1 for heavy cleaning. This solution is recommended for removing dirt, grease, buffing compounds, rouge, tripoli and oxides. It may also be used for cleaning instruments, burs, metal parts, gold, platinum, fine jewelry and more. The solution is non-ammoniated, with no color additives, it is super concentrated, bio-degradable, non-toxic and non-flammable.



Warranty Registration Card

Fill in the information below, cut off along the dotted line, and mail to: GemOro® Sparkle Spa Warranty Registration, 10455 Olympic Drive, Dallas, Texas 75220 USA within 30 days of purchase. Be sure to enclose a copy of the invoice / bill of sale.

PURCHASED BY:

Name _____ Company _____

Address _____

City _____ State _____ Zip _____

Phone _____ Fax _____

Email _____

Stock #1785 Serial# _____ Date of Purchase _____

PURCHASED FROM:

Company _____

Address _____

City _____ State _____ Zip _____

Phone _____ Fax _____

Email _____

Website _____

GENERAL INFORMATION:

Why did you choose to buy the 1.2QT over competitive ultrasonics? _____

What application do you intend to use your new 1.2QT? _____

Are you satisfied with your 1.2QT and would you recommend it to a friend? _____

How would you improve the 1.2QT if you could change its design? _____

Did your supplier provide adequate service when selling you the 1.2QT? _____

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