ULTRASONIC CLEANERS
MODEL NO: **SCT03.V2, SCT09.V2, SCT27.V2**

Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions, and properly maintained, give you years of trouble free performance.

IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.


Refer to instructions


Wear eye protection


Wear protective gloves


Electrical shock hazard


Hot surfaces

1. SAFETY

1.1. ELECTRICAL SAFETY

❑ **WARNING!** It is the user's responsibility to check the following:

✓ Check all electrical equipment and appliances to ensure that they are safe before using. Inspect power supply leads, plugs and all electrical connections for wear and damage. Sealey recommend that an RCD (Residual Current Device) is used with all electrical products.

Electrical safety information. It is important that the following information is read and understood:

✓ Ensure that the insulation on all cables and on the appliance is safe before connecting it to the power supply.

✓ Regularly inspect power supply cables and plugs for wear or damage and check all connections to ensure that they are secure.

Important: Ensure that the voltage rating on the appliance suits the power supply to be used and that the plug is fitted with the correct fuse.

× **DO NOT** pull or carry the appliance by the power cable.

× **DO NOT** pull the plug from the socket by the cable.

× **DO NOT** use worn or damaged cables, plugs or connectors. Ensure that any faulty item is repaired or is replaced immediately by a qualified electrician.

If the cable or plug is damaged during use, switch off the electricity supply and remove from use.

Ensure that repairs are carried out by a qualified electrician.

1.2. GENERAL SAFETY

× **DO NOT** run the cleaner continuously for more than one hour at a time, as doing so can damage the internal components.

× **DO NOT** operate the unit without fluid in the tank. Always ensure the fluid is no higher than 2/3rd full. Always ensure there is a minimum depth of 7cm.

× **DO NOT** drop any item into the tank as this may cause damage to the transducer.

✓ Always place the items gently into the tank and use the basket whenever possible.

✓ The more items that you place in your cleaning bath the less efficiently it will clean. It is not advised to overlap items. Always allow plenty of clear space between the items.

✓ Keep the lid on during use. This will prevent splashes and reduce evaporation of the fluid.

× Never immerse the machine or power cord in water or other liquid.

× **DO NOT** touch the power plug with wet hands, especially when inserting or removing the plug.

× **DO NOT** touch the unit if the machine has fallen into water during operation. Remove the power plug from the socket first.

× **DO NOT** disassemble the machine, except by professionals.

✓ **UNPLUG** the power source while filling or emptying the tank.

× **DO NOT** spray water or liquid over the device and the control panel.

× **DO NOT** operate the cleaner without proper grounding.

× **DO NOT** place the device on a soft surface, where the vents could be blocked.

✓ Upon completion of the cleaning cycle, turn the heater off and isolate the machine from the electrical supply.

✓ Take care when adding or removing items from the cleaning tank as the fluid is likely to be hot and displaced fluid can damage the internal components. Any displaced fluid must be dried up immediately.

✓ This device is not intended to use by individuals with restricted physical sensory or metal capacities or those with lack of experience or knowledge, including children, unless they are supervised by an individual who is responsible for their safety or have received training in operating the device.

2. INTRODUCTION

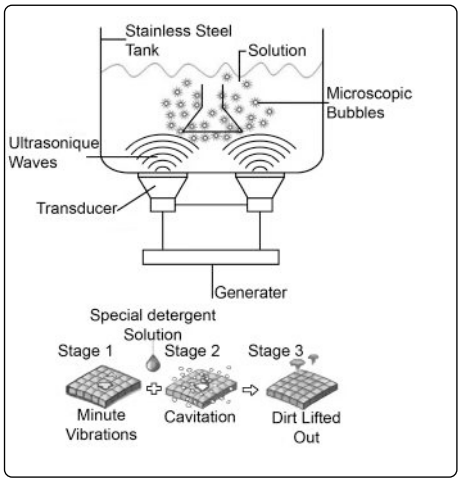
Perfect for cleaning all small hard parts. Widely used by jewellers, watch, bicycle, car and motorcycle repairers, plus precision and model engineers. An ultrasonic cleaner that achieves great results on delicate items such as watch parts, PCB boards and electrical components, as well as mechanical items such as carburettors, spark plugs and injectors. The Degas function purifies the liquid in the tank to speed up the cleaning process. Using ultrasonic wave vibration, the intense cleaning action of the microscopic bubbles can penetrate the most inaccessible parts to remove dirt and grime. Achieve a pristine condition without any damage or wear to item. Made from durable stainless steel and fitted with a drain tap for easy emptying and mesh basket to keep smaller components together. Features soft cleaning mode enabling you to clean your more fragile items.

Recommended for use with Sealey Ultrasonic Cleaning fluids model no. SCT25D or SCT5D

3. SPECIFICATION

Model No:	SCT03.V2	SCT09.V2	SCT27.V2
Fuse Rating:	13A	13A	13A
Maximum Working Capacity:	3L	9L	27L
Minimum Working Capacity:	2L	5L	14L
Motor Power:	120W	240W	600W
Overall Dimensions (W x D x H):	265 x 165 x 225mm	370 x 265 x 280mm	580 x 325 x 335mm
Plug Type:	3-Pin BS	3-Pin BS	3-Pin BS
Supply:	230V	230V	230V
Tank Dimensions (W x D x H):	240 x 135 x 100mm	300 x 240 x 150mm	500 x 300 x 200mm

4. APPLICATION



❑ **WARNING!** Provided the product is non-porous and can normally be immersed in water almost anything can be thoroughly cleaned. Here are some examples:

4.1. **GOLD-SMITHERY AND SILVER-SMITHERY:** Non-porous jewellery, Necklaces, bracelets, rings, precious stones, watch casings and straps, precision mechanical movements.

4.2. **MANUFACTURING**: Aerospace, Defence, Automotive, Marine, Filtration, Moulding, Plating & Surface Finishing, Semi-Conductors.

4.3. **OPTICAL:** During edging and polishing, debris and abrasives can scratch lenses. Ultrasonic cleaning can effectively protect the lenses.

4.4. **REGENERATION:** For cleaning dot matrix printers and photocopier ink cartridges.

4.5. **MAINTENANCE**: Bicycle gears, air purifiers. It cleans out debris in tiny holes and crevices effectively.

5. PREPARATION

5.1. Carefully unpack the cleaner and remove all traces of packing materials from it.

5.2. Visually inspect the cleaner for any parts that may have become loose or damaged during transit.

5.3. Place the cleaner on a flat, clean surface where the cooling fans will receive adequate ventilation and ensure all controls are set to off.

5.4. Ensure the drain tap is in the closed position.

5.5. Ensure the power cord is securely plugged into the cleaner and that no part is likely to come into contact with moisture.

5.6. Carefully fill 2/3rds of the tank with a solvent solution.
NOTE: For demanding cleaning we recommend a small amount of washing up liquid, to increase the cleaning performance.

5.7. The cleaner is now ready for use.

× **DO NOT** exceed the filling line. Be aware of the displacement volume of the objects being treated to avoid overspill.

❑ **WARNING!** Items Not Suitable For Ultrasonic Cleaning:
Soft Jewellery: Pearls, emerald, ivory, coral. Agate, sea turtle shells, etc. Welded, Plated and Glued Items: Welded or plated metal items, glued items. Watches: Except diver's watches with depth rating over 50m(150ft). Others: Ceramic, camera filters with pre-existing cracks.

6. OPERATION

REFER TO FIG.1 FOR OPERATION CONTROLS

6.1. SET UP

6.1.1. Select your cleaning solution and fill 2/3rds of the tank.

× **DO NOT** exceed the filling line.

6.1.2. Be aware of the displacement volume of the objects being treated to avoid overspill.

▲ **DANGER! DO NOT** use alcohol, gasoline or flammable solutions. Doing so could cause a fire or explosion. Use only water-based solvents.

6.1.3. Place the items into the basket, Slowly lower the basket into tank. **DO NOT** allow items to contact the tank bottom and always use the basket to immerse items. The solution should cover the items - see section 6.1.1.
A: Plug the cleaner into (earthed) mains supply.
B: Turn mains supply on and turn on the power switch on rear side of the machine.
NOTE: After turning power on, the value you see on the temperature display is the actual temperature. To see set temperature of the solution, press the temperature button. The current time settings in minutes and seconds is shown the double width window.

6.2. TIMER

6.2.1. Press 'Time+' or 'Time-' to set the cleaning time. The timer will count down to 00:00 and the tank will switch off.
NOTE: Time is shown in minutes and seconds (fig.1). The maximum timer setting is 30 minutes.

6.3. HEATING

6.3.1. Press 'Heating' to start/stop heating. Press 'Temp+' or 'Temp-' to set the temperature (displayed in °C).

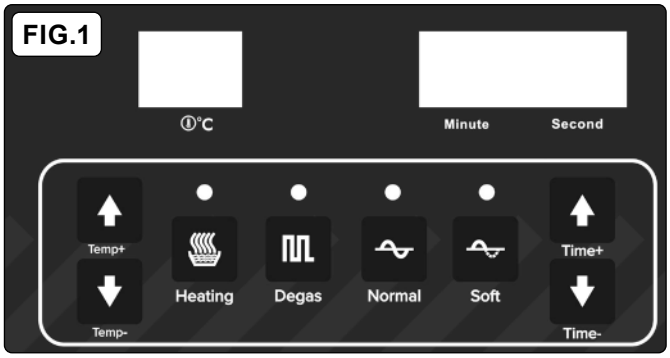
6.3.2. To get the best cleaning result, the solution's temperature should be 40° to 60°C. Warm water and dish washing liquid can soften grease and improve cleaning results. Heating range is from 5°C to 80°C.

6.3.3. When setting the temperature, if you want the temperature of the bath to be higher than the current temperature, press the 'Heating' button. The heating will come on. If the required temperature is below the ambient temperature, the heating will not come on. If the timer is used, heating will shut off automatically when the timer reaches zero.

6.4. DEGAS MODE

6.4.1. To degas a fresh solution, use the degas mode. Press the degas button 3 times within 3 seconds.

6.4.2. The unit will cycle through 6 second and 3 second periods until the time reaches zero.



6.5. NORMAL MODE

6.5.1. After timer and temperature setting, press the 'Normal' button, the Ultrasonic LED (fig.1) will turn on and the device will work in 'normal mode': continuously working with full ultrasonic power and countdown display.

6.6. SOFT MODE

6.6.1. Set the timer and temperature, press, 'soft mode', the button light will turn on and the device will work in soft mode. To transfer to another mode, press 'Degas' or 'normal', the 'soft mode' light will turn off and indicator light of 'degas' or 'normal' will turn on; To stop working, press 'soft' again, then both heating and ultrasonic will stop and the corresponding button light will turn off.

NOTE: Degas, Normal and Soft cannot be operated simultaneously.

▲ **DANGER**! In the event of failure/emergency, disconnect the mains supply.

7. MAINTENANCE

7.1. When the cleaning is completed, unplug the power cord, open the lid and retrieve the basket and the items.

7.2. Empty the tank and clean both the outside and inside of the device with a clean, dry cloth before next use. Keep the drainage valve closed. SCT09 and SCT27 have 1/2" BSP Female drain tap.

❑ **WARNING!** Strong acid or alkaline cleaning solution will cause corrosion, rust and even puncture of tank or machine body. To overcome this problem, dilute to mild PH solution.

Parts support is available for this product. To obtain parts, please log on to www.sealey.co.uk, email sales@sealey.co.uk or telephone 01284 757500

ENVIRONMENT PROTECTION

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.

WEEE REGULATIONS

Dispose of this product at the end of its working life in compliance with the EU Directive on Waste Electrical and Electronic Equipment (WEEE). When the product is no longer required, it must be disposed of in an environmentally protective way. Contact your local solid waste authority for recycling information.

Note: It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice. Please note that other versions of this product are available. If you require documentation for alternative versions, please email or call our technical team on technical@sealey.co.uk or 01284 757505.
Important: No Liability is accepted for incorrect use of this product.
Warranty: Guarantee is 12 months from purchase date, proof of which is required for any claim.

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