

Ultrasonic Performance Meter (UPM)



Soniclean in tune with high technology and customer needs has developed the ultrasonic performance meter (UPM). This instrument was developed to provide our customers with a device that would give an alternative to using alfoil to test if their ultrasonic bath was performing up to standard.

Although the alfoil test is recognized in the ultrasonic cleaning standards as being the method to test the ultrasonic performance there are problems associated with this including contamination of the bath with pieces of alfoil.

The UPM is more scientific by measuring the ultrasonic energy in the bath it can give an accurate reading of the level of ultrasonic activity.

The UPM is a more accurate way to measure the ultrasonic performance as the level of indentations in a piece of alfoil can be wide open to individuals' (human) interpretation.

The UPMs are calibrated to meet the alfoil test standard requirement and provides an easier, faster, cleaner and environmentally superior way of testing your ultrasonic bath.

features

- Can measure all areas in the ultrasonic bath
- Can measure individual transducer performance
- Gives a precise reading on the LED display
- Easy to use, just press a button
- Very fast and very clean
- Very compact and light to use
- Portable and battery powered
- No maintenance required
- Very cost effective



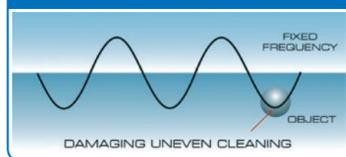
Pulse Swept Power (Adaptive)

Ultrasonics is now considered "world's best practice" when it comes to cleaning in the reprocessing procedure for surgical instruments. Surgical instruments cannot be sterilized without cleaning. With Soniclean's "Pulse Swept Power"™ technology is recognised by leading institutions as the safest and most efficient method of cleaning surgical instruments.

Soniclean pioneered "Pulse Swept Power"™ in the 1990s and since then made further improvements to this innovative approach to the cleaning of surgical instruments.

We now have Adaptive Pulse Swept Power which now provides the flexibility for programming the cleaning parameters and for "Future Proofing" for future software upgrades.

Conventional Fixed Frequency



PULSE SWEPT POWER



How does "Pulse Swept Power" work?

Broadband ultrasonics create ultra high frequencies that literally pull the water apart from billions of cavitations in the form of bubbles that build up pressure and burst bombarding the surfaces and crevices of the instruments. These minuscule bubbles loosen and gently remove microscopic particles of contaminate from the delicate and expensive surgical instruments without the need for harsh manual scrubbing.

The sound waves set up by the ultrasonics create 'pulses' and these are 'swept' through the liquid bath to ensure that all parts of the bath are reached with an even level of high 'power'.

"Pulse Swept Power"™ is a trade marked technology developed by Soniclean designed to meet the highest International standards for ultrasonic cleaning technology.

Innovative, cutting edge, leadership, these are words that can be used to described Soniclean.

Soniclean is one of the world's leading manufacturers of medical instrument ultrasonic cleaning solutions and machines.

Although the company focus is on cleaning "medical devices" Soniclean also manufactures ultrasonic cleaning machines for many other applications.

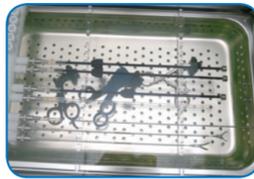
These applications benefit from the high stringent design requirements needed for the medical device cleaning machines.

Based in Adelaide in South Australia, Soniclean's Head Office and Reseach and Development facility is located at Adelaide University Precinct adjacent to the Bio-Technology Park established by Bio Innovation SA.

The company is committed to saving resources and minimization of waste. Sonicleans green technology reduces the use of chemicals, water and power and at the same time delivering valuable time savings.

The company is customer-focused and enjoys a high level of customer satisfaction.

Driven with a can-do attitude Soniclean offers outstanding after-sales service providing preventative maintenance and the ongoing supply of detergents.



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ADAPTIVE PULSE SWEPT POWER

Ultrasonic Digital Bench-tops

WITH PULSE SWEPT POWER

Soniclean is one of the world's leading manufacturers of medical instrument ultrasonic cleaning machines.

They offer gentle effective cleaning that will not damage your valuable instruments or components.

Environmentally safe these machines are so easy, so fast and effective saving time and money for your cleaning operation.

Sizes range from 1.6 litres to 80 litre capacity baths.

These units come with optional heater and built in user programmable key pad and digital display, enabling the 'set-and-forget' operation, compact and sealed against harsh external environment.

The machines have inbuilt safety devices for the protection and life extension of your machine.

They are easy to clean and maintain and there is a range of accessories available that allows the units to be used for a wide and varied range of cleaning applications.

Our ultrasonic cleaners are made to meet Australian and International standards ISO 9001-2000, AS/NZS 2773, AS/NZS 4187, TGA listed ARTG 104498 and CE compliant.

features

- Easy to use
- Extremely quiet and powerful
- Silent keypad with digital display
- Low profile and compact footprint
- Programmable cleaning process
- Wide range of sizes
- Extensive built in safety devices
- Future proof with software upgradeable functionalities
- Sealed unit to IP66/67
- Drain standard with all models
- Selectable power levels
- Temperature control (Heater models)
- Real time data on digital display
- Optional lid interlock
- 240 volt and 110 volt options

accessories

- Wire baskets
- Acrylic basket, tray, beaker holders
- Glass beakers
- Small parts basket holder
- Detergent



Ultrasonic Irrigator

WITH PULSE SWEPT POWER

Cleaning inside and outside of cannulated surgical instruments at the same time is paramount in the sterilizing process.

The Soniclean Ultrasonic Irrigator is designed specifically to clean cannulated surgical instruments but can also clean non cannulated surgical instruments the same time as cleaning the cannulated.

This represents time saving in the cleaning of surgical instruments for busy CSSD Hospital Operations.

This fully automatic and programmable machine has received wide general acceptance with a large number of hospitals in Australia and in many other countries.

The pulsed irrigation action flushes through the cannulated instruments ensuring a perfect clean, reducing the risk of cross infection.

Like the Soniclean bench top range the Ultrasonic Irrigator is easy to use and employs the same 'set-and-forget' operation and the clear acrylic lid allows the cleaning operation to be observed during the cleaning process. The lid is electronically interlocked so if the lid is lifted during the cleaning operation the process will stop and the interruption is recorded.

Another feature of the Ultrasonic Irrigator is the Machine Reporting System (MRS). The MRS records the each cleaning operation and validates with the machines designed parameters and stores it in the machines memory for downloading and used for records or diagnostics.

A further option is for a printer that will provide a printout with details of the particular clean and pass or fail indication for records and tracing purposes.



features

Effective cleaning:

- Designed to clean all sizes of cannulated instruments with interchangeable adapters
- Cleans cannulated and non cannulated instruments separate or simultaneously
- Programmable ultrasonic and control functions
- Fresh water flushing through hollow instruments

Simple, versatile and precise operation of irrigator:

- Auto fill and empty of water
- Auto dosage of detergent
- Number of cleaning cycles programmable
- Digital display to show status of cleaning cycle

Easy instrument loading:

- May be loaded with tray inside or outside the machine
- Flushing ports are mounted with swivel on/off facility
- Interchangeable instrument adaptors
- Adjustable instrument rack



Ultrasonic Washer

WITH PULSE SWEPT POWER

For busy CSSD (Central Sterile Supply Departments) Soniclean has developed the Modular Ultrasonic Washer.

This versatility of the machine can be configured in many ways to meet your particular requirements.

The modular construction allows for a single or double tank or even triple tank configuration to provide your cleaning solution. Most requested is the double tank configuration with Ultrasonics in one tank and rinsing in the other. These can come with cannulated irrigation or non cannulated configurations.

Another feature is the optional auto lifter facility that takes out the heavy lifting of loaded trays in and out of the unit.

The machines also come in 60 litre or 80 litre sizes depending what capacity you need.

This machine has been designed to clean and decontaminate surgical instruments prior to sterilization using Sonicleans "Pulse Swept Power" technology. It has the optional automatic lifter facility with full automation of the cleaning functions.

The Soniclean Ultrasonic Washers have been expertly designed in consultation with practicing professionals.

Like all Sonicleans ultrasonic cleaners the Ultrasonic Washers are built to the highest standards and conform to the requirements of ISO9001-2000 Quality system and tested to meet CE compliance.

The Ultrasonic Washers can be custom made to suit individual requirements. Time equals money and the Soniclean Ultrasonic Washer is an investment in both.

features

- Fully automatic and programmable
- Configuration flexibility
- Single, Double or Triple tank configurations with ultrasonic, rinse and drying operations
- Acrylic lid easy to see cleaning process in action
- Digital display showing cleaning progress
- Optional auto lift mechanism
- Rinse and dry options
- Stainless steel construction
- Easy to clean down
- Data logger and machine reporting system (MRS)
- MRS data storage and diagnostic port
- Data LAN / Internet connection

