


Is your ultrasonic cleaner producing adequate cavitation for cleaning action?

Washers fail to clean for many reasons. Tests should provide a means of monitoring the variables that influence the effectiveness of a washer/sonic irrigator. Some of these variables are:

- Water Quality
- Time
- Detergent
- Temperature
- pH level

The Joint Commission and AAMI both recommend that Sterile Processing departments have process performance monitoring programs in place. Using the SonoCheck™ ultrasonic cavitation test according to the manufacturer's guidelines helps ensure adherence to both TJC and AAMI standards and an effective cleaning process.

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It is invisible to the human eye, but with the SonoCheck™ you can test for the presence of cavitation energy — the cleaning power of your ultrasonic cleaner.



Cleaning using an ultrasonic process is primarily accomplished with cavitation. This cleaning method is different from the impingement cleaning action typically provided by a washer disinfectant, nor can it be verified in the same manner. Ultrasonic cleaning is a result of sound waves introduced into a cleaning liquid by a series of transducers. The sound travels throughout the tank and creates waves of compression and expansion. During expansion, molecules of the liquid are pulled dramatically, ripping them apart, which creates microscopic vacuum cavities. As the pressure around these cavities becomes greater, they collapse violently, forming voids—a process called cavitation. This creates extreme temperature and combines with the velocity of the liquid jet to deliver a very intense cleaning action in a minute area, like the tiny crevices that exist in surgical instrumentation.

When the ultrasonic cleaner is supplying sufficient energy and conditions are correct, SonoCheck™ will change to a yellow color.

Problems such as insufficient energy, overloading, water level, improper temperature and degassing will increase the time needed for the color change. In the case of major problems, the SonoCheck™ will not change color at all.

For supporting documents, including the IFU, Example Policy and Log Sheet, visit hmark.com

Item Number	Description	Qty
TI108	SonoCheck™ Ultrasonic Test	30
TI108-HK	SonoCheck™ Hook	10