

Bakewell Bubble Level Clean & Sterilizing Instructions

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**Cleaning/Disinfection**

Due to their distinctly greater effectiveness, manual processes using disinfectors such as alcohol, alcohol prep pads, Cidex, or the like, should be used for cleaning/disinfection.

For effective reprocessing, pre-treatment should begin as soon as possible, or, at the latest, 30 minutes after the operation has been performed. Cleaning/disinfection should then follow within the next two (2) hours.

**Pre-treatment**

Immediately after a procedure, instruments should be minimally rinsed with BSS or other solution to remove bio-material from all surfaces. The aid of a sponge or foam cleaning system such as OptiKleen can/should be used to remove lodged materials from marker blades.

**Ultrasonic Cleaning**

Cleaning in an ultrasonic bath is optional. If ultrasonic cleaning is done, care must be taken that the exposure time and concentrations recommended by the manufacturer of the cleaning solution are observed. At the same time, the liquid level specified by the manufacturer of the ultrasonic bath is to be adhered to (e.g., filled up to the mark).

Even when the bath has been correctly prepared, errors can be prevented by taking the following precautions:

- Products must be completely covered by the cleaning solution
- In order not to impair the effect of the ultrasound, instruments are to be placed in the bath on perforated instrument trays

Contamination of the ultrasonic bath impairs effective cleaning and increases the risk of corrosion. Therefore, depending on the amount of use, the cleaning solution must be replaced regularly. The main criterion is visible contamination. In any case, frequent replacement of the bath – at least once a day – is necessary.

**Using the ultrasonic cleaner:**

Prepare the ultrasonic unit before surgery:

1. Place one plastic cup (approximately 470ml or 16 ounces), filled with approximately 10ml or 1/3oz of recommended ultrasonic cleaning solution (such as Branson® Jewelry Cleaner) and the remainder with distilled water into the ultrasonic tank. (The cleaning solution is a wetting agent that will allow water molecules to get closer to the surface of the instrument which is naturally hydrophobic).
2. Fill a second identical sized cup with distilled water for rinsing in the ultrasonic Cleaner. This can be placed in the unit also if there is room for both or can be switched with the first cup as needed.
3. Fill the ultrasonic tank with distilled water to a level just below the fluid in the Cups to prevent buoyancy. The water level should be close to 2.5cm (1 inch) below the top edge of the tank to obtain optimal effect from the ultrasonic transducers. Water level in the cup may be adjusted accordingly.
4. Turn on the heat and run the ultrasonic for 5 minutes to charge the fluid medium and purge it of trapped gasses that inhibit cavitation.

**Always start with fresh distilled water, new cups, and cleaning solution each day of surgery.**

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