

Sterilization & Disinfection Recommendations ●●●●

The recommendations indicated below are to be used as general guidelines. Follow the specific sterilization or disinfection procedures that have been validated by your institution.

Always carefully examine the physical integrity of the product after processing. Do not use if cracking or crazing is seen, or if parts fit together improperly after processing.

Reusable Plastic and Silicone Rubber Products

A thorough pre-washing of products is necessary to remove foreign and/or organic contaminants. Use a low alkaline soap (pH 8.5 or less) to preserve maximum useful life.

Sterilization**Steam Autoclave:**

Sterilize according to validated parameters.
Do not exceed 275°F (135°C).

Do not steam autoclave polycarbonate products.

Gamma Radiation:

Irradiate according to validated parameters.
Some discoloration may occur.

Do not irradiate polyethylene products.

Ethylene Oxide:

Sterilize according to validated parameters.
Do not exceed 131°F (55°C).
Allow ample aeration time in a well-ventilated area to dissipate the absorbed gas.

Gas Plasma:

Sterilize according to validated parameters.

High Level Disinfection**Pasteurization:**

Pasteurize at 153°F - 163°F (70°C +/- 3°C) for minimum of 30 minutes.

Chemical Disinfectants:

Disinfect according to validated parameters.
Follow the chemical manufacturer's recommendation for temperature and soak time.

Chemical disinfection should be followed by sterile water rinse.

Recommended Chemical: 2-4% Activated Glutaraldehyde

Exposure time should be based on the manufacturer's indication for use as a high-level disinfectant or sterilant.

Do not use alcohol or chemicals containing dimethyl ammonia chloride.

Disposable — Single Patient Use Products

Instrumentation Industries, Inc. disposable products are designed for single patient use. Pasteurization or chemical disinfection is recommended for most Single Patient Use products prior to usage. Do not steam autoclave!

Sterilization**STERRAD 100S: (Polystyrene Butadiene only)**

Full short sterilization cycle
(Hydrogen gas plasma, 55 minutes, 45°C - 55°C).

High Level Disinfection**Pasteurization:**

Pasteurize at 153°F - 163°F (70°C +/- 3°C) for minimum of 30 minutes.

Cidex® OPA

Prepare Cidex® OPA solution. Use a syringe to fill all crevices with Cidex® OPA, then totally submerge adapters in the disinfectant. Follow the manufacturer's instructions for temperature and soak time requirements.

Endotracheal Tube Changers

Endotracheal Tube Changers are designed for Single Patient Use only. Recommended High Level Disinfection methods are Pasteurization at 153°F - 163°F (70°C +/- 3°C) for a minimum of 30 minutes, or Chemical Disinfection. Sterilization can be performed in 100% ethylene oxide at 129°F (54°C) for 60 minutes. Sterilized tubes must be allowed to aerate for no less than 12 hours to dissipate any residual gas. Steam autoclave, gas plasma and gas radiation are **not** recommended processing methods.

Ventilator Tubing

Tubing should be cleaned with a mild detergent followed by a sterile water rinse prior to processing.

Reusable Tubing:

- Steam Autoclave at 270°F (132°C)
- Pasteurize at 170°F (77°C)
- EtO at 131°F (55°C)
- Gamma Radiation

Single Patient Use Tubing:

- EtO at 131°F (55°C)
- Gamma Radiation

Metal Products

Instrumentation Industries, Inc. metal products include all brackets, flex arms, instant flow valves, and manual jet ventilators. Clean these products by wiping the outside with a disinfectant on a soft cloth. **Do not immerse, disassemble, use bleach, or sterilize.**

Home Use

Wash parts in a mild liquid dish detergent. Parts should be thoroughly scrubbed in order to remove all contaminants. Rinse well; ensure all remaining detergent is removed. Soak parts for 20 minutes in a fresh vinegar solution that is 1 part vinegar and 3 parts water. **Example: ½ cup vinegar and 1½ cups water**
Thoroughly rinse parts with water. Allow to air-dry on a clean towel. Do not wipe or dry with towel.

