

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 product after processing. Do not use if product shows signs of cracks, leaks, poor fit, severe discoloration, or fails to perform as indicated.

Reusable Plastic and Silicone Rubber Products

A thorough pre-washing of parts is necessary to remove foreign and/or organic contaminants.

Use a low alkaline soap (pH 8.5 or less) to preserve maximum useful life.

Pasteurization:	Pasteurize at 160°F - 170°F (71°C-77°C) for no less than 30 minutes.
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.
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.
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.
Gas Plasma:	Sterilize according to validated parameters.

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!**

Endotracheal Tube Changers

Endotracheal Tube Changers are designed for single patient use. Sterilize 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, sterrad, and gas radiation are **not** recommended processing methods.

KCTubing

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
Disposable 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.