



Stingray Surgical Products, Inc.

STINGRAY SURGICAL PRODUCTS COAGULATING FORCEPS

Instructions for Use

All STINGRAY SURGICAL PRODUCTS Bipolar Cords are compatible with all generators with 4mm outlets.

INDICATIONS FOR USE

STINGRAY SURGICAL PRODUCTS, bipolar coagulating forceps are intended for use in cauterizing tissue during surgical procedures. STINGRAY SURGICAL PRODUCTS, bipolar cords are designed to bring electric power from the electro-surgical generator to the bipolar instrument.

The use of bipolar forceps for tasks other than those for which they are indicated will usually result in damaged or broken instruments. Surgeons and surgical staff involved in the use of this product should be fully trained in use of electro-surgical devices prior to use. Please read these instructions prior to use.

CAUTIONS:

Sterilize before use.

Maximum Generator Power Output 70 Watts.

ELECTROSURGERY PRECAUTIONS Refer to your electro-surgical system operator's manual for proper use and set-up. Ensure that all manufacturers' precautions have been observed. The inspection, handling and use of electro-surgical devices are the responsibility of the user.

Warnings:

1. Un-insulated forceps are intended only for use in low power bipolar procedures (MAX 50 WATT). The insulated forceps may be used for all bipolar electro-surgical procedures.
2. Do not perform electro-surgery in the presence of flammable anesthetics or other flammable gases, near flammable fluids or objects, or in the presence of oxidizing agents, as fire could result.
3. When using instruments in electro surgery, keep the voltage/power as low as possible to achieve the desired effect. The user should only activate the device when it is in contact with the target tissue or is in a position to deliver energy to target tissue by fulguration.
4. Place active electrodes in a non-conductive dedicated instrument holder or in a clean, dry, non-conductive area away from the patient when not in use: Inadvertent contact with the patient may result in burns. Contact with drapes may cause a fire.

PREPARATION AND USE

1. Attach a bipolar cord to the connector end of the forceps until the cord receptacle sleeve connects securely against the connector cup on the forceps (When using an irrigation forceps connect tubing to back end of the forceps, use Luer adapter if necessary)
2. Connect the end of the cord to the bipolar coagulation unit. (When using an irrigation forceps connect tubing to generator and prime it according to generators manual.)
3. Connect accessories to electro-surgical generators only while the system is "off". Failure to observe this precaution or handling of these connections while the system is activated may result in injury or electrical shock to the patient or operating room personnel.

HOW SUPPLIED

Reusable Bipolar Cords and Bipolar Forceps are provided non-sterile and must be cleaned and sterilized prior to use according to the directions outlined below.

CARE AND HANDLING

The procedures outlined below should be followed to ensure safe handling of biologically contaminated instruments.

PRE-CLEANING

1. Keep forceps moist and do not allow blood and/or body fluids to dry on the instruments. The decontamination process should begin immediately after completion of the surgical procedure.
2. Using a steady stream of lukewarm/cool water, rinse each forceps thoroughly to remove gross debris.

CLEANING

1. Hand wash using a low-sudsing, neutral pH (pH 7-9), protein dissolving detergent. Follow manufacturers' directions regarding concentration, temperature, and contact time.
2. Totally immerse instruments during cleaning to prevent aerosolization. Do not exceed two hours soaking in ANY solution.
3. Do not soak forceps in hot water, alcohol, disinfectants or antiseptics to avoid coagulation of mucus, blood or other body fluids.
4. Do not use steel wool, wire brushes, pipe cleaners or abrasive detergents. Use of anything other than high quality brushes designed for instrument cleaning may result in damage to the instrument.
5. Tarnishing of non-stick tips is normal, however this may be removed with polishing cloth **catalog #S04-990**. Rub tips gently with polishing cloth until tarnish is removed.
6. Flush irrigation channels with dematerialized water, use stylus to remove clogs if necessary.

DECONTAMINATION / DISINFECTION

1. Select a high-level disinfectant. Follow the cleaning agent’s recommended directions regarding concentration, temperature, contact time, and solution re-use. Do not use high acid (pH 4 or lower) or high alkaline (pH 10 or higher) products for disinfections, such as bleach and bi-chloride of mercury.

RINSING / DRYING

1. Thoroughly rinse forceps with distilled water to remove all traces of disinfecting solution. *USE STERILE WATER ON THE FINAL RINSE.*

2. Instruments must be thoroughly dried to remove residual moisture before they are stored.

3. Use a soft, absorbent towel/cloth to dry external surfaces.

4. Use compressed air or a 70% alcohol rinse to aid the *drying* process.

TESTING / PREPARATION FOR STERILIZATION

1. WARNING: Use of damaged instruments may increase the risk of tissue trauma, infection and length of operative procedures.

2. Instruments should be inspected and prepared for sterilization following the disinfections process.

3. Visually inspect the instruments and cords. Check for nicks, misalignment, burrs or bent tips. Examine insulated instruments and cords for integrity; observe for cuts, gouges or any exposed metal.

4. Mechanically test the working parts to verify that each instrument functions correctly.

5. Wrap each pair of forceps separately or place in a container to prevent the forceps from contacting each other or other instruments

STERILIZATION

1. Sterilization of bipolar forceps may be accomplished by steam.

2. STINGRAY SURGICAL PRODUCTS, does not recommend the bipolar forceps be sterilized by Flash[®] or Chemical Sterilization.

3. Surgical instruments may also be placed within a rigid sterilization container for processing under generally accepted hospital in-use conditions.

4. The stylus for Irrigation forceps should not be placed in the forceps but can be autoclaved separately.

The recommended sterilization parameters are as follows:

		Minimum Exposure Time	
Sterilization Method:	Temp.	Wrapped	Container System
PRE-VACUUM	132°C	4 minutes	4 minutes

STORAGE

1. STINGRAY SURGICAL PRODUCTS bipolar forceps must be completely dry before storing and must be handled with care to prevent damage. Take precautions to prevent tip breakage.

2. Instruments should be stored in areas, which provide protection from extremes of temperature and humidity.

3. Store forceps in sterilization trays or the plastic shipping tube to prevent damage to the instrument.

WARRANTY STINGRAY SURGICAL PRODUCTS Bipolar Coagulating Forceps are guaranteed to be free of functional defects in workmanship and materials when used normally for their intended surgical purpose and life.

1. Care must be taken in the use and reprocessing of this product.

2. Any STINGRAY SURGICAL PRODUCTS brand instrument delivery from Stingray Surgical Products proving to be defective will be replaced or repaired, at our discretion, at no charge.

3. Repair of the product may be necessary after repeated use, or if damage occurs in handling or reprocessing.

4. Contact STINGRAY SURGICAL PRODUCTS Repair Services: sales@stingraysurgical.com or 561-210-7582

ALL STINGRAY SURGICAL PRODUCTS BIPOLAR COAGULATING FORCEPS ARE LATEX AND SILICONE FREE

MAINTENANCE AND REPAIR

Repair of the instruments by other parties other than STINGRAY SURGICAL PRODUCTS will void the warranty.

If the instruments require repair or maintenance, return the instruments in the Instrument sturdy box with adequate foam, bubbles or other packaging material to protect the instruments.

Send your bipolar instruments to: STINGRAY SURGICAL PRODUCTS, 156 NW 16th Street, Boca Raton, Florida 33432

Instruments returned to STINGRAY SURGICAL PRODUCTS for repair must have a statement, which testifies that each instrument has been thoroughly cleaned and disinfected. Failure to supply evidence of cleaning and disinfections will result in a cleaning charge and delayed processing of your Instrument repair.