



### **Contraindications**

The ENTceps is not to be used as a fallopian tube sterilization device.

### **Compliance with Standards**

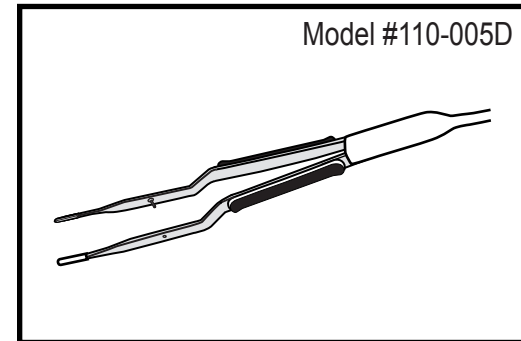
When used with the UPS (Universal Power Supply), device complies with IEC60601-1 requirements for type CF applied part, and meets electromagnetic compatibility requirements of IEC60601-1-2.



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# ENTceps



## INSTRUCTIONS FOR USE

### **For use only with:**

*Starion PowerPack™ Dual Control Footswitch (REF 309-004R) and  
Starion PowerPack™ UPS (Universal Power Supply) (REF 200-003R)  
or Starion UPS (Universal Power Supply) (REF 200-004R)*

### **Device Description**

The ENTceps is a footswitch-activated, hand-held surgical instrument that is powered by a Starion Universal Power Supply. The ENTceps contain a heating element at the distal tip of the instrument. The heating element is activated by means of the reusable PowerPack Dual Control Footswitch. The ENTceps power cable extends from the handle of the instrument and terminates at the Instrument connector for electrical connection to the Universal Power Supply.

### **Intended Use**

The ENTceps is intended for the simultaneous sealing and cutting of soft tissue during surgery. The ENTceps may also be used for cutting natural or synthetic, non-metallic, sutures during surgery.

### **Symbol Definition**



Means: Attention — Read and follow indicated Instructions For Use, Precautions, Warnings, etc.



Means: Type CF applied part.



Means: For single use only, do not reuse.



Means: Variable Power.



Means: Sterilized by gamma irradiation.



Means: High Power.



Means: Authorized Representative



## Instructions For Use

1. Remove the ENTceps from its sterile packaging.

**Note:** Follow the appropriate Instructions For Use for the PowerPack Dual Control Footswitch and the Universal Power Supply used for the procedure.

2. Uncoil the ENTceps power cord, pass the connector end of the power cord off the sterile field. Insert the connector of the power cord firmly into the instrument connector receptacle of the Universal Power Supply. Ensure connector plugs key properly into receptacle. Insert the connector from the PowerPack Dual Control Footswitch (non-sterile) into the Footswitch connector receptacle of the Universal Power Supply unit as per Footswitch Instructions For Use. Ensure the connector plugs key properly into the receptacles. The ENTceps is now ready for use.

3. Pre-check the Starion system for correct set-up and operation. Set-up the Universal Power Supply and PowerPack Dual Control Footswitch following the applicable Instructions for Use. Place the ENTceps tips in a small amount of sterile saline. Close the device and activate the device on high power by use of the PowerPack Dual Control Footswitch. There should immediately be an audible hissing sound as the saline is heated by the element, and the Universal Power Supply will emit a high pitch audible signal tone. Repeat with the PowerPack Dual Control Footswitch operated on the variable power output setting and the control knob on the Universal Power Supply turned to the number 8 position. A lower pitch audible signal tone will be emitted. Repeat pre-check by attempting to activate the device by closing the forceps without stepping on the foot pedal. If there is a hissing sound as the saline is heated by the element, do not use the Starion system. Contact your Starion representative for repair or replacement.

**Note:** The heating element and tone will not operate unless the ENTceps are fully closed, the PowerPack Footswitch is connected to the Universal Power Supply, and a pedal is depressed.

**Note:** The footswitch variable power output is available when the ENTceps and PowerPack Footswitch are connected to the Universal Power Supply and the footswitch is activated with the left footpedal. (See appropriate Universal Power Supply Instructions for Use)

4. To seal/cut tissue, grasp the tissue between the tip of the ENTceps. Squeeze the handle grips fully together to apply pressure to the tissue. Depress either pedal of the footswitch. Depressing the left footpedal will activate the heating element at the tip of the ENTceps on variable power. (See Note above) An audible low-frequency tone will accompany the activation of the heating element. Depressing the right pedal on the footswitch will activate the heating element of the tip of the ENTceps on high power. An audible high-frequency tone will accompany the activation of the heating element. Generally, lower heat ranges increase the sealing capabilities and increase the time to cut tissue. Higher heating ranges decrease the time to cut and may decrease seal integrity.

5. After the desired sealing/cutting of the tissue, open the ENTceps and then release the pedal of the footswitch. This deactivates the heating element.

**Note:** After removing the ENTceps, examine tissue for hemostasis. If hemostasis is not present, use appropriate techniques to achieve hemostasis.

6. If desired, progress to a new region of tissue to be sealed/cut.

**Note:** It may be desirable to clean the tips of the ENTceps during the surgical procedure. A saline-moistened surgical gauze or sponge may be applied gently along length of the tips of the forceps to remove buildup of coagulated blood and tissue debris. Avoid twisting or pulling on tips. Applying excess pressure can bend the tips or cause tip misalignment.

7. At the end of the surgical procedure, disconnect and discard the ENTceps.



## Precautions

Do not use if the instrument or the cord is damaged.

Do not use a scalpel or other sharp metal instrument to clean the ENTceps. Doing so may damage the tips and could prevent the ENTceps from functioning properly.

Refrain from unnecessary activation of the heating element while there is no tissue grasped within the ENTceps. This activity may result in premature degradation of the ENTceps. Device is not intended for continuous use. A typical duty cycle of approximately five (5) seconds on, ten (10) seconds off is recommended.

Do not immerse the ENTceps handle in liquids.

Do not touch electrosurgical (Bovie) electrode to ENTceps.

Use the ENTceps only with a Starion Universal Power Supply Unit. Use of any other power supply may damage the ENTceps and could prevent it from functioning properly during use.

Procedures using instruments for sealing/cutting should be performed only by persons having adequate training and familiarity with these surgical techniques. Consult the medical literature relative to techniques, complications and hazards prior to performance of any procedure. Surgeons using this device should be familiar with the specific anatomy of the region in which they intend to perform the procedure.

There are no unusual risks associated with the proper disposal of this equipment. Follow any local regulations regarding proper disposal of used surgical equipment.

### Warning:

Do not use in the presence of flammable materials (e.g. alcohol, flammable anesthetics).

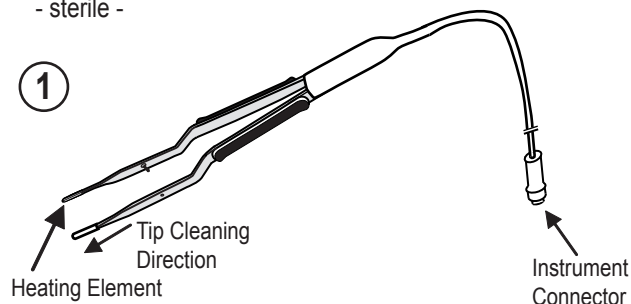
Always disconnect the instrument before discarding; the PowerPack Dual Control Footswitch and UPS - Universal Power Supply are reusable.

Store in a cool, dry place.

1

### ENTCEPS

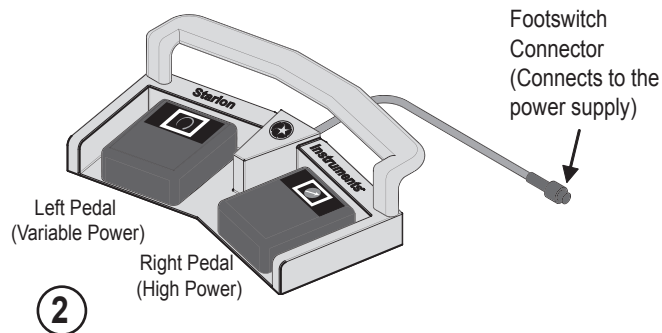
- sterile -



2

### DUAL CONTROL FOOTSWITCH

- non sterile -



3

### UNIVERSAL POWER SUPPLY

- non sterile -



**Note:** The instrument and footswitch lights will not illuminate until the ENTceps are activated.