



## INNOMED, INC.



Resuable Non Sterile Instruments



Innomed, Inc.

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### Instructions for Use

#### Intended Use

Innomed instruments consist of manual surgical instruments and positioners intended for use in surgical procedures. Instruments and positioners should be used by healthcare professionals only in their intended design. Use of these instruments in other than their intended purpose may result in damage to the instrument or may adversely affect the patient.

#### General Surgical Instrument Care, Handling, Maintenance and Sterilization

Special instructions apply for the proper care and handling of instruments to ensure longevity.

- Visually inspect instruments before cleaning for cracks and chipped areas.

- Check instruments for smooth action, jaw alignment, and signs of wear.
- Do not autoclave chrome plated instruments with stainless steel instruments.
- Do not use a multipurpose detergent to wash or soak your instruments. Use a specifically compounded low-suds detergent with a neutral pH. A sponge, cloth, or scrub brush can be used to thoroughly clean the instruments. Never use steel wool or abrasives for cleaning.
- Never use an acid rinse or expose bleach to stainless steel instruments.
- Rinse cleaned instruments with clean water to remove any detergent before sterilization.

Detergents designed for surgical instruments are specifically formulated to remove protein, organic debris and blood. The neutral pH balance will not damage stainless steel or tungsten carbide inserts. The solution is gentle enough for manual (hand) as well as ultrasonic cleaning.

Sterilization of instruments may be accomplished by steam autoclave. Time and temperature parameters required to steam sterilize vary according to type of sterilizer. Refer to the sterilizer manufacturer's instructions and guidelines. The following guidelines are recommended times and temperatures for stainless steel instruments:

Sterilizer Type:	Prevacuum
Minimum Temperature:	132 °C/ 270°F
Full Cycle Time:	4 minutes
Dry Time:	30 minutes

The following guidelines are recommended times and temperatures for instruments made of aluminum:

Sterilizer Type:	Prevacuum
Minimum Temperature:	132 °C/ 270°F
Full Cycle Time:	4 minutes

Dry Time: 30 minutes

The following guidelines are recommended times and temperatures for instruments made of delrin:

Sterilizer Type: Prevacuum

Minimum Temperature: 132 °C/ 270°F

Full Cycle Time: 4 minutes

Dry Time: 20 minutes

The following guidelines are recommended times and temperatures for instruments made of carbon fiber:

Sterilizer Type: Prevacuum

Minimum Temperature: 132 °C/ 270°F

Full Cycle Time: 4 minutes

Dry Time: 20 minutes

**Automated Cleaning Cycle**

- 1) Disassemble the device
- 2) Load the instruments in the washer so that the design features are exposed to cleaning.
- 3) Devices capable of holding liquid should be load such that the design feature can drain.

The following guidelines are recommended for cleaning. Other automatic cleaning solutions that can be used are Neodisher®, Mediclean Forte®, Thermosept®.

Phase	Time (MM:SS)	Temp. (°C)	Detergent
Prewash	2:00	Cold Water	

Wash	3:00	60+/-5°C	Enzol
Rinse	0:15	60+/-5°C	
Final Rinse	1:00	80+/-5°C-DIW	
Dry Time	6:00	≥ 80°C	

**Lubricants**

Specific lubricants designed for surgical instruments are an excellent investment for long term protection. Besides lubricating moving parts, lubricants also inhibit rust, discoloration and corrosion. Used in a regular instrument care program the proper lubricant helps reduce instrument wear. A 30 to 60 second soaking, prior to autoclaving is adequate to insure protection. Some of the advantages are; prevents frozen box locks by dissolving organic debris, does not interfere with steam autoclaving, provides a protective coating to your instruments, reducing repair costs, it's non-toxic, and it inhibits rust and discoloration.

**Instrument Storage**

It is recommended that all instruments are stored in a clean, dry environment. Devices supplied sterile must remain in unopened packaging. Do not use if packaging is damaged or opened.

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