

# Frazier Suction Tube

## Description

The **Frazier Suction Tube** is a precision suction instrument used during surgeries to evacuate blood, fluids, and debris from small or confined surgical areas. It features a thin, hollow tube with a side thumb hole for intermittent suction control, making it ideal for neurosurgery, ENT, orthopaedic, and delicate veterinary procedures.

## Specifications

- **Material:** Medical-grade stainless steel (SS 304 or SS 316)
- **Length:** 8 cm to 30 cm (depending on use)
- **Tube Diameter:** 1.0 mm to 5.0 mm
- **Tip:** Angled, smooth bore
- **Control:** Thumb hole (vents suction manually)
- **Connection End:** Standard slip or lure-lock fitting for suction tubing
- **Sterilization:** Fully autoclavable

## Sizes

- **Common Sizes:** Frazier #3, #5, #7, #9  
(Number denotes the internal diameter – e.g., #3 = 1.3 mm)
- Lengths vary between 8–30 cm

## Shapes

- Long, narrow cylindrical tube
- Angled tip (usually 45°–90°) for directional access
- Ergonomic hand grip with thumb vent

## Types

- Standard Frazier Suction Tube
- Insulated Frazier (for use with electrosurgical devices)
- Paediatric Frazier (smaller bore)
- Disposable and reusable versions available

## **Material**

- Entire body: Stainless steel
- Optional: Insulated models with non-conductive polymer coating
- Disposable: Medical-grade plastic versions available

## **Category**

- Surgical Suction Instruments
- Neurosurgical and ENT Tools
- Veterinary and Human Surgical Accessories

## **Product Form**

- Single-unit instrument with or without removable stylet (cleaning rod)
- Available sterile (EO gas/autoclave) or non-sterile bulk
- Supplied in plastic tray or protective case

## **Usage**

Used for precise removal of fluids and blood from surgical sites, especially:

- During microsurgical and delicate operations
- ENT (ear, nose, throat), neurosurgery, and orthopaedic procedures
- Ideal for narrow or deep anatomical spaces

## **Advantages**

- Controlled suction via thumb vent
- Precise and delicate tissue management
- Reusable and autoclavable/ Minimizes trauma to surrounding tissues
- Wide variety of tip sizes for different procedures

## **Disadvantages**

- Can clog if not cleaned regularly/ Fine tips may bend if mishandled
- Requires manual dexterity for thumb control
- Not suited for high-volume suction needs

## **Precautions**

- Clean lumen immediately after use to prevent blockage
- Use appropriate suction pressure to avoid tissue trauma
- Avoid using near sharp bony edges to prevent tip damage
- Ensure proper sterilization before reuse

## **HS / HSN Code**

- **HS Code:** 9018.90
- **HSN Code:** 90189099  
*(Covers surgical instruments, including suction tubes)*

## **Handling Instructions**

- Always flush and brush-clean immediately post-surgery
- Inspect tip for bends or cracks before use
- Connect securely to suction tubing
- Operate thumb control gently for optimal results
- Store with stylet inserted to maintain patency

## **Sterilization Details**

- Autoclave at 121°C for 15–20 minutes
- Chemical sterilization possible with glutaraldehyde or peracetic acid
- Avoid high-speed drying cycles which may warp thin-bore tubes
- Use stylet during cleaning for thorough lumen hygiene

## **Veterinary Application**

- Widely used in small animal and exotic surgeries for delicate suction
- Effective in oral, ENT, neurosurgical, and orthopaedic animal procedures
- Allows for precision during confined space surgeries (e.g., cranial or oral cavity)
- Ideal for feline and avian microsurgery, where space is limited
- Common in specialty and referral veterinary practices

## **Human Application**

- Standard tool in ENT, neurosurgery, orthopaedic, and maxillofacial surgeries
- Frequently used in brain surgery for precise fluid evacuation
- Valuable in ear surgeries (e.g., mastoidectomy) and sinus procedures
- Ensures visibility in narrow operative fields by minimizing pooling

## **? Frequently Asked Questions (FAQs)**

### **Q1. What is a Frazier Suction Tube used for?**

**Answer:** It is used for precise suctioning of blood or fluids during surgeries, especially in small or deep operative fields.

### **Q2. What sizes are available?**

**Answer:** Common sizes include #3, #5, #7, and #9, with different lengths and bore diameters.

### **Q3. Can it be reused?**

**Answer:** Yes, stainless steel Frazier tubes are reusable and autoclavable.

### **Q4. Is it used in veterinary procedures?**

**Answer:** Absolutely — it's especially valuable in small animal and exotic surgeries.

### **Q5. How is it cleaned and sterilized?**

**Answer:** Use a cleaning stylet, flush thoroughly, then autoclave or chemically disinfect.

