

Indications

ViSiGi® is indicated for use in gastric and bariatric surgical procedures for the application of suction, stomach decompression, drainage of gastric fluids, irrigation, to test for leaks, and to serve as a sizing guide.

Contraindications

Esophageal stricture that does not allow passage of ViSiGi®. Conditions which would preclude gastric or bariatric surgical procedures.

Description

ViSiGi® is a non-sterile, single patient use device. The device comprises a tube with a closed, rounded tip, and holes at the distal end. The proximal end of ViSiGi® includes an integral suction regulator and vented On/Off valve.



Warnings and Precautions

Rx Only Federal law restricts this device to sale by or on the order of a physician or licensed practitioner. Use of this device should only be performed by persons having adequate training and familiarity with minimally invasive surgical techniques, and with the use of this device. Consult medical literature relative to techniques, complications, and hazards prior to use of this device.

Please read these instructions carefully.

Correctly sizing the stomach is a clinical decision made based upon an assessment of the patient, training, clinical literature, experience, etc. It is the responsibility of the clinician to correctly size the stomach. If ViSiGi® is not of a size deemed suitable by the clinician, it should not be used as a sizing guide.

Do not use this product in patients presenting with Zenker's diverticulum unless certain that entry into the diverticulum can be avoided. Use of this product in patients presenting with esophageal varices may result in increased bleeding risk.

Do not staple or sew ViSiGi® to the stomach. Before firing any staple loads in the stomach, always confirm placement of ViSiGi® by either visual or tactile cues. Laparoscopic stapling techniques rely upon visual and tactile feedback to preclude stapling across devices (including ViSiGi®). Use of a powered stapler may affect normal tactile feel making it possible to staple across items such as a weighted bougie or ViSiGi®.

Any instrument passed blindly through the esophagus presents the risk of esophageal perforation. ViSiGi® is designed to be flexible, with a blunt tip to limit this risk. If at any point undue resistance is felt, do not continue to advance ViSiGi®.

Stapling indwelling tubes is a risk when performing a sleeve gastrectomy. To limit this risk, ViSiGi® is designed and indicated for stomach decompression, negating the need of an OG/NG tube for initial decompression of the gastric space. Stapling indwelling temperature probes is a risk when performing a sleeve gastrectomy. If temperature monitoring is warranted for these shorter, elective procedures, consider the use of a forehead probe rather than an indwelling temperature probe. If an indwelling temperature probe is required, note the depth of placement, and externally tape the probe in place. Before any staple loads are fired, ensure the placement of the probe has not changed.

ViSiGi® is not indicated for the removal of solid materials such as food. Do not use ViSiGi® if solid materials such as food are present in the stomach.

Do not attempt to move ViSiGi® while suction is applied. Make sure the valve is switched to CLOSED prior to removal of ViSiGi®. The valve of ViSiGi® has a large bore vent to rapidly remove suction, do not rely on the On/Off switch of the suction source.



ViSiGi® is provided clean but not sterile. Do not use in applications requiring sterility.



Single patient use. Do not reuse, reprocess or autoclave ViSiGi®, as this action may compromise the safety, function and integrity of the device.

Dispose of per your facility's biohazardous waste disposal protocol.



This product is not made with natural rubber latex.

Patents and Trademarks

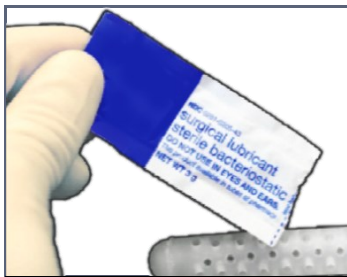
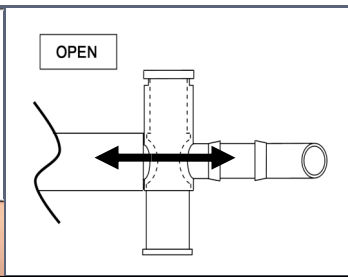
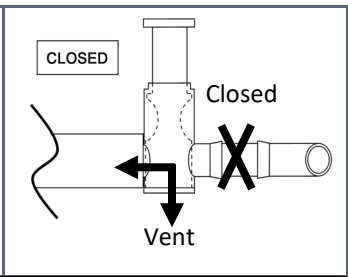
ViSiGi® models 5232, 5232B, 5232S, 5232SB, 5236, 5236B, 5236S, 5236SB, 5240, 5240B, 5240S, and 5240SB are covered by one or more of the following U.S. patents: 9,808,368; 9,999,533; 10,646,625; 10,888,446; 10,932,937; 11,511,030; 11,857,445; and 12,303,415. For a complete list of patents, visit www.boehringerlabs.com/our-patents.

Boehringer Laboratories®, the Boehringer Laboratories logo, and ViSiGi® are trademarks or registered trademarks of Boehringer Laboratories, LLC.



System Components

- Tubing** - The tubing is approximately 104 cm long. Models 5240, 5240B, 5240S, and 5240SB have a tube diameter of 40 French. Models 5236, 5236B, 5236S, and 5236SB have a tube diameter of 36 French. Models 5232, 5232B, 5232S, and 5232SB have a tube diameter of 32 French. (3 French = 1 mm diameter)
- Holes** - Models 5240, 5240B, 5236, 5236B, 5232, and 5232B include apertures that extend to a distance of approximately 13 cm from the distal end. Models 5240S, 5240SB, 5236S, 5236SB, 5232S, and 5232SB include apertures that extend to a distance of approximately 6 cm from the distal end.
- Slide Valve** - The slide valve is a vented 2-position valve that includes a tubing connector for connection to standard hospital suction tubing.
- Suction Regulator** - The integral suction regulator delivers regulated suction.
- Squeeze Bulb** - (Models 5250, 5240B, 5240SB, 5236B, 5236SB, 5232B, and 5232SB) The bulb is a hand pump with an integral pressure gauge.

			
Step 1	Step 2	Step 3	Step 4
Remove ViSiGi® from the clear packaging, ensure the valve is set to OPEN, and apply surgical lubricant generously onto the tip of ViSiGi® before inserting into patient.	Advance ViSiGi® under direct visualization by surgeon's direction, or insert the same way as an OG tube. STOP once gastric contents are visible. There are markings at 30, 40, and 50 cm. Do not pass the third marking (50 cm) without laparoscopic visualization.	For sizing, position ViSiGi® within the stomach as desired and connect ViSiGi® to suction. To remove fluid, enable irrigation, or to apply suction, place the slide valve in the OPEN position.	When moving or removing ViSiGi®, stop the suction, and vent ViSiGi®, by placing the slide valve in the CLOSED position.

- NOTE:** While exposing the apertured portion of ViSiGi® directly to the peritoneal space, suction should not be applied.
- NOTE:** If using suction, place the slide valve in the CLOSED position prior to removing the ViSiGi®.
- NOTE:** The distal end of the ViSiGi® adheres to the lumen of the stomach when suction is applied. Do not pull on the device when suction is applied.
- NOTE:** The integral suction regulator limits suction levels to approximately 125 mm Hg. If it is desired to limit suction to lower levels, Boehringer Laboratories offers a full line of suction regulators that are compatible with ViSiGi and allow the user to set the level of suction applied. (<https://www.boehringerlabs.com/medical-devices/suction-regulators/>)
- NOTE:** When using the ViSiGi® in the Roux-en-Y or similar procedure, prior to stapling, such as when creating the pouch, make sure that the exact location of the ViSiGi® is known and that it is not in the path of the stapler. One way to ensure that it is not in the path of the stapler is to withdraw the tip of the ViSiGi® into the esophagus.
- NOTE:** If performing leak testing, the stomach may be inflated by connecting the squeeze bulb to the slide valve tubing connector . Set the slide valve to OPEN position and squeeze the bulb to achieve the desired effect. Use squeeze bulb only when the stomach can be directly visualized.

Specifications	RxOnly	Found on IFU and packaging labels. Definition: Federal law restricts this device to sale by or on the order of a physician.
Supplied: Clean, Non Sterile		Found on IFU and packaging labels. Definition: Non-sterile.
Length: Approx. 104 cm		Found on IFU and packaging labels. Definition: Do not re-use.
Diameter: 32 Fr (appr. 10.7mm), 36 Fr (Approx. 12.0 mm), 40 Fr (Approx. 13.3 mm)		Found on IFU and packaging labels. Definition: This product is not made with natural rubber latex.
Material: Thermoplastic Elastomer		Found on the IFU and packaging labels. Definition: Manufacturer.
Packaging: Poly bag		Found on packaging labels. Definition: Do not use if package is damaged.
Shelf Life: 2 years		Found on packaging labels. Definition: Consult instructions for use.
		Found on packaging labels. Definition: Reorder number.
		Found on packaging labels. Definition: Lot number.
		Found on packaging labels. Definition: Use-by-date.