Flo-Thru

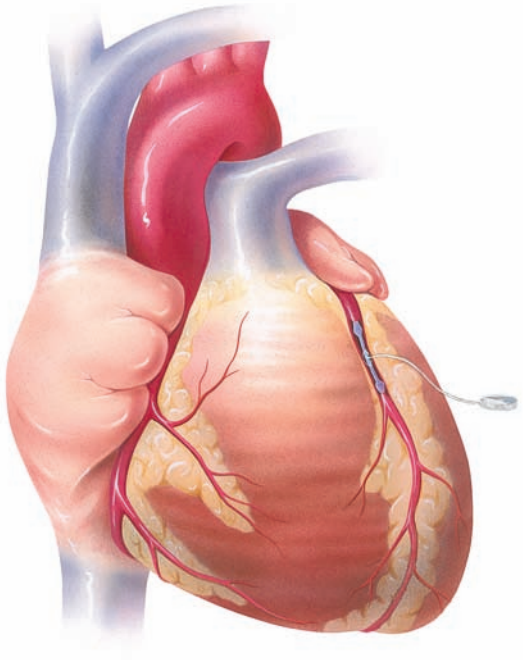
Providing optimal flow during the construction of a precise anastomosis.

Flo-Thru

Intraluminal Shunt®

Synovis®
Surgical Innovations

Flo-Thru



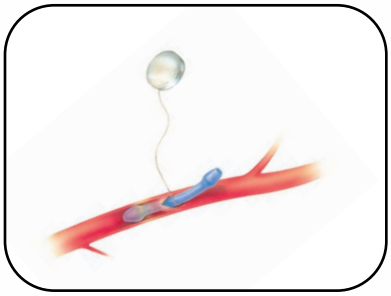
The Flo-Thru Intraluminal Shunt® is a simple atraumatic method of controlling bleeding, stenting vessels and ensuring myocardial preservation during coronary bypass grafting. Flo-Thru combines the latest in intraluminal shunt technology and 25 years of clinical success with the Flo-Rester® Internal Vessel Occluder.

The Flo-Thru Intraluminal Shunt, a single-piece radiopaque silicone tube with an atraumatic bulb shaped at each end, is designed for optimal flow and safety. The bulbs create a blood-free field and the Flo-Thru lumen provides perfusion of the distal artery. Once in place the shunt stents the vessel which allows for ease of suturing and reduces the likelihood of backwall suture. A radiopaque tab identifying the outer diameter of the bulbs is attached to the shunt by a tether which can be used to facilitate positioning and removal of the shunt.

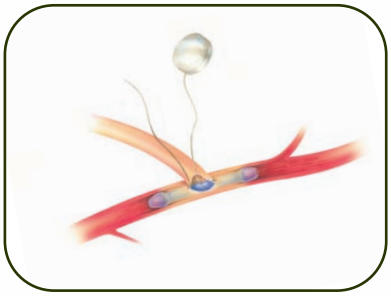
Proven Performance

The use of a Flo-Thru shunt is associated with:

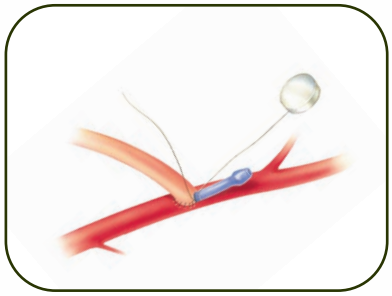
- Greater flow than with tested competitive shunts[1,4]
- Good myocardial preservation[2,3]
- Improved myocardial pH[2]
- Total revascularization[3]
- Low conversion rate to CPB[3]



Easy Insertion



Vessel Occlusion, Stenting and Distal Perfusion



Easy Atraumatic Removal

Surgical Applications

Flo-Thru is designed to facilitate anastomosis during:

- Bypass surgery
- Beating heart surgery
- Peripheral vascular procedures

Clinical Benefits

- Unique single-piece design with large internal diameters provides exceptional distal perfusion
- Multiple sizes, in 0.25 mm increments, ensure an ideal fit for a blood-free field and improved visualization at the site of anastomosis
- Tapered bulbs allow for ease in insertion
- Flexible silicone material allows for easy, atraumatic removal

A Convenient Choice

- Cost effective – up to 50% less expensive than competitive shunts
- Available in a variety of bulb diameter sizes from 1.0 mm - 3.0 mm
- Supplied sterile and ready to use

Ordering Information

PRODUCT NUMBER	BULB DIAMETER	OVERALL LENGTH	UNITS PER BOX
FT-12100	1.00 mm	18 mm	5
FT-12125	1.25 mm	18 mm	5
FT-12150	1.50 mm	18 mm	5
FT-12175	1.75 mm	18 mm	5
FT-12200	2.00 mm	18 mm	5
FT-12225	2.25 mm	18 mm	5
FT-12250	2.50 mm	18 mm	5
FT-12275	2.75 mm	18 mm	5
FT-12300	3.00 mm	18 mm	5

Flo-Thru Intraluminal Shunt® is for single-use only and cannot be resterilized.

Contact your sales representative or Synovis Surgical Innovations for ordering information, in-service support materials, and technical specifications.

References

1. Intraluminal shunts: comparative study on flow rates. Synovis Surgical Innovations 1999.
2. Sheahan MC et al. The physiologic consequences of coronary shunting in a minimally invasive CABG model. Presented at Cardiothoracic Techniques and Technologies VII on January 26, 2001.
3. Balky HH et al. Routine intra-coronary shunting in multivessel off-pump coronary artery bypass: a retrospective review of in-hospital outcomes in 514 consecutive cases. Presented at the fifth Annual Scientific Meeting of the International Society for Minimally Invasive Cardiac Surgery. June 20 - 23, 2002.
4. Technical Review #1: Flow rate study on 1.00 and 1.25 mm shunts. Synovis Surgical Innovations 2002.

Synovis®
Surgical Innovations

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CAUTION: Federal (U.S.A.) law restricts this device to sale by or on the order of a physician. For complete instructions for use, storage, warnings, indications, contraindications, precautions, adverse reactions, and disclaimer of warranties, please refer to the insert accompanying each Flo-Thru product.

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