NAMIC® Fluid Management

Constructed for Confidence. Configured for Care.

Systems for Cardiac Catheterization Labs

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Most Trusted. Most Proven. Most Flexible.

In today’s dynamic medical environment, there’s no time to question device quality or the utility of the set-up. That’s why NAMIC® Fluid Management Systems from Navilyst Medical are constructed for confidence in angiographic procedures. Since 1969, NAMIC Products have been the most widely used in the industry. With features that answer clinical and operational needs, our products meet the true challenges of your cardiac catheterization lab.

The most trusted line of products is also the most flexible. NAMIC Kits are assembled to your specifications to meet your standards of care. Optimize your set-up with the Squeeze Contrast Controller™, Compensator™ Manifold and our OSHA-compliant Closed Fluid Systems.

You can feel confident with NAMIC Products in your lab and Navilyst Medical as your partner in patient care.

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**Squeeze Contrast Controller™**

Maximize Your Budget. Reduce Contrast Waste. Safe and Effective.

The Squeeze Contrast Controller is the safe and effective way to reduce contrast waste and your budget. Its unique configuration lets you use one container of contrast media on multiple patient cases. And its proven microbial barrier prevents cross-contamination.* Cut costs with confidence by using the Squeeze Contrast Controller—the most used and most trusted contrast management system.

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**How to Fill the Squeeze Contrast Chamber in Four Easy Steps**

1. **Step 1**: While pressing and holding the green vent button, squeeze the chamber. Press firmly to evacuate air from the system.
2. **Step 2**: Simultaneously release the chamber and the button. The chamber will fill with 10-12 ccs of contrast.
3. **Step 3**: If the green ball is seated in the base of the chamber, squeeze the base firmly to dislodge the ball. The ball will float freely to the surface.
4. **Step 4**: Aspirate contrast through the tubing assembly. Debubble the system. The tubing assembly is now ready to use.

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**One Source, Multiple Patients**

Multiply your savings. One contrast container for multiple patients lets you take advantage of volume pricing and minimize time-consuming bottle changes.

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*Proven Microbial Barrier

The safety and effectiveness of the Squeeze Contrast Controller’s two 1-way check valves are proven. Studies showed sterile results when the contrast was challenged with motile bacterium (*Pseudomonas aeruginosa*); endospore-forming bacteria (*Bacillus subtilis*); and virus (*Bacteriophage Phi-X174*).
Readings at Any Level. Easier Operation. Increased Waveform Fidelity.

It’s easier—re-zeroing and debubbling in a sterile field with a single operator, instead of two.* It’s better—a 389% increase in waveform fidelity.* It’s more flexible—you can take pressure readings at any level. The Compensator Manifold puts greater control in your hand and takes efficiency to a whole new level.

389% Increase in Waveform Fidelity*
The Compensator outperforms pole-mounted transducers by moving the transducer closer to the patient’s heart. Placing the transducer nearer to the source of pressure enhances waveform fidelity.

Pressure Readings at Any Level
The pressure monitoring line (PML) compensates for manifold movement to maintain constant pressure readings.

NAMIC® Manifolds are available in a variety of configurations

Compensator Manifold
Uni-body manifold with integral transducer used with a pressure monitoring line (PML)
• Zero balance at heart level
• Take pressure readings at any level during procedures

Perceptor® Manifold
Uni-body manifold with integral transducer
• Zero balance at heart level
• Take pressure readings at heart level

NAMIC Manifolds
Multiple Port Options and Configurations
• On-handle
• Right-handed
• Medium pressure
• Off-handle
• Left-handed
• High pressure

Easier Operation
Single operator-controlled re-zeroing and debubbling is easier than the typical two-operator system.

* Data on file.

NAMIC® Compensator™ Manifold
Mounting Plate and Pole Clamp
Positions Compensator™
line at heart level

Compensator Manifold
Does not need to be at heart level during procedures

Easier Operation
Single operator-controlled re-zeroing and debubbling is easier than the typical two-operator system.

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Most Proven.
Most Trusted.
#1 Choice of Cath Labs.

NAMIC® Syringes are the most proven and most trusted brand of angiographic syringes on the market, delivering smooth aspiration, controlled injections and high flow rates. NAMIC Syringes are designed for high-quality performance.

NAMIC® Angiographic Control Syringes

- Larger Lumen
  Provides high flow rates for faster fluid delivery
- Clear, Polycarbonate Design
  Allows visual inspection of air bubbles
- Patented Swaged Rotating Adaptor
  Minimizes air bubble entrapment. Provides strength and flexibility to catheter connection. Optimizes positioning and rotation for maximum convenience
- 0.5 ml Safety Reservoir
  Prevents stopper from bottoming out
- Ultrasonically Welded Cap
  Prevents inadvertent plunger pull-out
- Multiple Handle and Capacity Options
  Available in 8, 10, 12 and 20 ml capacities
  Designed to enable more forceful injections with handle options that maximize gripping power

Choose from Polycarbonate and Polypropylene Designs

Angiographic Control Syringes
Male luer lock (MLL) and rotating adaptor (RA) with or without
0.5 ml reservoir, finger ring, finger grip, palm pad and thumb ring

Radiology Control Syringes
Available with or without 0.5 ml reservoir

Polypropylene Syringes
Male luer lock (MLL) or male slip tip (MST), colored pistons, wide range of size options from 1 ml to 60 ml

Polypropylene Syringes
Clear polycarbonate, with colored piston options

Polycarbonate Syringes
Available with or without 0.5 ml reservoir

Joint Commission Guidelines

Navilyst Medical fully complies with Joint Commission guidelines

1. Joint Commission on Accreditation of Healthcare Organizations (JCAHO) 2006 Ambulatory Care and Office-based Surgery National Patient Goal: Improving the Safety of Using Medications, Section 5D.
Our OSHA-compliant Solutions:

• Simplify set-up and clean-up
• Reduce procedure time
• Minimize contact with contaminated fluids

Transmission of bloodborne pathogens is always a concern in the lab. Navilyst Medical provides Closed Fluid Systems to help your lab comply with OSHA guidelines and minimize exposure to bloodborne pathogens.

Our OSHA-compliant Solutions:

• Simplify set-up and clean-up
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Proven Blood Contact Protection.
Best Practice Solution.
Easy to Use.

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When quality and performance are essential, count on Navilyst Medical. From the market’s largest lumen Y-adaptors to the inflation device, each product is designed for confidence. It’s quality you can trust every day.

The Encore® 26 Inflation Device
• 0-26 atm capability

Optional NAMIC® Interventional Accessories

Option 125™ Y-Adaptor
• 0.125" (3.18 mm, 9.5 F) straight-through lumen
• Largest lumen we offer for best clearance
• Intermediate threading for rapid closure
• Elongated body style

Large Bore Y-Adaptor
• 0.113" (2.87 mm, 8.6 F) straight-through lumen
• Fine threading for precise hemostasis control

Original Y-Adaptor
• 0.100" (2.54 mm, 7.6 F) straight-through lumen
• Intermediate and fine threading options available

Gateway™ Y-Adaptor
• 0.118" (2.99 mm, 9 F) internal through lumen
• Unique hemostatic valve for proper hemostasis with smooth catheter wire movement

Option 125 Tri-Adaptor
• 0.125" main/0.110" side
• Largest lumen we offer for best clearance

Original Tri-Adaptor
• 0.100" main/0.093" side
• Intermediate threading

Avenue® Insertion Tool
• Allows for quick and easy placement of guidewire through Y-adaptor
• 0.018" ID

NAMIC Insertion Tool
• Allows for quick and easy placement of guidewire through Y-adaptor
• Clear hub
• 0.018" ID

The Grip™
• Large torque device for easy handling
• White disk slides easily over wire for proper compression
• Accommodates 0.014" to 0.018" wires

TD2® Torque Device
• Large, easy-to-grip handle
• Textured grip for torque control
• Accommodates 0.010" to 0.018" wires

NAMIC Torque Device
• Glows in the dark for easy visualization
• Secure textured grip for torque control
• Accommodates 0.010" to 0.018" wires

ARIA™ Inflation Device
• 0-22 atm
• 12 ml barrel volume
• Luminescent gauge
• Angled face gauge

The Encore® 26 Inflation Device
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NAMIC Insertion Tool
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• White disk slides easily over wire for proper compression
• Accommodates 0.014" to 0.018" wires

TD2® Torque Device
• Large, easy-to-grip handle
• Textured grip for torque control
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ARIA™ Inflation Device
• 0-22 atm
• 12 ml barrel volume
• Luminescent gauge
• Angled face gauge

* Only available in kits.
NAMIC® Perceptor® DT Disposable Transducers

100% Tested. Advanced Technology. Accurate Results.

Perceptor DT Disposable Transducers from Navilyst Medical are designed specifically for interventional cardiology labs and represent state-of-the-art technology. The rigors of the lab demand consistent accuracy, and Perceptor DT Transducers are designed to deliver the first time, every time.

- Laser-trimmed Resistors Ensures more accurate waveforms
- Reliable Connections Keyed cable connectors provide secure connection; Flexible cable designed not to coil back or interfere with procedure
- Advanced Diagnostic Tool Provides precise waveform fidelity
- Clear Fluid Pathway Enables quick and easy priming, debubbling and visualization

100% Tested
Every transducer is tested for accuracy

NAMIC® Contrast Injection Lines


NAMIC Contrast Injection Lines are configured for both low- and high-pressure injections. They feature the security of injection-molded fittings, clear tubing for easy bubble detection and secure catheter connections.

- LPCIL (Low Pressure Contrast Injection Line)
  - 500 psi (35 kg/cm²)
  - Ultra-clear, single-layer PVC tubing for easy debubbling
  - 0.089” ID

- HPCIL (High Pressure Contrast Injection Line)
  - 1,000 psi (70 kg/cm²)
  - Ultra-clear, single-layer PVC tubing for easy debubbling
  - 0.089” ID

- clearaCIL™ High Pressure
  - 1,200 psi (84 kg/cm²)
  - Clear and flexible for easy debubbling and positioning
  - Dual-layer nylon and urethane for added strength and clarity
  - 0.071” ID

- flexCIL® High Pressure
  - 1,200 psi (84 kg/cm²)
  - Braided polyurethane for extra strength and maximum flexibility
  - 0.071” ID

NAMIC® Angiographic Core Wires


Our core wires provide solid support for diagnostic catheters, and feature flexibility and a unique J-tip shape to assist with lengthy procedures.
NAMIC Stopcocks are designed with the features that matter in your lab: easy-turning handles, a textured, non-slip surface, precision-engineered luer fittings, large lumens and a durable and clear polycarbonate body. They bring quality and reliability to your lab.

**Ergonomic Handle Design**
- Facilitates easy grip and valve rotation

**Extensive Line**
- Many options available

**Wide Range of Pressure Ratings**
- 200 (low), 400 (medium) and 1,050 (high) psi

Nabylst Medical offers a wide range of accessories designed to make your cardiac catheterization lab a safer place to work. OSHA guidelines recommend that “all procedures involving blood or other potentially infectious materials shall be performed in such a manner as to minimize splashing, spraying, spattering and generation of droplets of these substances.” You can count on Nabylst Medical to help keep your lab in compliance.
ABSTRACTED DIRECTIONS FOR USE

Refer to package insert provided with these products for complete instructions for use. Contact Navilyst Medical, Inc. for a list of products that are being used in conjunction with this product. Serial numbers/lot numbers must be recorded for each position within the manufacturer’s instructions for use.

CAUTION: Use of any kind of catheter to enter tissues can result in perforation of the tissues.

NAMIC® Compatibility

INTENDED USE/DIRECTIONS FOR USE: NAMIC® Fluid Management product line, visit www.navilystmedical.com or contact your Navilyst Medical Territory Manager.

PRECAUTIONS: Use only as directed by the Navilyst Medical, Inc. product literature. This is not a sterile product and is intended for use in the field only. Do not store fluid in product. Inject immediately after filling. This syringe does not have a pressure gauge. It is recommended that it be used within the range of the physiological pressure transducer. Do not use transducer Zero/Compensator Port as an injection site for fluids. Do not reflush the guidewire through a metal cannula needle. Withdrawal may damage the guidewire or coating. If strong resistance is met during manipulation, discontinue the procedure and determine the cause for the obstructed procedure. Do not use transducer Zero/Compensator Port for air elimination.

ARterial or INtravenous Administration of Radioraphic contrast media.

DISPONABLE transducer

INTENDED USE/DIRECTIONS FOR USE: This product is intended to be used with a physiological pressure transducer. The purpose of this system is to minimize contrast waste and allow one container of contrast media to be used on more than one patient.

PRECAUTIONS: None known.

CONTRAINDICATIONS: None known.

WARNINGS: Do not use transducer Zero/Compensator Port as an injection site for fluids.

NAMIC Protection Station®

INTENDED USE/DIRECTIONS FOR USE: The NAMIC Protection Station® is utilized during invasive pressure monitoring procedures to contain contrast media prior to injection. The NAMIC Protection Station® is disposable and contains a 10 mL prefilled saline syringe. The NAMIC Protection Station® is designed to be used with a physiological pressure transducer. Do not use transducer Zero/Compensator Port as an injection site for fluids.

PRECAUTIONS: None known.

CONTRAINDICATIONS: None known.

WARNINGS: Do not store fluid in product. Inject immediately after filling. This syringe does not have a pressure gauge. It is recommended that it be used within the range of the physiological pressure transducer. Do not use transducer Zero/Compensator Port as an injection site for fluids.

NAMIC y-Adaptors and Tri-Adaptors

INTENDED USE/DIRECTIONS FOR USE: NAMIC® y-Adaptors and Tri-Adaptors are recommended for supporting a fluid tight connection between the NAMIC Protection Station® and the catheters or needles being advanced over the wire. These devices are intended to be used in fluid management and/or invasive pressure monitoring systems. Do not use transducer Zero/Compensator Port as an injection site for fluids.

PRECAUTIONS: None known.

CONTRAINDICATIONS: None known.

WARNINGS: Maintenance of the line can only be achieved through proper use and use only in a sterile area. If the transducer/pressure gauge device is not used properly, it may result in incorrect pressure readings. The transducer/pressure gauge device can be sterilized by autoclaving. The transducer/pressure gauge device can be sterilized by autoclaving. If the transducer/pressure gauge device is not used properly, it may result in incorrect pressure readings. The transducer/pressure gauge device can be sterilized by autoclaving. If the transducer/pressure gauge device is not used properly, it may result in incorrect pressure readings. The transducer/pressure gauge device can be sterilized by autoclaving.

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PRECAUTIONS: None known.

CONTRAINDICATIONS: None known.

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td2™ Torque Device

INTENDED USE/DIRECTIONS FOR USE: The GateWay Plus™ Y-Adaptor is used to facilitate the introduction of a guidewire or injection. The user of this device should carefully consider the size of the device to be inserted through the Y-Adaptor when selecting the size of the Y-Adaptor to be used. Pressure greater than 250 psi (1700 mmHg) may result in leakage or detachment of components.

PRECAUTIONS: Use only as directed by the Navilyst Medical, Inc. product literature. This is not a sterile product and is intended for use in the field only. Do not use transducer Zero/Compensator Port as an injection site for fluids.

CONTRAINDICATIONS: None known.

WARNINGS: Excessive aspiration into the arterial side port may result in air bypass through the hemostatic valve.

TECH™ Source Device

INTENDED USE/DIRECTIONS FOR USE: The TECH Source Device provides a convenient grip surface for manipulating advancing guidewires and beveled style needles used in coronary balloon dilation. The TECH™ Source Device may be used as an adjunctive device to further limit the advancement of the advancing guidewire through the dilator catheter.

PRECAUTIONS: None known.

CONTRAINDICATIONS: None known.

WARNINGS: This Y-Adaptor should be used only by physicians thoroughly trained in the techniques of percutaneous transluminal coronary angioplasty. Do not use on the polyurethane portion of the catheter. Do not use if packaging is open or damaged.

The GriP™ Torque Device

INTENDED USE/DIRECTIONS FOR USE: The GriP™ Torque Device provides a convenient gripping surface for manipulating advancing guidewires and beveled style needles used in coronary balloon dilation. The GriP™ Torque Device may be used as an adjunctive device to further limit the advancement of the advancing guidewire through the dilator catheter.

PRECAUTIONS: None known.

CONTRAINDICATIONS: None known.

WARNINGS: Excessive tightening may inhibit the ability to manipulate the balloon dilation catheter, guidewire or other therapeutic device during general intravascular procedures. Excessive tightening may inhibit the ability to manipulate the balloon dilation catheter, guidewire or other therapeutic device during general intravascular procedures. Excessive tightening may inhibit the ability to manipulate the balloon dilation catheter, guidewire or other therapeutic device during general intravascular procedures. Excessive tightening may inhibit the ability to manipulate the balloon dilation catheter, guidewire or other therapeutic device during general intravascular procedures. Excessive tightening may inhibit the ability to manipulate the balloon dilation catheter, guidewire or other therapeutic device during general intravascular procedures. Excessive tightening may inhibit the ability to manipulate the balloon dilation catheter, guidewire or other therapeutic device during general intravascular procedures.
For ordering information or to learn more about the complete NAMIC® Fluid Management product line, visit
www.navilystmedical.com

or contact your
Navilyst Medical Territory Manager