IMPLANTABLE PORTS

Vortex®

AngioDynamics®
Better Outcomes. Fewer Complications.

IMPLANTABLE PORTS

The tangential outlet and clear-flow technology behind Vortex® implantable ports set up efficient flushing action to hyper cleanse the entire reservoir, resist sludge build up, and reduce occlusions and infections. All titanium models are latex free/MRI conditional – 3 Tesla, and plastic models are MRI Safe.

Vortex® LP
- Available in plastic and titanium, with single, dual and low-profile options
- Large septum diameter offers greater target area
- Tapered, atraumatic-tip catheter reduces vessel trauma
- Patented Bayonet locking mechanism
- Choice of silicone or polyurethane catheters

Vortex® TR
- Available in plastic and titanium, with single and low-profile options
- Silicone-filled suture holes in titanium models prevent tissue ingrowth
- 100 PSI rated silicone catheters
- Large septum diameter offers greater target area
- One-step locking mechanism means fast, simple and secure procedures

Vortex® MP
- Low-profile design ideal for chest or peripheral placement
- Largest septum diameter of any peripheral port currently on the market
- High radiopaque tip FluoroMax® catheter aids in confirming ideal tip placement
- Marked catheters are available in polyurethane and silicone
- Snap-lock™ locking mechanism confirms secure attachment with feel, sight and sound

Vortex® VX
- Atraumatic-tip catheter tapered to reduce vessel trauma
- Blue boot strain-relief mechanism offers a secure feel and a snug fit
- Available in single and low-profile models
AngioDynamics’ Vortex® implantable ports are available in a number of options to fit the needs of physicians and their patients. Port body options include plastic and titanium, as well as single, dual and low-profile models. Attached and detached catheters are available in silicone and polyurethane in a variety of French sizes.

>> Refer to the complete product list on the back for more information.
### VORTEX® MP

**Single Titanium Port**
- Detached polyurethane catheter: n/a 9.6 MP-PSPK
- Attached silicone catheter: 5 5 MP-PSPK
- Detached silicone catheter: 5 5 MP-PSPK

**Single Plastic Port**
- Detached polyurethane catheter: n/a 5 MP-PSAT
- Attached silicone catheter: 5 5 MP-PSAT
- Detached silicone catheter: 5 5 MP-PSAT

**Kit Components:** (1) Vortex MP titanium low-profile port system, (1) Catheter, (2) Locking mechanisms, (1) Non-coring needle, 22 Ga, (1) Vein pick

**Tray Components:** (1) Vortex MP titanium low-profile port system, (1) Catheter, (2) Locking mechanisms (detached models), (1) Non-coring needle, 22 Ga, (1) Intro, (1) Vein pick, (1) PeelPro™ PTFE introducer, (1) 0.035" x 50 cm guidewire, (1) Infusion set*, (1) Blunt needle (detached models), (1) Tunneler, (2) 10 mL syringes, dual model contains 2 infusion sets

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### VORTEX® VX

**Single Titanium Port**
- Attached silicone catheter: 8 7.2 P5305K
- Detached silicone catheter: 8 7.2 P5355K
- Attached silicone catheter: 10 9.6 P5405K
- Detached silicone catheter: 10 9.6 P5455K

**Low-Profile Titanium Port**
- Attached silicone catheter: 6 5.1 P12105K
- Detached silicone catheter: 6 5.1 P1215K
- Attached silicone catheter: 8 7.2 P12305K
- Detached silicone catheter: 8 7.2 P12355K

**Tray Components:** (1) Vortex VX titanium port system, (1) Silicone catheter, (2) Strain reliefs (detached models), (1) Non-coring needle, 22 Ga, (1) Intro, needle, 18 Ga, (1) Vein pick, (1) PeelPro™ PTFE introducer, (1) 0.035" x 50 cm guidewire, (1) Infusion set, (1) Blunt needle (detached models), (1) Tunneler, (2) 10 mL syringes.

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### VORTEX® TR

**Single Titanium Port**
- Attached silicone catheter: 7 6.6 SSDX-10-I
- Detached silicone catheter: 7 6.6 SSDX-16-I

**Low-Profile Titanium Port**
- Attached silicone catheter: 7 6.6 PSAX-10-I
- Detached silicone catheter: 7 6.6 PSAX-16-I

**Tray Components:** (1) Vortex TR port system, (1) Silicone catheter, (2) Locking mechanisms (detached models), (1) Non-coring needle, 22 Ga, (1) Intro, needle, 18 Ga, (1) Vein pick, (1) PeelPro™ PTFE introducer, (1) 0.035" x 50 cm guidewire, (1) Infusion set, (1) Blunt needle (detached models), (1) Tunneler, (2) 10 mL syringes

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**IMPORANT RISK INFORMATION**

**INDICATION FOR USE:** AngioDynamics implantable access port systems are intended to facilitate frequent blood sampling or the delivery of medications, nutrients, blood products, and imaging solutions.

**CAUTION:** Federal (USA) law restricts this device to sale by or on the order of a physician.

**CONTRAINDICATIONS:** AngioDynamics port systems should not be implanted in the presence of known or suspected infections, sepsis, or peritonitis, in patients who have exhibited prior intolerance to the materials of construction, or patients whose body size or tissue is insufficient to accommodate the size of the port or catheter.

**WARNINGS AND PRECAUTIONS:** The device is sterile and intended for single patient use. Sterile unless the package is opened or damaged. Do not re-sterilize. Use of AngioDynamics anti-coring (19 to 22 gauge Huber point) needles in all procedures is recommended. Observe all instructions for use. Failure to do so may result in patient complications or device damage. POTENTIAL COMPLICATIONS: Use of port systems involve potential risks normally associated with the insertion or use of any implanted device or indwelling catheter including but not limited to: Infection; pneumothorax; catheter malposition, migration or fragmentation; catheter pinch-off or rejection; hemorrhage; hematomata; clot formation, thrombophlebitis or thromboembolism; vessel trauma, including puncture, laceration, and erosion of vessel and skin; cardiac arrhythmia, puncture and tamponade; endocarditis; thoracic duct injury; peritonitis; fibrin sheath; and drug extravasation (leakage). Occlusion may result from clot formation inside the lumen of the catheter, precipitate formation inside the port from incompatible drugs, or from catheter tip placement against a vein wall or valve.

Indications, contraindications, warnings and instructions for use can be found in the instructions for use supplied with each device. Observe all instructions prior to use. Failure to do so may result in patient complications.