Trillium® Affinity NT® Oxygenator

**Bottom Entry/Bottom Exit Blood-Flow Design for Enhanced Air Handling and Pr imeability.**

The Trillium® Affinity NT® oxygenator extends the Affinity™ tradition of consistent, efficient gas transfer due to patented radial flow design. The graduated packing density design of the Affinity NT® oxygenator maximizes gas transfer while minimizing blood shear and priming volume.

Radial flow design ensures consistent performance. Proven PFR fiber increases plasma resistance up to 2.5 times longer. The efficient stainless steel heat exchanger delivers high performance with minimal pressure drop.

**Totally clear design gives you unobstructed visibility of blood, gas and water phases.**

- Graduated bundle-density technology provides consistent shear rate with low pressure drop.
- Short blood-flow path reduces prime, pressure drop and blood shear.
- Unique radial flow design eliminates “force fit” of bundle to case.
- Exact alignment of potting material for easy prime.
- Premembrane access port - allows easier prime - provides ability to measure premembrane pressure - offers another option for transmembrane access.

**ORDERING INFORMATION**

<table>
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<tr>
<th>Model P</th>
<th>No. Units</th>
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<tr>
<td>AFFN-TT</td>
<td>4 units/case</td>
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**References**


**Pressure Settings**

- Static Priming Volume: 2.5 m³
- Recommended Blood Flow Rate: 1-7 l/min
- Minimum Operating Level: 1-7 l/min
- Recommended Reservoir Volume Capacity: 800 ml
- Recommended Blood Flow Rate: 1-7 l/min
RESPONDING TO THE CHALLENGES OF A CHANGING ENVIRONMENT

With new medications, older patients and repeat surgeries, your cardiac surgery environment is constantly changing. To help you respond, we’ve created an oxygenation system that’s more compatible with the challenges you face. The AFFINITY NT® oxygenator is a low-prime, high-efficiency oxygenator that offers consistent performance and convenience. The AFFINITY CVR is available with optional Trillium® Biosurface for your tip-to-tip coverage needs.

TRILLIUM® BIOSURFACE™
• TRIPLE ENDO THELIAL-LIKE ACTION FOR BIOCOMPATIBILITY

Trillium® Biosurface provides endothelial-like benefits for routine use during cardiopulmonary bypass procedures.

- Decreased likelihood to require blood products
- Platelet count preservation
- Affords the same protective effects on circulating platelet count drops as adding albumin to the prime
- Less complement activation after protamine administration
- Less platelet activation
- Less granulocyte activation
- Fewer circuit clots and no renal emboli

Heparin in Trillium® Biosurface is naturally negatively charged. Research demonstrates that negatively charged heparin in Trillium® Biosurface is strongly bonded to the natural endothelium.

Nonleaching heparin does in addition beneficial effects such as:
- Repel the negatively charged platelets
- Inhibit thrombin by binding to antithrombin in a heparin-like manner
- May impair additional processes required for clot formation
- Repel the negatively charged platelet
- Improves platelet count preservation
- May slow the propagation of activated platelets

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