The most modular oxygenator system on the market today

**INSPIRE® Oxygenator Family**

WITH INTEGRATED FILTER

Powerful and precise perfusion with advanced GME control

6F SINGLE 6F DUAL 8F SINGLE 8F DUAL
INSPIRE and HeartLink® Card are an integral part of the HeartLink System . . .

The HeartLink Card improves clinical efficacy by electronically transferring traceability information from your tubing pack, including the Inspire oxygenator and other key components, into your case record within the CONNECT® data management system. This saves time and reduces the risk of transcription errors.

HEARTLINK® SYSTEM

IMPROVING CLINICAL DATA ACCURACY

GDP MONITOR®

CONNECT®

HEARTLINK® CARD

REDUCING AKI & BLOOD TRANSFUSIONS

BCARE5

VALIDATED CAPMOGRAPH

PROVEN SAFE, FLEXIBLE AND MODULAR

FOCUSING ON NEUROLOGICAL PROTECTION

XTRA®

The first integrated Perfusion Management System designed to help clinicians improve patient outcomes, increase clinical efficacy and apply Goal-Directed Perfusion Therapy.
UNMATCHED PERFORMANCE

OUR VISION FOR INSPIRE WAS TO RAISE PERFORMANCE EXPECTATIONS AND EASE OF USE, WHILE PROVIDING CLINICIANS WITH NEW OPTIONS TO IMPROVE CLINICAL OUTCOMES.

EFFECTIVE GME CONTROL

Gaseous microemboli are commonly indicated as potential sources of neurological damage after CPB. Dedicated design solutions within the Inspire HVR and HVR Dual and the Inspire oxygenator modules ensure effective gaseous microemboli (GME) control.

UNIQUE DUAL CHAMBER RESERVOIR

The Inspire DUAL reservoir is the only reservoir designed to easily manage suction blood. Users have the option to hold suction blood in a separate chamber which can then be removed for processing or returned to the perfusion circuit.

GREATER FLEXIBILITY

To best fit the variety of perfusion practices and adult patient needs, the new family features: Full size adult 8 LPM and optimized size adult 6 LPM oxygenator modules.

DESIGNED TO MEET ALL OF YOUR NEEDS

Patient Body Weight & Distribution per INSPIRE Market Assessment Study (MAS) Database

<table>
<thead>
<tr>
<th>Patient Body Weight &amp; Distribution</th>
<th>5 LPM</th>
<th>6 LPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>≈ 50% &lt; 80 Kg</td>
<td>≈ 40% ≤ 100 Kg</td>
<td>≈ 10% &gt; 100 Kg</td>
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Yesterday’s choice

<table>
<thead>
<tr>
<th>Size</th>
<th>5 LPM</th>
<th>6 LPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMALL ADULT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FULL ADULT</td>
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LivaNova’s vision

<table>
<thead>
<tr>
<th>Size</th>
<th>5 LPM</th>
<th>6 LPM</th>
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<tbody>
<tr>
<td>SMALL ADULT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>From 5 to 6 LPM max blood flow rate</td>
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<td></td>
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</table>

Today’s choice with INSPIRE

<table>
<thead>
<tr>
<th>Size</th>
<th>5 LPM</th>
<th>6 LPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>OPTIMIZED ADULT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FULL ADULT</td>
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</table>
REMARKABLE EFFICIENCY

THE INSPIRE FAMILY OF OXYGENATORS ALLOW CLINICIANS TO SAFELY AND COMFORTABLY RUN PERFUSION WHILE ENSURING POWERFUL, PRECISE AND CONSISTENT PERFORMANCE.

LONG PATH OXYGENATOR

Its long path oxygenator membrane with remarkably efficient longitudinal flow design allows high gas exchange at all rated flows. Its polyurethane heat exchanger is capable of highly efficient heat transfer.

End View

Side View

Longitudinal Flow Path

ENHANCED BIOCOMPATIBILITY

Full biocompatibility encompasses the reduction of multiple sources of cellular activation and inflammatory reaction. Coatings reduce platelet and white blood cell adhesion to the circuit. Suction blood contains activated cells and stimulates additional activation. The combination of sequestering suction blood and using coated circuits offers maximum biocompatible benefit. The Inspire Dual reservoir system provides clinicians with new options for activated suction management. The combination of the Inspire Dual reservoir system, Ph.i.s.i.o. PC coating and XTRA autotransfusion system offers clinicians a comprehensive solution to enhanced biocompatibility.
**IMPROVED OUTCOMES**

MINIMIZING HEMODILUTION CONTRIBUTES TO DECREASED BLOOD TRANSFUSIONS AND IMPROVED CLINICAL OUTCOMES DURING AND AFTER CARDIOPULMONARY BYPASS (CPB).

**DYNAMIC OPERATING VOLUME (DOV)**

By focusing on a new attribute, the oxygenator system dynamic operating volume (DOV), the INSPIRE family minimizes the system impact on hemodilution. INSPIRE devices are characterized by the lowest minimum operating level in the reservoir (150 ml), outstanding low venous filter dynamic hold-up volume and low prime oxygenator modules.

**INSPIRE 6F**
- Venous collector priming volume
- Venous filter hold-up volume
- Minimum operating level
- Oxy module priming volume

**INSPIRE 8F**
- Venous collector priming volume
- Venous filter hold-up volume
- Minimum operating level
- Oxy module priming volume

Overall impact on Hemodilution of the Oxygenator System at maximum blood flow
- 502 ml
- 577 ml

**INTEGRATED ARTERIAL FILTRATION**

INSPIRE’S integrated arterial filter design preserves the full functionality of a standalone filter, with the convenience of an all-in-one solution. To enhance priming, these filters included pre- and post-screen purge capabilities.

**Inspire’s Filtration Advantage**
- Pre Screen Chamber
  - Slows blood velocity
  - Directs air to center
- Pre Screen Purge
  - Removes air from filter
- Filter Screen
  - 38 micron
## ORDER GUIDE

### INTEGRATED

<table>
<thead>
<tr>
<th>ITEM #</th>
<th>DEVICE</th>
<th>DESCRIPTION</th>
<th>UNITS PER CASE</th>
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<tbody>
<tr>
<td>050715</td>
<td>INSPIRE 6F</td>
<td>INSPIRE 6 LPM PHISIO OXY MODULE WITH INTEGRATED ARTERIAL FILTER AND PHISIO HARD SHELL VENOUS RESERVOIR</td>
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<tr>
<td>050719</td>
<td>INSPIRE 6F DUAL</td>
<td>INSPIRE 6 LPM PHISIO OXY MODULE WITH INTEGRATED ARTERIAL FILTER AND PHISIO DUAL CHAMBER HARD SHELL VENOUS RESERVOIR</td>
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<td>050716</td>
<td>INSPIRE 8F</td>
<td>INSPIRE 8 LPM PHISIO OXY MODULE WITH INTEGRATED ARTERIAL FILTER AND PHISIO HARD SHELL VENOUS RESERVOIR</td>
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<tr>
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### OXY MODULES

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### HVR

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### ACCESSORIES

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<tr>
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<td>48-42-10</td>
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<td>042229000</td>
<td>TEMPERATURE PROBES</td>
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* To be ordered as an accessory of LivaNova S5 and C5 HLMs

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LivaNova USA, Inc.  
14401 W 65th Way  
Arvada, CO 80004  
Tel. 866.332.1375  
Fax 877.657.3605  
email: info.cardiacsurgery.us@livanova.com

Please always refer to the Instructions For Use (IFU) manual provided with each product for detailed information, warnings, precautions and possible adverse side effects.

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