MYOCARDIAL PROTECTION SYSTEM

Touching Hearts.
Saving lives...

ISO 9001:2008 Certified for Design, Manufacturing and Supply
ISO 13485:2003 Certified Medical Devices Platform
CE Marked Medical Devices
MYOCARDIAL PROTECTION SYSTEM

PRODUCT FEATURES

- Adult and Paediatric delivery system configurations
- Flow engineering with Axial, non turbulent, eddy free design, prevents bubble formation and eliminates need for downstream filters
- Shortest blood flow path over smooth surfaces ... yet best cooling efficiency
- Core flow without thinning of blood, reduces stress
- No held up volume due to top-down reversible design feature
- Mounting direction aspecific
- Priming volume is just 40 ml
- Mixing propositions of blood & Cardioplegia 1:1, 2:1, 4:1

**SPICTRA-MPS COOLING CURVES WITH BLOOD**

<table>
<thead>
<tr>
<th>Volume of blood passed at each flow rate - 1000ml</th>
<th>200 ml/min</th>
<th>300 ml/min</th>
<th>400 ml/min</th>
<th>500 ml/min</th>
</tr>
</thead>
<tbody>
<tr>
<td>Time (min)</td>
<td>0.25</td>
<td>0.5</td>
<td>1.0</td>
<td>2.0</td>
</tr>
<tr>
<td>Temperature (°C)</td>
<td>12</td>
<td>9</td>
<td>6</td>
<td>4</td>
</tr>
<tr>
<td>Cold water inlet temperature -4.5 degree C</td>
<td>0.30</td>
<td>0.25</td>
<td>0.20</td>
<td>0.15</td>
</tr>
<tr>
<td>Cold water recirculation flow rate -6.5 LPM</td>
<td>0.30</td>
<td>0.25</td>
<td>0.20</td>
<td>0.15</td>
</tr>
</tbody>
</table>

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Designed, Developed, Manufactured & Marketed by: