The First Open Oxygen System that offers freedom!!!!!!

02 Diffuser

RTM Diffuser

Vortex Created with 02 Pin

Vortex Created with RTM Diffuser

OxyArm 02 Oxygen Concentration Levels

OxyArm with RTM (CO2) Sampling 02 Concentration Levels

www.southmedic.com  Phone # (705)-726-9383
Ver1000305
The First Open Oxygen System Innovates

…the Science of Oxygen Therapy!!

<table>
<thead>
<tr>
<th>02 Flow Settings</th>
<th>Approximate 02 Concentrations</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 LPM</td>
<td>21%-27%</td>
</tr>
<tr>
<td>2 LPM</td>
<td>28%-31%</td>
</tr>
<tr>
<td>4 LPM</td>
<td>32%-35%</td>
</tr>
<tr>
<td>6 LPM</td>
<td>36%-39%</td>
</tr>
<tr>
<td>8 LPM</td>
<td>40%-43%</td>
</tr>
<tr>
<td>10 LPM</td>
<td>42%-47%</td>
</tr>
<tr>
<td>12-15 LPM</td>
<td>48%-50%</td>
</tr>
</tbody>
</table>

The Science Behind The OxyArm™

Flow patterns, torch like, (vortex like) generated inside a diffuser cup will deliver predictable flow patterns. These planned formations of vortices represent the base technology of the OxyArm. Computational Flow Dynamic Models of the OxyArm technology allow us to visualize what would otherwise be invisible to the naked eye.

Flow dynamics were validated by the University of Western Ontario’s Boundary Layer Wind Tunnel Laboratory.

Support Studies- The Proof!

- "Reduction of motion sickness in pre-hospital trauma care”
  - Study conducted in Austria regarding patients comfort level while be transported by ambulance.,  
  - Anaesthesia,2003 pages 363-384
- "Numerical Simulation of the Flow and Concentration Fields for Oxygen Delivery Systems”
  - Engineering Paper that describes the actual science behind the flow velocities and concentrations.  
- "Collection of Expired Respiratory Gases for the purpose of Capnography- OxyArm versus Capnoxygen Mask”
  - Study of comparison of Capnography of OxyArm and Mask, evidence stating that the OxyArm can measure expired C02 gases  
- "The OxyArm- A new minimal contact Oxygen Delivery System for mouth and nose breathing”
  - Study conducted that explains how the OxyArm oxygen concentrations were measured and calculated  
- "A comparison of the OxyArm- oxygen delivery device versus standard nasal cannula in COPD patients”
  - Respiratory Care, Feb.2003, Vol 48, No2

OxyArm, a Paradigm shift in Oxygen delivery !!!

OxyArm™ Products

- The Science – Predictable Oxygen Delivery,
- The Innovation–Directional Diffuser Technology
- The Results – Open Oxygen Systems
- A PARADIGM SHIFT IN OXYGEN DELIVERY!

OxyArm™ Family

- OxyArm Diffuser
- OxyArm Nasal Cannula
- OxyArm Headband
- OxyKid
- OxyMask
- OxyPlus
- OxyChin

OxyMask
OM-1025-8 OxyMask – with tbg- bx of 25
OM-2025-8 OxyMask-with tbg-RTM-bx of 25

OxyArm Plus
OA-Plus-1025 OxyArm Adjustable bx 25
OA-Plus-2025 OxyArm Adj. RTM bx 25

OxyChin
OC-1025 OxyChin bx of 25
OC-2025 OxyChin – RTM – bx of 25