The First
Open Oxygen System

The Science - Predictable Oxygen Delivery
The Innovation - Directional Diffuser Technology
The Results - Open Oxygen Systems

www.oxyarm.com
Patented Technology

OxyChin™ Disposable Chin Mount Model
For O₂ delivery - single patient use.
Item #EM-OC-1025 without tubing
Item #EM-OC-1025-8 with tubing

OxyChin™ Disposable Chin Mount Model
For O₂ delivery w/ Endtidal CO₂.
Single patient use.
Item #EM-OC-2025 without tubing
Item #EM-OC-2025-8 with tubing

SAFE
● When emesis occurs
● Provides quick access for oral suctioning
● Ideal for conscious sedation & post op oxygenation

EFFICIENT
● OxyChin delivers 1 - 15 LPM
● Rate Trend Monitoring with O₂/ CO₂ model

COMFORTABLE
● Reduces claustrophobia
● Open design allows communication between patient and caregiver
● Minimal contact oxygen delivery system

ORDER CODES:
#EM-OC-1025 - box of 25
#EM-OC-1025-8 - with tubing - box of 25
#EM-OC-2025 - Rate Trend Monitoring - box of 25
#EM-OC-2025-8 - with tubing - Rate Trend Monitoring - box of 25

Oxygen Flow Approximate O₂ Concentrations
Settings   1 LPM  2 LPM  4 LPM  6 LPM  8 LPM  10 LPM  12-15 LPM
21% - 27%  28% - 31% 32% - 35% 36% - 39% 40% - 43% 42% - 47% 48% - 50%

OxyChin
An OxyArm™ Product
Delivers Freedom

Directional Diffuser Technology
1. Controlled Delivery of O₂ in Chronic Hypoxic Patients

Comparative performance of the OxyArm™ versus nasal cannula in chronic hypoxic adult patients on prescribed home oxygen therapy showed that the OxyArm™ was equally effective in maintaining oxygen saturation over variable flow rates as measured by pulse oximetry. For those requiring daily supplemental oxygen, this new system is comfortable, easy to use and has no facial contact. Its innovative patented design allows both nose and mouth breathing in an unencumbered and comfortable way.

OxyArm™ A new minimal contact oxygen delivery system for mouth or nose breathing

CAN J ANESTH 2002 / 49:3 / pp 297-301

1. The OxyArm™ - a new minimal contact oxygen delivery system for mouth or nose breathing

Comparative analysis and exhaustive studies have shown that the OxyArm™ outperformed traditional oxygen delivery devices and in addition, has improved comfort and safety levels for the wearer. Studies have shown that the OxyArm™ delivers O₂ concentrations with impressive results. Flow dynamics were validated by the University of Western Ontario’s Boundary Layer Wind Tunnel Laboratory.

Sciences 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.

Clinical Data

Published Clinical Data

1. The OxyArm™ - a new minimal contact oxygen delivery system for mouth or nose breathing

CAN J ANESTH 2002 / 49:3 / pp 297-301

2. A comparison of the OxyArm™ delivery device & standard nasal cannulae in chronic obstructive pulmonary disease patients

Respiratory Care - Feb 2003, Vol. 48, No.2

3. Both the OxyArm™ and Capnoxygen mask provide clinically useful capnographic monitoring capability in volunteers

CAN J ANESTH 2003 / 50:2 / pp 137-142

4. Reduction of motion sickness in pre-hospital trauma care

Anesthesia, 2003, 58, pp 363-384

Published Clinical Data

OxyArm™

Single patient use w/ headband, diffuser, arm & 7" tubing.

Item #EM-OA-1025-8

OxyArm™ Plus

Single patient use w/ adjustable headband, disposable arm w/ diffuser.

Item #EM-OA-PLUS-1125

OxyArm™ Plus w/ Cannula

Single patient use w/ adjustable headband, disposable arm w/ cannula.

Item #EM-OA-PLUS-3025

OxyArm™ Headband

Single patient use w/ deluxe adjustable headband.

Item #EM-OA-HB-1125

OxyArm™ O₂ Arm

Single patient use w/ adjustable arm.

(Fits into #EM-OA-HB-1125)

Item #EM-OA-DA-2025

OxyCannula

Single patient use w/ disposable cannula.

(Fits into #EM-OA-HB-1125)

Item #EM-OA-DA-3006 or #EM-OA-DA-3025

OxyArm™ RTM Arm

Single patient use w/ adjustable arm.

Item #EM-OA-1025-7

OxyArm™ RTM Arm

Single patient use w/ adjustable arm.

Item #EM-OA-1025-8

OxyArm™ Headband

Single patient use w/ adjustable headband.

Item #EM-OA-HB-1125

OxyArm™ O₂ Arm

Single patient use w/ adjustable arm.

(Fits into #EM-OA-HB-1125)

Item #EM-OA-DA-2025

OxyCannula

Single patient use w/ disposable cannula.

(Fits into #EM-OA-HB-1125)

Item #EM-OA-DA-3006 or #EM-OA-DA-3025

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.

Clinical Data

Comparative analysis and exhaustive studies have shown that the OxyArm™ outperformed traditional oxygen delivery devices and in addition, has improved comfort and safety levels for the wearer. Studies have shown that the OxyArm™ delivers O₂ concentrations with impressive results.

Eliminates known problems with OxyArm™

• Dryness, epistaxis, tissue breakdown related to cannula use.
• Emissy causing aspiration.
• Accidental disconnection from O₂ source can result in dangerous hypoxia and hypercarbia situations.
• Wearers’ acceptance and compliance with oxygen delivery devices are typically unsatisfactory.
• Health care providers experience difficulty accessing the nasal / oral cavity on face mask wearers.
MERCURY MEDICAL® Disconnect Wedge
50/box #10-55340

The MERCURY MEDICAL Disconnect Wedge was designed to facilitate disconnections between the 15mm male connectors of endotracheal tubes, tracheostomy tubes or swivel connectors with grasping surfaces (or ears) and the 15mm female connector.

Place the wedge legs between the male and female connector to be disconnected. While holding the connector closest to the airway (to reduce trauma to the trachea), gently push on the wedge and separate the connectors.

Disp-O-Seal™ Cushion Mouth Seal #10-50100

• An improved alternative to a full mask or mouth piece - single-patient-use.

• May be used for pulmonary function testing and IPPB treatments.

• 50/Pkg

Mercury Nose Clip
#10-50000

• Specifically designed for IPPB treatments

• May be used for pulmonary function testing

• 100/Box

Disposable D.I.S.S. Nut and Gland

• Made of ABS

• Two Piece Swivel - snaps together to prevent loss of components

• 50/Pkg

#10-81050 Oxygen
#10-81051 Medical air

Five-In-One Connector
#10-81060

• Ribbed tubing connector

• 100/package
## Oxygen/Aerosol/Accessories

### In-Line Water and Humidity Trap “Clear View”

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>BR-64597</td>
<td>Small bore tubing, downstream installation, easily cleaned in detergent or vinegar bath. Thoroughly rinse and air dry.</td>
<td>25/box</td>
</tr>
</tbody>
</table>

### Condensation Trap for Liquid Systems

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>BR-64555</td>
<td>Sturdy vinyl bag, 500 ml capacity with drain port, connective tube is 3/16” I.D.</td>
<td>25/box</td>
</tr>
<tr>
<td>BR-64554</td>
<td>Sturdy vinyl bag, 500 ml capacity with drain port, connective tube is 1/4” I.D.</td>
<td>25/box</td>
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</tbody>
</table>

### In-Line “Tee” and Corrugated Tubing Collection System

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Quantity</th>
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</thead>
<tbody>
<tr>
<td>BR64550</td>
<td>Sturdy vinyl bag with drain port, 700 ml capacity</td>
<td>25/box</td>
</tr>
</tbody>
</table>

### Topical High Oxygen Pressure Sleeve, Extremity Use

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Quantity</th>
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</thead>
<tbody>
<tr>
<td>BR-64390</td>
<td>T.H.O.P. Sleeve</td>
<td>6/box</td>
</tr>
<tr>
<td>BR-64393</td>
<td>O.E.M. Manometer, 0 - 60 mmHg.</td>
<td>1/each</td>
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</tbody>
</table>

### Vent Circuit Tubing Hanger

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Quantity</th>
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<tbody>
<tr>
<td>BR-64600</td>
<td>ABS Material • Ball Joint/“C” Clips • For corrugated and small bore tubing</td>
<td>100/box</td>
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</table>

### Tubing Arch, Logan Bow

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Quantity</th>
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<tbody>
<tr>
<td>58-395429</td>
<td>Tiger Arch</td>
<td>50/box</td>
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</tbody>
</table>

### Oxygenator

**Non-Sterile**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>58-396049</td>
<td>Used for rapid oxygenation of patients blood after surgical procedures. Fits all standard endotracheal tubes and tracheostomy tubes (15mm). Allows supplemental oxygen therapy in the recovery room. Oxygen is delivered through small bore tubing connected to the oxygen barb on the oxygenator. A/6” piece of 22mm tubing acts as an oxygen reservoir. Four-way tee with cap and loop allows suction procedures to be accomplished without removing oxygenator.</td>
<td>50/box</td>
</tr>
</tbody>
</table>
Oxygen/Aerosol/Accessories

**Nasal Cannulae Straight Prong**

- Adult Straight Prong with tube 7' length
  - #DM-1161 Box Quantity: 50
- Adult Straight Prong with tube 25' length
  - #DM-1162 Box Quantity: 20
- Adult Straight Prong headset 20'' length
  - #DM-1169 Box Quantity: 50

**Nasal Cannulae Curved Prong**

- Adult Curved Prong with tube 7' length
  - #DM-1165 Box Quantity: 50
- Pediatric Curved Prong with tube 7' length
  - #DM-1163 Box Quantity: 50
- Neonatal Curved Prong with tube 7' length
  - #DM-1164 Box Quantity: 50

**Nasal Cannulae Flared Prong**

- Adult Flared Prong with tube 7' length
  - #DM-1166 Box Quantity: 50

**Nasal Cannulae Flared and Curved Prong**

- Adult Curved/Flared Prong with tube 7' length
  - #DM-1167 Box Quantity: 50
- Adult Curved/Flared Prong headset 20'' length
  - #DM-1168 Box Quantity: 50

**Smoothbore Breathing Systems** for bi-level ventilators

- #DM-B0006 Smoothbore breathing system, 72'' length for bi-level ventilators Box Quantity: 10
- #DM-B0003 Smoothbore breathing system, 72'' length for bi-level ventilators, with #DM-1644 Clear Guard Midi™ breathing filter Box Quantity: 10