Respiratory Care

Makes Every Breath Smoother
GaleMed Corporation specializes in providing devices and interfaces for respiratory care. We believe that breathing is the key to a healthier life. Thus we combine innovative ideals with advanced technology to bring clinicians and patients a unique line of products that are safe and effective.

Products are designed with the combined knowledge from medical practitioners, designers and patients, giving you products that are unique, effective and of exceptional quality. The solutions we provide cover a number of fields within respiratory care such as Oxi.Plus™ for oxygen delivery and Dofin™ for aerosol therapy. Other product brands include ECHO™ for lung training, Babi.Plus™ focusing on neonatal care and Humi.AIDE™ for respiratory humidification.

GaleMed provides comprehensive solutions to patients with asthma, COPD, bronchopulmonary diseases and those with breathing difficulties. We invest considerable amount of research into each of our solutions and incorporates our four core values - safety, ergonomics, comfort and practicality - into our product design. We set high standards and aim to improve the quality of life for our product users.

Products:
- Oxi.Plus™ Oxygen Delivery Interfaces
- Oxygen and Aerosol Delivery Interfaces
- Adjustable and Fixed Venturi
- Bubble Humidifier
- Flow Meter Adaptors
- Babi.Plus™ Pacifier Adaptor
- Neb.Tee and Aerosol Tee Connectors
- Dofin™ MDI Spacer
- Dofin™ Peak Expiratory Flow Meter
- Smile-Vac™ Handheld Suction
- ECHO™ Mucus Clearance Device
- Incentive Spirometer
- ECHO™ Expiratory Muscle Trainer
- Spirometry Filters and Accessories

Please Note: All oxygen tubing in this catalogue comes with a Regular Plus Connector (see page 9) unless specified otherwise. Other types of connectors are available upon request.
Making Every Breath Easier
Oxygen Nasal Cannula

- Oxi.Plus Nasal Cannula
  - Ultra soft and lightweight nasal cannula for oxygen therapy
  - Allergy-free silicone material to minimize skin irritation
  - Flexible and soft tube padding reduces pressure sores around the ears
  - Use with flow indicator to indicate and control airflow for patient safety
  - Expandable, and detachable tubing for easy cleaning
  - Unique contoured nasal prongs to protect the philtrum and nares
  - Each Nasal Cannula Loop includes 6mm ID oxygen tubing connector and Oxi.Plus nasal cannula (oxygen tubing with flow indicator available separately)
  - For single patient use only
  - Conforms to ISO-10993 bio-compatibility standard

- Oxygen Tubing with Flow Indicator
  - Indicates possible occlusions
  - Can detect air flows as low as 1 LPM
  - For single patient use only
  - OF21 Oxygen Tubing w/ Flow Indicator Adaptor, 1.6m
  - OF22 Oxygen Tubing w/ Flow Indicator Adaptor, 2.0m

- Flare Nasal Cannula
  - Includes nasal cannula and oxygen tubing (2-meter)
  - Conform to ISO-10993 biocompatibility standard
  - For single patient use only
  - 3282 Flare Nasal Cannula, Adult

- Softtip-1 Nasal Cannula
  - Includes nasal cannula and oxygen tubing (2-meter)
  - Conform to ISO-10993 biocompatibility standard
  - For single patient use only
  - 3233 Softtip-1 Nasal Cannula Set, Adult
  - 3232 Softtip-1 Nasal Cannula Set, Child
  - 3231 Softtip-1 Nasal Cannula Set, Infant

- Oxygen Conserving Nasal Cannula
  - Patented dual lumen design enables accurate monitoring and sensing of patient’s breathing pattern
  - Compatible with most oxygen conserving devices
  - 3072 Oxygen Conserving Cannula

ON10 Oxi.Plus Nasal Cannula Loop #0, 45cm
ON11 Oxi.Plus Nasal Cannula Loop #1, 60cm
ON12 Oxi.Plus Nasal Cannula Loop #2, 60cm
ON13 Oxi.Plus Nasal Cannula Loop #3, 60cm
Oxygen Masks and Face Tent

- **Oxi.M1 Oxygen and Aerosol Mask**
  - Phthalate-free, non PVC eco-friendly material
  - Ultra soft nose seal with sponge fitting reduces leaks and pressure sore
  - Two way fixture that can be worn over the head or ears for greater comfort and stability
  - Sturdy mask shell resists distortion during transportation and storage
  - 55% lighter than conventional PVC O₂ masks
  - Each set includes a 2-meter oxygen tubing
  - 2-in-1 connector for attachment to oxygen tubing or nebulizer
  - For single patient use only

- **OM Oxygen Masks**
  - Soft and lightweight mask designed for oxygen therapy
  - Aluminum nose clip for mask shape retention to reduce air leak around nose bridge
  - Clear and anatomic design for patient comfort and visual assessment
  - Latex-free elastic head strap for better fit and less skin irritation
  - Each set includes 2-meter oxygen tubing and oxygen tubing connector
  - Conform to ISO-10993 biocompatibility standard
  - For single patient use only

- **Face Tent**
  - Designed for patients with facial skin burn or trauma
  - Built-in 2-meter oxygen tubing
  - Conform to ISO-10993 biocompatibility standard

- **OM15 Oxi.M1 Oxygen Mask Set, Size M**
- **OM16 Oxi.M1 Oxygen Mask Set, Size L**

- **OM-5 Face Tent with Oxygen Tubing**
- **OM-5 Face Tent with Oxygen Adaptor (no tubing)**
High Oxygen Masks

- **Oxi.M1 High-Oxygen Mask**
  - Provides oxygen concentration levels between 85% - 99%
  - One-way valve between the mask and reservoir ensures reservoir oxygen concentration and minimizes CO₂ retention
  - Phthalate-free, non PVC eco-friendly material
  - Ultra soft nose seal with sponge fitting reduces leaks and pressure sore
  - Two way fixture that can be worn over the head or ears for greater comfort and stability
  - Sturdy mask shell resists distortion during transportation and storage
  - 55% lighter than conventional PVC O₂ masks
  - For single patient use only

OM36 Oxi.M1 Hi-Oxygen Mask Set, Size L
OM35 Oxi.M1 Hi-Oxygen Mask Set, Size M

- **High-Oxygen Mask**
  - Provides oxygen concentration levels between 85% - 99%
  - One-way valve between the mask and reservoir ensures reservoir oxygen concentration and minimizes CO₂ retention
  - Ergonomic mask shape fits a wide range of face sizes
  - Flexible and malleable aluminum nose clip to ensure a secure fit and reduced air leaks around the nose bridge
  - Each set includes a Hi-Oxygen Mask, and 2-meter oxygen tubing with regular oxygen tubing connector
  - Conforms to ISO-10993 biocompatibility standard
  - For single patient use only

OM-1 OM-3
OM36 OM-1 Hi-Oxygen Mask Set, Size L
OM35 OM-1 Hi-Oxygen Mask Set, Size M

- **Virus-free Oxygen Mask**
  - Designed for infection control purposes for contagious airborne diseases such as SARS and Bird-Flu
  - Includes Airsoft™ mask and silicone headgear with superior seal to minimize oxygen leak and increases patient comfort
  - Filters bacteria and viruses by up to 99.999%
  - Features an oxygen reservoir for high oxygen concentration
  - One-way valve reduces CO₂ retention
  - Swivel elbow design for flexible use
  - Made with medical grade, latex-free material to minimize allergies and other complications
  - For single patient use only

3658 Virus-Free Oxygen Mask Adult
3657 Virus-Free Oxygen Mask Child
Tracheostomy Interfaces

**Tracheostomy Mask**
- Contoured mask design to provide better seal
- Flexible 360° double-swivel elbow connector with suction port
- Includes a mask and 2-meter oxygen tubing with Regular Plus connector
- Conforms to ISO-10993 biocompatibility standard

5206   OM-6 Tracheal Oxygen Mask Set, Adult  
5204   OM-4 Tracheal Oxygen Mask Set, Adult  
5203   OM-4 Tracheal Oxygen Mask Set, Child

**Tracheal Tee Adaptor**
- Oxygen reservoir features 15cm tube for temporary oxygen storage
- Oxygen supply port with cap: tapered 6mm
- 22/15mm and 22M ISO standard connection ports
- Each set includes 22M, 22/15mm Tracheal Tee piece and 15cm disposable corrugated tubing
- Conforms to ISO-10993 biocompatibility standard

3096   Trachea Tee Set for Oxygen Therapy

**Sil.Flex™ Stoma Pad & TC Pad**
- Contoured surface reduces contact with stoma site and flat surface conforms with tube flange
- Design allows for placement without tube removal (Stoma Pad only)
- Large, soft, flexible pad stabilizes tube
- Biocompatibility tested for skin contact

SP00   Stoma Pad Size 0  
SP01   Stoma Pad Size 1  
SP02   Stoma Pad Size 2  
SP03   Stoma Pad Size 3  
SP04   Stoma Pad Size 4  
DP00   TC Pad 5mm  
DP01   TC Pad 10mm
Adjustable Venturi Mask

- Lite Adjustable Venturi Mask (LAV)
  - Designed based on Bernoulli’s Principle
  - 11 different oxygen concentration settings. Provides oxygen concentration levels between 24% - 90% (at 3 LPM)
  - Compact and lightweight
  - Features a convenient pull-twist-lock mechanism to reduce the risk of accidental mis-adjustments
  - Venturi adaptor with 22M connector for mask, face tent and other applications
  - Each set includes mask, oxygen tubing and adjustable oxygen diluter
  - Can be used with Trachea Mask, Trachea Tee and Face Tent
  - For single-patient use only
  - Conforms to ISO-10993 biocompatibility standard

OV31 LAV Venturi Mask Set, Adult
OV32 LAV Venturi Mask Set, Child
OV33 LAV Venturi Mask Set, Infant
OV34 LAV Trachea Mask Set, Adult
OV35 LAV Trachea Mask Set, Child
OV36 LAV Trachea Tee Set
OV37 LAV Face Tent Kit

OV30 Lite Adjustable Venturi (LAV) Adaptor
33001 Adjustable Oxygen Diluter
33002 Adjustable Oxygen Diluter with Venturi Hood
3089 Venturi Hood/Aerosol Connector (White)
30892 Venturi Hood (Transparent)
Note: Both features 22M port
fixed venturi diluters
- designed based on bernoulli’s principle
- provides oxygen concentration levels between 24% - 60%
- available in 7 different settings: 24, 28, 31, 35, 40, 50 and 60%
- color coded for easy identification
- 22m or 22f connection port
- for single patient use only
- conforms to iso-10993 biocompatibility standard

- color coded for easy identification
- 22m or 22f connection port

<table>
<thead>
<tr>
<th>color</th>
<th>lpm</th>
<th>oxygen</th>
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<tr>
<td>3081</td>
<td>blue</td>
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<tr>
<td>3082</td>
<td>yellow</td>
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<tr>
<td>3083</td>
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<tr>
<td>3085</td>
<td>red</td>
<td>8</td>
</tr>
<tr>
<td>3086</td>
<td>orange</td>
<td>12</td>
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</tbody>
</table>

- fixed venturi face mask
- each set includes 6 fixed venturi diluters with oxygen face mask, venturi hood and 2-meter oxygen tubing
- 22m adaptor for connection to nebulizer

3683   am-1 venturi mask set, adult
3682   am-1 venturi mask set, child
3681   am-1 venturi mask set, infant
3753   am-2 venturi mask set, adult
3684   am-3 venturi mask set, child
3685   am-3 venturi mask set, adult

- fixed venturi tracheostomy mask
- each set includes 6 fixed venturi diluters with tracheal mask, venturi hood and 2-meter oxygen tubing
- 22m adaptor for connection to nebulizer
- swivel elbow connector for greater flexibility

3715   am-4 venturi tracheal mask set, adult
3714   am-4 venturi tracheal mask set, child
Capnography Mask & Cannula

Capno Face Mask
- Designed for capnography
- Supports both nasal and oral gas exchange measurements
- Compact design that combines CO₂ sampling tubing, oxygen tubing and exhalation outlet
- Anatomic mask design provides better seal for accurate CO₂ sampling
- Features flexible 360° swivel connector
- 4.3 Luer Lock for end-tidal CO₂ device connection
- 4.8 mm ID O₂ connector
- Includes 2-meter oxygen tubing

3077 Capno Mask, Adult
3076 Capno Mask, Child

Capno Duo Flow Cannula
- Designed for capnography
- Duo Flow System Cannula with dual channel design for simultaneous oxygen delivery and CO₂ sampling
- Bounded tubing with star lumen to avoid kinking and increase flexibility
- Features hydrophobic filter to prevent damage to device
- 4.3 Luer Lock for end-tidal CO₂ device connection
- 4.8 mm ID O₂ connector
- For single patient use only

3071 Capno Duo Flow/CO₂ Sampling Cannula
Bubble Humidifier and Accessories

**Oxygen Tubing**
- Kink-free tubing features a inner star lumen design to ensure continuous oxygen flow
- Two styles of oxygen tubing connector available (Regular Plus and Fits-all)
- Fits-all connector for flow meter, humidifier or other oxygen/air supply devices
- Different lengths and types of oxygen connectors available upon request
- Conforms to ISO-10993 biocompatibility standard

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>31004</td>
<td>Oxygen Tubing, 1-meter</td>
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<tr>
<td>31510</td>
<td>Oxygen Tubing, 1.8-meter</td>
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<tr>
<td>31310</td>
<td>Oxygen Tubing, 2-meter</td>
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<tr>
<td>31610</td>
<td>Oxygen Tubing, 10-meter</td>
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<tr>
<td>31220</td>
<td>Oxygen Tubing (with one end Fits-All), 2-meter</td>
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**Oxygen Tubing with Flow Indicator**
- Indicates possible occlusions
- Can detect air flow as low as 1 LPM

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>OF21</td>
<td>Oxygen Tubing w/ Flow Indicator Adaptor, 1.6-meter</td>
</tr>
<tr>
<td>OF22</td>
<td>Oxygen Tubing w/ Flow Indicator Adaptor, 2.0-meter</td>
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**Swivel Oxygen Tubing Connector**
- Tapered 6M connection on both ends
- Also available with clamp

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<tr>
<th>Product Code</th>
<th>Description</th>
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<tr>
<td>30019</td>
<td>Swivel O2 Connector</td>
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<tr>
<td>30022</td>
<td>Swivel O2 Connector with Clamp</td>
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</table>

**Disposable Flow Meter Adaptor**

<table>
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<tr>
<th>Product Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>33114</td>
<td>Flow Meter Connector - Extended (Green)</td>
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<tr>
<td>33115</td>
<td>Flow Meter Connector (Green)</td>
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<tr>
<td>33116</td>
<td>Flow Meter Connector (White)</td>
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<tr>
<td>33117</td>
<td>Flow Meter Connector (Yellow)</td>
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**GaleMed Bubble Humidifier**
- Standard DISS Connector for flow meter
- Available with 2, 4 or 6 PSI safety valves and 6mm Oxygen Tubing Port
- Can be used with a heated wire

<table>
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<tr>
<th>Product Code</th>
<th>Description</th>
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<tr>
<td>3403</td>
<td>BH-1 Large Bubble Humidifier 2PSI</td>
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<tr>
<td>3404</td>
<td>BH-1 Large Bubble Humidifier 4PSI</td>
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<tr>
<td>3416</td>
<td>BH-1 Large Bubble Humidifier 6PSI</td>
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<tr>
<td>3407</td>
<td>BH-2 Large Bubble Humidifier 2PSI w/ Heater Wire Port</td>
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**ECO Bubble Humidifier**
- Lightweight with clear water indicators
- Features 4 PSI Safety Valve and 6mm Oxygen Tubing Port

<table>
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<th>Product Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>3417</td>
<td>ECO Bubble Humidifier 4PSI</td>
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</table>

**Small Bubble Humidifier**
- Safety valve at 2 PSI, 4 PSI or 6 PSI

<table>
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<th>Description</th>
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<tbody>
<tr>
<td>3402</td>
<td>BH-3 Small Bubble Humidifier 4PSI</td>
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</table>
Neb.Super High Efficiency Nebulizer

- Neb.Super High Efficiency Nebulizer Mask
  - Reduces average treatment time by up to 45%
  - Optimizes treatment with 85% of particles with < 2.9μm MMAD
  - Effective aerosol delivery system allows for enhanced gas exchange through medical deposition of the surrounding respiratory tract and lungs
  - Suitable for aerosol therapy at gas flows of 6 to 10 LPM
  - Each set includes aerosol mask and Neb.Super Nebulizer Set

NM51 Neb.Super Nebulizer Mask Set (Child)
NM52 Neb.Super Nebulizer Mask Set (Adult)

<table>
<thead>
<tr>
<th>Particle Size(MMAD)</th>
<th>Gas Flow Rate</th>
<th>Reservoir Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.7 μm</td>
<td>0.63 ml/min</td>
<td>20 ml</td>
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</table>

- Particle Size Distribution (Tested with Malvern Spraytec)

<table>
<thead>
<tr>
<th>Particle Size (μm)</th>
<th>Volume (%)</th>
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- NM51 Neb.Super Nebulizer Mask Set (Child)
- NM52 Neb.Super Nebulizer Mask Set (Adult)

- 3732 Standard Mask (Child)
- 3733 Standard Mask (Adult)
- 5231 Aerosol Face Tent
- NH51 Neb.Super Nebulizer Kit
- 5201 AM-4 Tracheostomy Mask (Child)
- 5208 AM-6 Tracheostomy Mask (Adult)
- 052-0016 Elephant Mask (Child)
- 3722 45° Angled Mask (Child)
- 3723 45° Angled Mask (Adult)
Neb.Easy Nebulizer

- Neb.Easy Nebulizer, 18M
- Neb.Easy Nebulizer, 22F

**Particle Size Distribution**

<table>
<thead>
<tr>
<th>Neb.Easy Mask Kit &amp; 45° L-shape Mouth Piece</th>
<th>Neb.Easy Nebulizer Kit (Nebulizer with 18M Connector)</th>
<th>Neb.Easy Nebulizer Kit (Nebulizer with 22F Connector)</th>
</tr>
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<tbody>
<tr>
<td>Isolated Nebulizer Kit</td>
<td>3558</td>
<td>3555</td>
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<tr>
<td>3556 Neb.Easy Nebulizer Kit &amp; 45° L-shape Mouth Piece</td>
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<tr>
<td>P101 Neb.Easy Aerosol Adaptor for Pacifier (pacifier not included)</td>
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</table>

**Particle Size (MMAD)**

- 3.8 µm

**Gas Flow Rate**

- 0.25 ml/min

**Reservoir Volume**

- 6 ml

- Phthalate-free, non PVC eco-friendly material
- Ultra soft nose seal with sponge fitting reduces leaks and pressure sore
- Two way fixture that can be worn over the head or ears for greater comfort and stability
- Lower residual drug in the reservoir and delivers fine particles
- Each set includes Oxi.M1 aerosol mask and Neb.Easy Nebulizer Set

**OM65** Oxi.M1 Neb.Easy Mask Set, Size M
**OM66** Oxi.M1 Neb.Easy Mask Set, Size L
Neb.Plus RF Nebulizer

- Neb.Plus Regular Flow Nebulizer
  - Equipped with a port for medication re-fill
  - Can be connected to a breathing circuit to enable drug delivery during mechanical ventilation
  - V-shape Reservoir to optimize medication and minimize medical residue
  - Suitable for aerosolized medication at gas flows of 6 to 10 LPM

- Neb.Plus RF Nebulizer
  - 3.5 µm
  - 0.3 ml/min
  - 20 ml

- Neb.Plus RF Nebulizer with Mask (Adult): 3737
- Neb.Plus RF Nebulizer with Mask (Child): 3736

- Neb.T Valve 22F, 22/15mm: 7VLD31
- Neb.T Valve 22F, 18F, 22M: 7VLD32
- Neb.T Valve 22M, 22M: 7VLD33

- RF1 Nebulizer Kit with Neb.T Valve: NV31
- RF1 Nebulizer Kit with Neb.T Valve: NV32
- RF1 Nebulizer Kit with Neb.T Valve: NV33

- RF1 Nebulizer Kit with T Adaptor: NT31
- RF1 Nebulizer Kit with T Adaptor: NT32
- RF1 Nebulizer Kit with T Adaptor: NT33

- RF1 Nebulizer Bottle: NB03
Designed for patients who cannot undergo treatments with gas flow rate of 6 LPM and above due to physical/medical condition or limitation of equipment, the Neb.Plus Low Flow Nebulizer can provide continuous nebulizer therapy with gas flow at as low as 1 LPM.

**Neb.Plus Low Flow Nebulizer**
- Low flow aerosol delivery at 1-3 LPM
- Unique color-coded supplemental gas line for connection to Helium and other air sources
- Ancillary tubing attached to the main gas line to minimize tangling and disruption
- Features a medication refill port
- Suitable for neonates, pediatric and patients with lower peak inspiratory flow rate or patients requiring continuous nebulization therapy

P100  Neb.Plus Nebulizer with Babi.Plus Bear Pacifier Adaptor
PA01  Babi.Plus Quick-Attach Pacifier Adaptor

### Particle Size Distribution

<table>
<thead>
<tr>
<th>Particle Size (MMAD)</th>
<th>Gas Flow Rate</th>
<th>Reservoir Volume</th>
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<tbody>
<tr>
<td>3.3 µm</td>
<td>0.02 ml/min</td>
<td>20 ml</td>
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</table>

NB02  Heliox Low Flow Nebulizer
NB01  LF Nebulizer (for Single Gas Source)
NV10  LF1 Nebulizer Kit with Neb.T Valve 22F, 22/15
NV11  LF1 Nebulizer Kit with Neb.T Valve 22F, 22M
NV12  LF1 Nebulizer Kit with Neb.T Valve 22M, 22M
NT11  LF1 Nebulizer Kit with T Adaptor 22F, 22M
Metered Dose Inhalers (MDI) are used to treat respiratory problems through Aerosol therapy. One of the major disadvantages of MDI’s is the need for coordination between MDI actuation and patient inhalation. In most cases, patients fail to use MDI’s properly. The use of a spacer can greatly help patients breathe at their own pace and reduce harmful side effects caused by inadequate drug deposition or trapping of drug at the back of the throat. Using an MDI Spacer allows the user to inhale medication straight into the lungs and optimizes treatment efficiency.

**Dofin Spacer**
- Enhances drug delivery rate by up to 25% and reduces medical waste
- Adaptor compatible with most existing MDI in the market
- Optimization of the medicated air travel dynamics
- Lightweight and easy to grasp and hold

**4205 Dofin Spacer**

**4206 Dofin Spacer for Breathing Circuit**

**5256 Durable Spacer Mask #2**
**5257 Durable Spacer Mask #3**
**5258 Durable Spacer Mask #4**
**5253 Disposable Spacer Mask, child**

**5253 Economic Spacer Mask (Child)**
**5254 Economic Spacer Mask (Adult)**

**4200 MDI Valved Chamber Spacer**
**4201 MDI Spacer with Silicone Mask #0**
**4202 MDI Spacer with Silicone Mask #1**
**4203 MDI Spacer with Silicone Mask #2**
The ECHO Percussor is a unique mucus clearance device that improves the strength of expiratory respiratory muscles and cough efficacy. The ECHO Percussor uses positive airway pressure and vibrations to clear sputum accumulating in the respiratory tract.

**ECHO Percussor**
- Provides 20-25 Hz oscillation frequency
- Built-in adjustable expiratory muscle training mechanism
- Flexible extension tube for bedridden patients

**Optimum Oscillation Frequency for Mucus Mobilization: 20-25 Hz**

Using the ECHO Percussor is an easy and simple way to manage sputum retention in contrast to invasive methods such as suction, the Echo Percussor helps loosen mucous surrounding the respiratory tracts, making airway clearance easier.
Mucus Clearance Device

**Smile-Vac™ Manual Suction Unit**
- Manual suction device to remove excessive mucus, saliva or liquid in the oral cavity or airway
- Soft and bio-compatible suction tube minimizes tissue irritation
- For single-patient use in homecare or in emergency
- Easily cleanable

1411 Smile-Vac™ Manual Suction Unit

**Manual Percussion**
- Suitable for patients with excessive sputum and those who are unable to generate forceful coughs. When combined with the postural drainage technique, patting with the manual percussor provides pulsating vibrations and rhythmic shocks that help to facilitate mucus clearance.
- Made of soft silicone material; can be easily disassembled for cleaning

39200 Manual Percussor, Small
39201 Manual Percussor, Medium
39202 Manual Percussor, Large

Instructions on how to use the Manual Percussor:

1. Cup the manual percussor in between your thumb and index finger as shown.
2. As patient leans forward, pat the manual percussor at a steady but firm rhythm.
Positive Expiratory Pressure (PEP) with Neb.Super Nebulizer

- Combines the use of nebulizer with PEP device to maintain alveolar inflation and enhance treatment efficacy
- Maintains the PEP for better nebulization results
- PEP valve pressure range: 5-20cmH₂O
- Neb.Super nebulizer reduces time required for nebulization by 40%
- Anatomic and comfortable mouthpiece

Positive Expiratory Pressure (PEP) with Neb.Easy Nebulizer (T style)

- Another PEP device with a slightly different configuration. The nebulizer is connected to the PEP device via a valved T connector to provide medication
- Pressure valve can be adjusted and set between 5-20cm H₂O; colour coded for easier identification of pressure ranges
- Anatomic and comfortable mouthpiece

Expiratory Muscle Trainer

- An EMT with an adjustable range of 5-20 cm H₂O expiratory resistance
- Uses positive airway pressure to help strengthen expiratory muscles and endurance for patients with COPD
- Can be used with a mouthpiece or mask; can be easily assembled or disassembled for cleaning

5482 EMT Expiratory Muscle Trainer (T-Type)
5484 EMT Expiratory Muscle Trainer (Y-Type)
Breathing Trainer

**Tri-Ball Incentive Spirometer**
- Designed to stimulate lung function recovery after surgery
- Breathing in through the spirometer helps strengthen the inspiratory muscles
- Color-coded balls in each chamber to provide a visual incentive to indicate the inspiratory flow rate at 600 ml/sec, 900 ml/sec and 1200 ml/sec

**ECHO Expiratory Muscle Trainer**
- An expiratory muscle trainer that encourages users to blow through the device to lift the training indicator
- Suitable for users to improve performances requiring maintenance and managing expiratory breathing muscles
- Adjustable pressure valve to adjust training levels
- Comes with a pop-up training status indicator when the weight has been lifted
- Includes a safe-release neck strap and a soft, comfortable mouthpiece

4311   Tri-Ball Incentive Spirometer

DK21   ECHO Expiratory Muscle Trainer
Peak Flow Meter and Accessories

**Peak Expiratory Flow Meter**
- Measures the peak expiratory flow (PEF) score before and after medication for patients
- Slip-free design with finger placement grooves
- Lightweight & compact for travel
- Visual indicators, slider, marker and record graphs are available for ease of PEF score tracking
- Simple Self-Assessment tables to review PEF score
- Available in 2 models: 200-800 LPM for Adults and 50-300 LPM for children

4121  Peak Flow Meter Adult (200-800 LPM)
4131  Peak Flow Meter Child (50-300 LPM)

**Accessories for Spirometry and Lung Training**

- Slip-Free Finger Grooves
- Protective Seal
- Hand Strap

40011 Mouth Piece (30F), TPR (Blue)
3008  Mouth Piece (30F), PVC
3007  Mouth Piece (22F), PVC
002-0347-01 Mouth Piece (22F), TPR (White)

ZV25  SL NIV Mask, #5
ZV26  SL NIV Mask, #4
ZV27  SL NIV Mask, #3

3055  Nose Clip (Blue)
3056  Nose Clip (Orange)
Spirometry Filter

A Wide Variety of Filters for Spirometry

7FSD41 30mm ID, 30mm OD
Compatible with ISO 30mm
Resistance: < 0.4 cmH₂O @ 50 L/Min
Dead Space: < 95 ml

7FSD45 26.5/30.5mm, 20.8/24.8mm
Compatible with Chest
Resistance: < 0.5 cmH₂O @ 50 L/Min
Dead Space: < 40 ml

7FSD42 30/34mm, 26/30mm
7FSD43 29.5/33.5mm, 25.5/30mm
Compatible with Jaeger/Sensormedics
Resistance: < 0.5 cmH₂O @ 50 L/Min
Dead Space: < 50 ml

7FSD46 30/34mm, angle mouthpiece
Compatible with Jaeger/Sensormedics
Resistance: < 0.5 cmH₂O @ 50 L/Min
Dead Space: < 50 ml

7FSD44 25.5/28.5mm, 25.5/30mm
Compatible with COSMED
Resistance: < 0.5 cmH₂O @ 50 L/Min
Dead Space: < 48 ml

7FSD47 30/33.5mm, mouthpiece
Compatible with Jaeger/Sensormedics
Resistance: < 0.5 cmH₂O @ 50 L/Min
Dead Space: < 50 ml

4410 30mm ID, 30mm OD
Compatible with ISO 30mm
Resistance: < 0.8 cmH₂O @ 40 L/Min
Dead Space: < 100 ml
Symbols and Cleaning Method

Users should fully understand the uses of products and the following symbols before use.

Cleaning instructions for homecare products:
When cleaning or disinfecting homecare products, users can follow the following general guidance as well as the individual product user manuals:

1. Boiling Water can be used on products that are not degradable. Products that are metal and stainless steel nature can be disinfected by boiling for 10 - 15 minutes with water.
2. Hot-water disinfection (Pasteurization) is a high level, non toxic disinfection process that can be used to reprocess products. In this process, a previously cleaned equipment is immersed in a water bath at 63-65°C for 30 minutes.
3. Alcohol Disinfection: Place products under a combination of mild soap and water and rinse thoroughly, then; proceed to soak under 70% Isopropanol (Alcohol) for 5 minutes which then should be rinsed with sterile water.
4. Detergents: Clean and remove all organic matter (blood and tissue) along with other residue from product or equipment. Wash products using a mild detergent such as (glutaraldehyde) and then rinse with sterile water. Products should then be dried and stored in a cool and dry place.

Important Note:
1. After disinfection and sterilization procedures, products and equipment should be stored in an appropriate package so as to avoid further contamination
2. Disposable products should be disposed after one-time use. This is to minimize cross-contamination and ensure patient safety.

Common Materials and Sterilization Method

<table>
<thead>
<tr>
<th>Material</th>
<th>Autoclavable</th>
<th>Chemical Disinfection</th>
<th>Ethylene Oxide Sterilization</th>
</tr>
</thead>
<tbody>
<tr>
<td>PVC</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Acrylic</td>
<td>No</td>
<td>No</td>
<td>No</td>
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<tr>
<td>K-Resin</td>
<td>No</td>
<td>No</td>
<td>No</td>
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<tr>
<td>ABS</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
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<tr>
<td>Polyethylene(PE)</td>
<td>No</td>
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<td>No</td>
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<tr>
<td>Polypropylene(PP)</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
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<tr>
<td>Hytrel</td>
<td>Yes (121c)</td>
<td>No</td>
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<td>Polycarbonate(PC)</td>
<td>Yes (121c)</td>
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<tr>
<td>Polysulfone(PSF)</td>
<td>Yes</td>
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<tr>
<td>Silicone Rubber</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>Stainless Still</td>
<td>Yes</td>
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Disposable and single-patient use products are designed to reduce the risk of cross-contamination and therefore have strict prohibitions on re-processing or reusing them on multiple users. When re-using durable products, make sure to follow validated institution policy and procedure as well as the information available for disinfection processes.

When to clean or disinfect:
1. If product has been used
2. If product is contaminated
3. If product has been used for more than 24 hours on a single-patient

Manufacturer’s suggested procedure for disinfection:
The following instruction is a general guide. Please refer to individual organization’s operating instructions on cleaning and disinfecting products:

a. High Temperature Pressure Disinfection:
   Products should be disinfected at 134°C for 5 minutes (eg. for materials such as polysulfone, silicone, stainless steel). For hytrel and polycarbonate products, the temperature should not exceed 121°C and should not be processed for longer than 15 minutes.

b. Chemical Disinfection:
   Products should be soaked under warm water with mild detergents. Wash and rinse thoroughly to remove any residual material and store in a cool dry place to allow it to air dryer.

c. Ethylene Oxide Disinfection:
   Follow the instruction for use for Ethylene Oxide disinfection devices.

Caution

- Reference Number
- Manufacturer
- Manufacture Date
- Shelf Life
- Product Usage Environment Temperature Limit
- Sterilized by Ethylene Oxide
- Disposable Product
- Do not reuse
- Single-Patient Use-only
- Do not reuse on multiple-users
- Phthalate Free
- Latex Free

Manufacturer’s suggested procedure for disinfection:
Please refer to individual organization’s operating instructions on cleaning and disinfecting products:

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