PRODUCT CATALOG

“Every Breath Matters”
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ABOUT ARC MEDICAL, INC.

ARC Medical Inc., was founded in 1990 by Hal Norris. We are committed to providing the Anesthesia, ICU and Emergency areas of hospitals as well as Long Term Acute Care Hospitals and Same Day Surgery Centers with safe and effective products with emphasis on quality. Outside the hospital arena, we provide excellent products for patients in the Home Care market. Our products are not "me too" devices.

The initial product introduced is the highest performing Hygroscopic Condensing Humidifier (HME), the ThermoFlo® System, available anywhere in the world. The introduction of these devices for the ICU and LTAC usage revolutionized the delivery of humidification to the ventilator dependent patient.

ARC Medical products consist of Class I and Class II filter and non-filter HME/HCH devices for use in ICU, LTAC and anesthesia. All of these HME/HCH devices meet and exceed the guideline established for humidification of the respiratory tract when the upper airway is bypassed (AARC Clinical Practice Guidelines)
ThermoFlo® Filter
Maintains sputum consistency and provides therapeutic humidification in a filtered device. Zero ET tube occlusions reported.

Order Information:
#6000 ThermoFlo Filter w/ HCH 40/case
#6001 ThermoFlo Filter w/HCH EcoPak 100/case
#6001V ThermoFlo Filter w/ HCH VolumePak 200/case

Specifications at high $V_E$:
- Moisture Returned $H_2O/L$: 33 mg @ 10L $V_E$ & 31mg @ 20L $V_E$
- Resistance: @ 30 LPM - 1.2cm
- Dead Space: 75 ml  
- Weight: 33 grams  
- Tidal Volume Range: 250ml - 1500 ml  
- Bacterial/Viral Efficiency: 99.99%+  
- TB Filtration Efficiency: 99.99%+

ThermoFlo® Filter Special
The “S” Version provides a collection chamber to help guard against increasing resistance due to secretions. Zero ET tube occlusions reported.

Order Information:
#6000S ThermoFlo Special 40/case
#6001S ThermoFlo Special EcoPak 100/case
#6000SV ThermoFlo Special VolumePak 200/case

Specifications at high $V_E$:
- Moisture Returned $H_2O/L$: 33mg @ 10L $V_E$ & 31mg @ 20L $V_E$
- Resistance: @ 30 LPM - 1.2cm
- Dead Space: 75 ml  
- Weight: 33 grams  
- Tidal Volume Range: 250ml - 1500 ml  
- Bacterial/Viral Efficiency: 99.99%+  
- TB Filtration Efficiency: 99.99%+
ThermoFlo® MIDI HCH with Filter

The MIDI version provides therapeutic humidification in a medium sized device.

_Also available in a “special” version which provides a collection chamber to help guard against increasing resistance due to secretions. Zero ET tube occlusions reported._

**Order Information:**

- #6310 ThermoFlo MIDI w/ETCO₂ port 40/case
- #6310E ThermoFlo MIDI w/ETCO₂ port 100/case
- #6310S ThermoFlo MIDI Special w/ETCO₂ port 40/case
- #6310SE ThermoFlo MIDI Special w/ETCO₂ port 100/case

**Specifications at high Vₑ:**

- Moisture Returned: 32mg @ 20LVₑ
- Resistance: @ 30 LPM - 1.5cm
- Dead Space: 47ml
- Weight: 33 grams
- Housing: Clear
- Tidal Volume Range: 100ml - 1200ml
- Bacterial/Viral Efficiency: 99.99%+
- TB Filtration Efficiency: 99.99%+

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ThermoFlo®¹ HCH with Filter

The small size and low profile are excellent for pediatric, adult and ICU and anesthesia patients.

**Order Information:**

- #6100 ThermoFlo1 Filter HCH 50/case
- #6101 ThermoFlo1 Filter HCH EcoPk 100/case
- #6120 ThermoFlo1 Filter HCH with ETCO₂ 50/case
- #6121 ThermoFlo1 Filter HCH with ETCO₂ 100/case

**Specifications at high Vₑ:**

- Moisture Returned H₂O/L: 30.2mg @ 10LVₑ
- Resistance: @ 30 LPM - 1.2cm
- Dead Space: 30ml
- Weight: 14 grams
- Housing: Clear
- Tidal Volume Range: 100ml - 1200ml
- Bacterial/Viral Efficiency: 99.99%+
- TB Filtration Efficiency: 99.99%+

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**To ORDER CALL:** 800.950.ARC1 (2721)
ThermoFlo® HN (No Filter)
Therapeutic humidification in an economically priced HCH. Useful when a filter is not needed.
When nebulating directly through ThermoFlo® HN (HME), the moderate reduction in aerosol delivery shows no significant increase in Raw.
HN may provide a reasonable alternative to removing and replacing HME with each aerosol administration. (Midi not tested for aerosol delivery)

Order Information:
#6070 ThermoFlo HCH 40/case Midi size—not pictured
#6071 ThermoFlo HCH EcoPak 100/case
#6072 ThermoFlo HCH w/ ETCO₂ Port 100/case
#6073 ThermoFlo HCH w/ETCO₂ Port 100/case

Specifications at high Vₑ:
Moisture Returned: H₂O/L: 33mg @ 10L Vₑ
Resistance: @ 30 LPM - 0.4 cm
Dead Space: 75 ml Weight: 32 grams Housing: Clear
Tidal Volume Range: 250ml - 1500ml

ThermoFlo® 1 HCH (No Filter)
The small size and low profile are excellent for pediatric and adult patients. Economically priced, and useful when a filter is not needed.

Order Information:
#6060 ThermoFlo1 50/case
#6061 ThermoFlo1 100/case
#6160 ThermoFlo1 w/ ETCO₂ Port 50/case
#6161 ThermoFlo1 w/ETCO₂ Port 100/case

Specifications at high Vₑ:
Moisture Returned H₂O/L: 30.2mg @ 10L Vₑ & 31mg @ 20L Vₑ
Resistance: @ 30 LPM - 0.7cm
Dead Space: 30ml Weight: 14 grams Housing: Clear
Tidal Volume Range: 100ml - 1200ml

To ORDER Call: 800.950.ARC1 (2721)
CONSTRUCTION:

- Filter
- HME Media
- Sputum Chamber

Taper Drape Flex Tube
- Taper is 22mm & 15mm 6"
- Order #5010T 100/case

Poppel Flex Tube
- Poppel is 15mm & 22mm 5.5"
- Order #5010P 100/case

*NOTE: To add a Taper Flex tube packaged with ThermoFlo®, add the letter “T” to the order number. Example:
NoMist™

An alternative to Trach Mist

This alternative produces a more desirable response. NoMist tends to mimic the function of the upper airway, and is a more natural way of heating, humidifying and filtering the incoming air. NoMist is sold in a convenient kit with 1 NoMist and 3 ThermoFlo® Midi HMEF

- Mucus quality and production decreased
- Respiratory distress reduced
- Infections improved—less antibiotic use
- Less need for supplemental oxygen
- Reduced coughing
- Significant cost reduction
- Less laundry requirements, as mucus was contained within the device

Midi Specifications at high $V_E$:
- Moisture Returned: 32mg @ 20L$V_E$
- Resistance @ 30 LPM: .5 cm
- Dead Space: 47 ml
- Weight: 33 grams
- Tidal Volume Range: 150ml - 1200ml
- Bacterial/Viral Efficiency: 99.99%+
- TB Filtration Efficiency: 99.99%+

Optional $O_2$ Adaptors sold separately

<table>
<thead>
<tr>
<th>NoMist™</th>
<th>Description</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>3000</td>
<td>NoMist + 3 ThermoFlo Midi Filter</td>
<td>10</td>
</tr>
<tr>
<td>3000E</td>
<td>NoMist + 3 ThermoFlo Midi Filter</td>
<td>20</td>
</tr>
<tr>
<td>3000V</td>
<td>NoMist + 3 ThermoFlo Midi Filter</td>
<td>50</td>
</tr>
<tr>
<td>3000F</td>
<td>NoMist + 3 ThermoFlo Midi Filter + poppel flex tube</td>
<td>10</td>
</tr>
<tr>
<td>3000FE</td>
<td>NoMist + 3 ThermoFlo Midi Filter + poppel flex tube</td>
<td>20</td>
</tr>
<tr>
<td>3000FV</td>
<td>NoMist + 3 ThermoFlo Midi Filter + poppel flex tube</td>
<td>50</td>
</tr>
<tr>
<td>3001</td>
<td>NoMist + 3 ThermoFlo Midi</td>
<td>10</td>
</tr>
<tr>
<td>3001E</td>
<td>NoMist + 3 ThermoFlo Midi</td>
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</tr>
<tr>
<td>3001V</td>
<td>NoMist + 3 ThermoFlo Midi</td>
<td>50</td>
</tr>
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<td>3001F</td>
<td>NoMist + 3 ThermoFlo Midi + poppel flex tube</td>
<td>10</td>
</tr>
<tr>
<td>3001FE</td>
<td>NoMist + 3 ThermoFlo Midi + poppel flex tube</td>
<td>20</td>
</tr>
<tr>
<td>3001FV</td>
<td>NoMist + 3 ThermoFlo Midi + poppel flex tube</td>
<td>50</td>
</tr>
</tbody>
</table>
ThermoFlo® Trach HCH
Available in either a basic trach or CRV (cough relief valve) trach. The CRV may be used for suctioning without removing the device, and features an optional integrated O₂ adapter for supplemental O₂ delivery. The HCH material is non-absorbing, helping to eliminate resistance. These are designed for spontaneously breathing patients through a tracheotomy tube.

ThermoFlo® Trach Basic:
#6240  30/box
#6240E 240 units (packed 8 bags of 30 each)

ThermoFlo® Trach Basic Oxygen Adapter:
#6258  25/box

ThermoFlo® Trach Cough Release Valve (CRV):
#6241  With O₂ port  30/box
#6241E With O₂ port  240/box  (packed 8 bags of 30 each)
#6242  Without O₂ port  30/box
#6242E Without O₂ port  240/box

ThermoFlo® Neo HCH
Transport moisture for patients who need it the most. Unexcelled low resistance to flow, critical in the care of special care babies. Non-absorbing HCH material reduces resistance problems.

Order Information:
#6215  ThermoFlo Neo  100/case
#6220  ThermoFlo Neo with ETCO₂ Port  100/case

Specifications:
- Moisture @ V₁ 20ml = 32.5mg H₂O/L air @V₁ 25ml = 31.0 H₂O/L air
- Resistance @ 7.5 L/min = 0.35cm H₂O @ 15L/min 0.95cm H₂O
- Dead Space: 2.5ml Weight: 3 grams
- Tidal Volume Range: 5ml - 50ml

To ORDER CALL: 800.950.ARC1 (2721)
ANESTHESIA FILTERS WITH HCH

circuitGuard® HCH & Filter
*(ThermoFlo™1 Filter)*

Protects patients and anesthesia equipment from contamination. The three main components of circuitGuard® are manufactured as one unit, using our exclusive sure-fit system eliminating possible fail points. Monitoring C0₂ on the device protects C0₂ lines from contamination.

Order Information:
#6126 circuitGuard Straight Filter, HCH, ETCO₂ Port & Elbow  100/case

Specifications:
Humidity Returned mg H₂O/L: 30.2mg @ 10L Vₑ
Resistance: @ 30 LPM - 1.2cm
Dead Space: 30ml    Weight: 14 grams    Housing: Clear
Tidal Volume Range: 100ml - 1200ml
Bacterial/Viral Efficiency: 99.99%+   TB Efficiency 99.99%+

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circuitGuard® Angle HCH & Filter *(ThermoFlo™1 Filter)*

Protects patients and anesthesia equipment from contamination. The three main components of circuitGuard® are manufactured as one unit using our exclusive sure-fit system eliminating possible fail points. Our Angle Device replaces need for an elbow. Monitoring C0₂ on the device protects C0₂ lines from contamination.

Order Information:
#6131 circuitGuard 90° Right Angle Filter, HCH & ETCO₂ Port  100/case

Specifications:
Humidity Returned mg H₂O/L: 30.2mg @ 10L Vₑ
Resistance: @ 30 LPM - 1.2cm
Dead Space: 30ml    Weight: 14 grams    Housing: Clear
Tidal Volume Range: 100ml - 1200ml
Bacterial/Viral Efficiency: 99.99%+   TB Efficiency 99.99%+

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To ORDER CALL: 800.950.ARC1 (2721)
circuitGuard® Filter Only (FilterFlo™ Filter)

Protects patients and anesthesia equipment from contamination. The three main components of circuitGuard® are manufactured as one unit using our exclusive sure-fit system. No glue or welding is needed, eliminating possible failure points.

*Included in the package is an elbow. Monitoring C0₂ on the device will protect C0₂ lines from contamination.*

Order Information:
#7056 circuitGuard Straight Filter Only, ETCO₂ Port & Elbow  100/case

Specifications:
- Resistance: @ 30 LPM - 0.8cm
- Dead Space: 30ml
- Tidal Volume Range: 100ml - 1200ml
- Weight: 13 grams
- Bacterial/Viral Efficiency: 99.9%+  TB Efficiency 99.9%+
- Housing: Clear

Order Information:
#7061 circuitGuard Angle Filter Only, ETCO₂ Port  100/case

Specifications:
- Resistance: @ 30 LPM - 0.8cm
- Dead Space: 30ml
- Tidal Volume Range: 100ml - 1200ml
- Weight: 13 grams
- Bacterial/Viral Efficiency: 99.9%+  TB Efficiency 99.9%+
- Housing: Clear

To ORDER CALL: 800.950.ARC1 (2721)
ANESTHESIA MASKS

Soft Air Cushion Face Masks with Inflation Valve
May be packaged with circuitGuard® for your convenience.

NOTE: To add a mask to circuitGuard®, add the letter “M” and the size of mask “5” or “5+”.
Example: 6126M5+
circuitGuard and Masks Combination are 50 per case.

<table>
<thead>
<tr>
<th>Face Masks With Inflation Valve</th>
<th></th>
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<tbody>
<tr>
<td>5001</td>
<td>50 case</td>
<td>Cushion Mask size 1</td>
</tr>
<tr>
<td>5002</td>
<td>50 case</td>
<td>Cushion Mask size 2</td>
</tr>
<tr>
<td>5003</td>
<td>50 case</td>
<td>Cushion Mask size 3</td>
</tr>
<tr>
<td>5004</td>
<td>50 case</td>
<td>Cushion Mask size 4</td>
</tr>
<tr>
<td>5005</td>
<td>50 case</td>
<td>Cushion Mask size 5</td>
</tr>
<tr>
<td>5004+</td>
<td>50 case</td>
<td>T-Rest Mask size 4</td>
</tr>
<tr>
<td>5005+</td>
<td>50 case</td>
<td>T-Rest Mask size 5</td>
</tr>
<tr>
<td>Add Mask</td>
<td>50 Case</td>
<td>i.e. 7056M5+ (6126, 6130)</td>
</tr>
</tbody>
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ANESTHESIA CIRCUITS

Our anesthesia circuits are available in your choice of expandable or corrugated tubes. These circuits have no ports, no elbow and no filter. They are packaged with the wye piece, attached tubes with cuff adapters, and choice of various sized latex free rebreathing bag.

<table>
<thead>
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<th>Expandable Circuits</th>
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<tbody>
<tr>
<td>X40LF3</td>
<td>30 case</td>
<td>40&quot; flex, 3L latex free</td>
</tr>
<tr>
<td>X72LF3</td>
<td>30 case</td>
<td>72&quot; flex, 3L latex free</td>
</tr>
<tr>
<td>X96LF3</td>
<td>30 case</td>
<td>96&quot;flex, 3L latex free</td>
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<table>
<thead>
<tr>
<th>Corrugated Circuits</th>
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<tr>
<td>D40LF3</td>
<td>30 case</td>
<td>40&quot; hose, 3L latex free</td>
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<td>D60LF3</td>
<td>30 case</td>
<td>60&quot; hose, 3L latex free</td>
</tr>
<tr>
<td>D72LF3</td>
<td>30 case</td>
<td>72&quot; hose, 3L latex free</td>
</tr>
</tbody>
</table>

New color coded sizes available soon.

To Order Call: 800.950.ARC1 (2721)