

ARC Medical, Inc.

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*)

One circuit per day



circuitGuard®

See Page 9—11

RESPIRATORY CARE HCHF



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

Housing: Clear

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

Housing: Clear

Tidal Volume Range: 250ml - 1500ml

Bacterial/Viral Efficiency: 99.99%+

TB Filtration Efficiency: 99.99%+

RESPIRATORY CARE HCHF

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/ETCO ₂ port	40/case
#6310E	ThermoFlo MIDI w/ETCO ₂ port	100/case
#6310S	ThermoFlo MIDI Special w/ETCO ₂ port	40/case
#6310SE	ThermoFlo MIDI Special w/ ETCO ₂ port	100/case

Specifications at high V_E:

Moisture Returned: 32mg @ 20LV_E

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%+

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 ETCO ₂	50/case
#6121	ThermoFlo1 Filter HCH with ETCO ₂	100/case

Specifications at high V_E:

Moisture Returned H₂O/L: 30.2mg @ 10L V_E

Resistance: @ 30 LPM - 1.2cm

Dead Space: 30 ml Weight: 14 grams Housing: Clear

Tidal Volume Range: 100 ml - 1200ml

Bacterial/Viral Efficiency: 99.99%+ TB Filtration Efficiency: 99.99%+

RESPIRATORY CARE HCH

(NON-FILTERED)



ThermoFlo® HN (No Filter)

Therapeutic humidification in an economically priced HCH. Useful when a filter is not needed.

When **nebulizing 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	<i>Midi size—not pictured</i>
#6071 ThermoFlo HCH EcoPak	100/case	
#6072 ThermoFlo HCH w/ ETCO ₂ Port	100/case	#6305 ThermoFlo Midi w/ETC02 Port 50/case
#6073 ThermoFlo HCH w/ETCO ₂ Port	100/case	#6305E ThermoFlo Midi w/ETC02 Port 100/case

Specifications at high V_E:

Moisture Returned: H₂O/L: 33mg @ 10L V_E

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/ ETCO ₂ Port	50/case
#6161 ThermoFlo1 w/ ETCO ₂ Port	100/case

Specifications at high V_E:

Moisture Returned H₂O/L: 30.2mg @ 10L V_E & 31mg @ 20L V_E

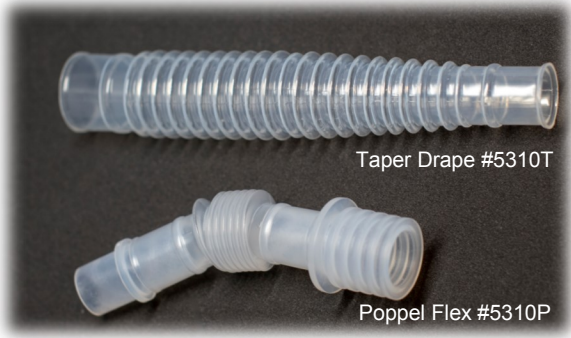
Resistance: @ 30 LPM - 0.7cm

Dead Space: 30ml Weight: 14 grams

Housing: Clear

Tidal Volume Range: 100ml - 1200ml

FLEX TUBES



Taper Drape Flex Tube

Taper is 22mm & 15mm 6"

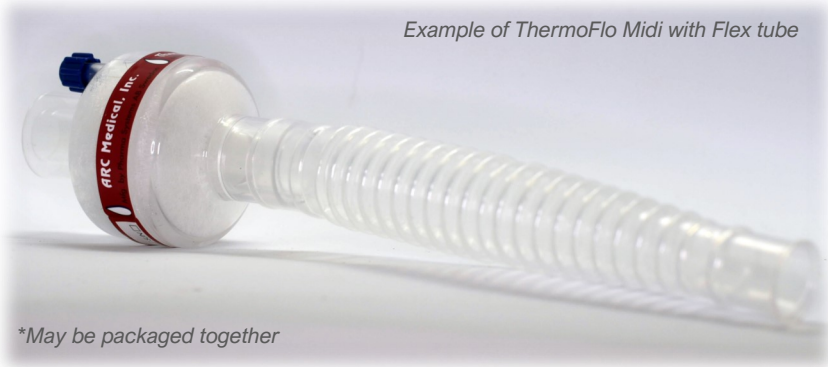
Order #5010T 100/case

Poppel Flex Tube

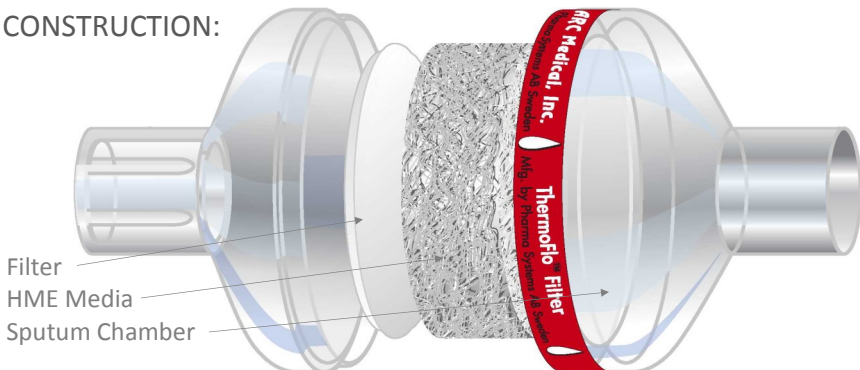
Poppel is 15mm & 22mm 5.5"

Order #5010P 100/case

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



CONSTRUCTION:



TRACH HUMIDIFICATION

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 @ 20LV_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 O₂ Adaptors sold separately



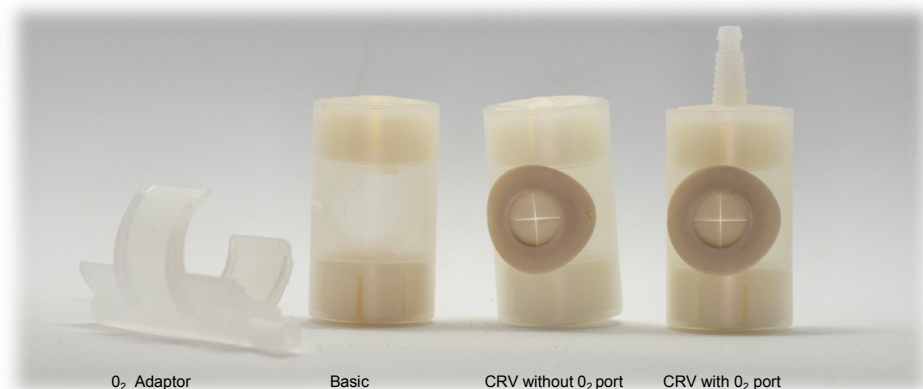
NoMist with suction catheter



NoMist without suction catheter

NoMist™		
Product	Description	Units
3000	NoMist + 3 ThermoFlo Midi Filter	10
3000E	NoMist + 3 ThermoFlo Midi Filter	20
3000V	NoMist + 3 ThermoFlo Midi Filter	50
3000F	NoMist + 3 ThermoFlo Midi Filter + poppel flex tube	10
3000FE	NoMist + 3 ThermoFlo Midi Filter + poppel flex tube	20
3000FV	NoMist + 3 ThermoFlo Midi Filter + poppel flex tube	50
3001	NoMist + 3 ThermoFlo Midi	10
3001E	NoMist + 3 ThermoFlo Midi	20
3001V	NoMist + 3 ThermoFlo Midi	50
3001F	NoMist + 3 ThermoFlo Midi + poppel flex tube	10
3001FE	NoMist + 3 ThermoFlo Midi + poppel flex tube	20
3001FV	NoMist + 3 ThermoFlo Midi + poppel flex tube	50

TRACHEOSTOMY HUMIDIFICATION



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 tracheostomy 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 @ V_T 20ml = 32.5mg H₂O/L air @ V_T 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 Housing: Clear
Tidal Volume Range: 5ml - 50ml

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 CO₂ on the device protects CO₂ lines from contamination.

Order Information:

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

Specifications:

Humidity Returned mg H₂O/L: 30.2mg @ 10L V_E

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%+



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 CO₂ on the device protects CO₂ 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 V_E

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%+

ANESTHESIA FILTERS

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 CO₂ on the device will protect CO₂ lines from contamination.

Order Information:

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

Specifications:

Resistance: @ 30 LPM - 0.8cm

Dead Space: 30ml

Weight: 13 grams

Housing: Clear

Tidal Volume Range: 100ml - 1200ml

Bacterial/Viral Efficiency: 99.9%+ TB Efficiency 99.9%+

circuitGuard® Filter Only – Angle (FilterFlo™ Filter)

Device replaces need for elbow.

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.

Monitoring CO₂ on the device will protect CO₂ lines from contamination.

Order Information:

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

Specifications:

Resistance: @ 30 LPM - 0.8cm

Dead Space: 30ml

Weight: 13 grams

Housing: Clear

Tidal Volume Range: 100ml - 1200ml

Bacterial/Viral Efficiency: 99.9%+ TB Efficiency 99.9%+

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.*



New color coded sizes available soon.

Face Masks With Inflation Valve		
5001	50 case	Cushion Mask size 1
5002	50 case	Cushion Mask size 2
5003	50 case	Cushion Mask size 3
5004	50 case	Cushion Mask size 4
5005	50 case	Cushion Mask size 5
5004+	50 case	T-Rest Mask size 4
5005+	50 case	T-Rest Mask size 5
Add Mask	50 Case	i.e. 7056M5+ (6126, 6130)

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 re-breathing bag.



Expandable Circuits		
X40LF3	30 case	40" flex, 3L latex free
X72LF3	30 case	72" flex, 3L latex free
X96LF3	30 case	96"flex, 3L latex free
Corrugated Circuits		
D40LF3	30 case	40" hose, 3L latex free
D60LF3	30 case	60" hose, 3L latex free
D72LF3	30 case	72" hose, 3L latex free



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