



*Manufacturing in the USA since 1958*

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**The Hallmark of  
Quality, Service and Innovation  
In Anesthesia and Respiratory Care Products**

# Introduction to AincA

## About Our Company:

Anesthesia Associates, Inc.(AincA), is your source of durable and reusable anesthesia and respiratory care products. We have served the medical community since 1958.

Our production teams combine proven, earth friendly technology with design creativity to provide medical device solutions that benefit anesthesiologists, hospitals, and manufacturers around the world. Our products solve problems such as the management of difficult airways and provide solutions for complex conditions and cases. For over 63 years, Anesthesia Associates, Inc. (AincA) has manufactured and distributed an incredible array of hardware, adapters, fittings, valves, tubes, masks, breathing bags, laryngoscopes, jet ventilators, respirometers, nerve stimulators, MRI compatible equipment, and CO<sub>2</sub> absorbers. We “wrote the book” on these kinds of hardware, and strive to continually expand our product lines each year.

We excel in standard “off the shelf” solutions that can be shipped the same day you place your order, and specialize in making custom configurations to meet your every need. Look for the *Customizable* label on a variety of products. Materials such as chrome plated brass, stainless steel, Teflon, Delrin, nylon, acrylic, neoprene, EPDM, and Silicone are combined in rugged assemblies that can be sterilized in one or more ways to be safely reused again and again. The ability to reuse products repeatedly reduces the volume of disposable products sent to our landfills and also reduces material consumption. The Anesthesia Associates, Inc. (AincA) line of products has been “green” (reusable) for over half a century.

Please visit and bookmark our user-friendly website: [www.AincA.com](http://www.AincA.com) to learn about product details, view images, search for parts, and download literature.

Please feel free to contact us directly for any product questions or requests for custom solutions. If we can't provide you with the right answer or device, we will work hard to try to find it for you. We want to earn your respect and become your go-to supplier for all of your anesthesia related needs.

We also provide complete repair/calibration services for respirometers, laryngoscopes, valves and all of the parts that we manufacture. For more information on repair and calibration services please see Page 57.

## About Our President:

Lock Williams has been with Anesthesia Associates, Inc. since 1998, initially holding the position of Vice President of Operations and Senior Engineer. In 2008 he became President/CEO. Though he is busy managing the operation of the company, Lock still enjoys solving engineering and design challenges for the medical community. He holds a degree in Applied Mechanics from University of California, San Diego and is a Registered Professional Engineer. Lock leads the AincA team in providing quality products and complete customer service.

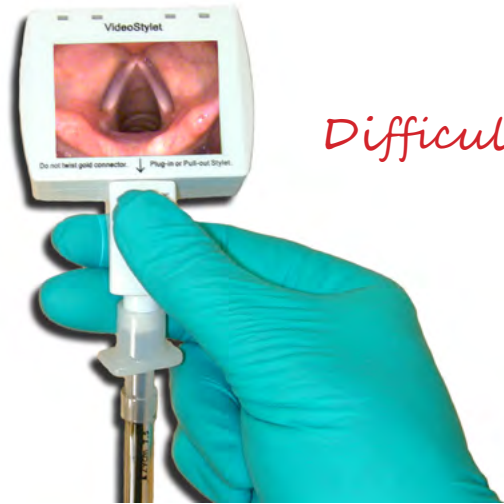


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# Signature Products



*Difficult Visualization Made Easy*

**AincA VideoStyler**  
#00-675-X Page 18-19



**Monitoring and pressure limiting in a MRI environment.**

**Manometer, MRI w / APL Valve**  
#00-274-MRI Page 26



**Cuff Pressure Monitor / Controller**  
#00-197 Page 13

**Complete and accurate monitoring and control system for ET & LMA cuff pressure.**

# Signature Products



**MRI Jet Ventilator**  
#00-325-MRI Page 9



**Electronic Digital Respirometer**  
#00-295 Page 14



**NEW!**  
**Compact Nerve Stimulator**  
#00-100-PLUS Page 10



**CO<sub>2</sub> Absorber**  
#00-720 Page 6



**Scavenging Valve**  
#00-113 Page 7



**Scavenging Manifold**  
#00-117 Page 7



**Bag / Vent Switch Valve**  
#00-116 Page 41



**GeoFlex Tube Support**  
#00-392 Page 45



**Single Limb Circuit Control Arm**  
#00-115 Page 41



As a manufacturer, Anesthesia Associates, Inc. (AincA) is proud that we make the vast majority of our products in the USA. It has been important to us, from the beginning, to produce products that are not only durable but reliable. We have found that keeping manufacturing at our plant in the USA gives us better control over quality.



#00-720



#00-720-A

#00-720-72



#P-530



#00-332

# CO<sub>2</sub> Absorbers

These durable chrome plated brass Carbon Dioxide Absorber Systems are fully featured, convertible and allow for the use of either pre-pack or loose-fill CO<sub>2</sub> absorbent material. The mechanically simplified absorber chamber uses a cam system built into the cover to lock or release the refillable chambers with an easy 90 degree rotation. A 5/16" fresh gas inlet barb, 7/8" bag hanging nipple and 19mm Male scavenging valve (00-113) outlet are provided. 22mm Male connections on the "see through" Inspiratory/ Expiratory Valves connect to the breathing circuit limbs. A -40 to +80cm H<sub>2</sub>O manometer (#00-199) provides pressure monitoring, a 1/2" x 3" rod mounts the unit, and moisture is removed using the manual drain valve. Systems are re-configurable and will accept a selector valve (#00-116) to switch from bag to ventilator use.

**Pediatric CO<sub>2</sub> Absorber** *Customizable* #00-720

This single canister system has a chamber volume of 1200cc and is suitable for a wide variety of uses, including all pediatric cases, animal systems, and shorter cases for large patients.

**Adult CO<sub>2</sub> Absorber** *Customizable* #00-720-A

The twin (stacked) canister system has a total chamber volume of 2400cc in two 1200cc chambers. Chambers seal to each other with a reusable elastomer seal. The larger absorbent volume handles longer cases for larger patients.

**Universal Mounting Kit** #00-720-72

Sturdy anodized aluminum bar and stainless steel hardware (3x Nut/ Bolt/ Washer) allow mounting of absorbers to a variety of vertical surfaces.

**CO<sub>2</sub> Absorber Seal Repair Kit** #P-530

This seal kit provides a complete set of all elastomeric seals needed to rebuild a #00-720 CO<sub>2</sub> Absorber. Includes large canister sealing O-rings, cover O-rings, and seals for all removable components, as well as a replacement canister spring and washer.

# Vaporizer

**In Circuit Vaporizer** #00-332

A simple device which has proven helpful in clinical practice for the introduction of volatile liquid anesthetics into low flow or closed carbon dioxide absorption circuits. Provides a controllable injection port on the expiratory limb of the absorber. A 22mm Male by 22mm Female chrome plated brass adapter with a Luer Lock fitting (with cap and cap retainer) connects to a 30ga needle. Accepts a 5ml glass syringe (not supplied).

# Scavenging System

**#00-117** *Customizable* **Vacuum Manifold**

This safety manifold system can easily be used as the core of a reliable anesthesia scavenging system. The chrome plated brass assembly features dual positive and negative relief valves, a reservoir bag mount (7/8" connection), an adjustable vacuum control valve (5/16" barb) and aggressive self-adhesive mushroom head mounting strips. The 19mm Male scavenger inlet port is positioned on the top. An external vacuum source is required, as well as a reservoir bag (see Page 41) sized to the user's needs.



#00-117

# Scavenging Valves

**#00-113** **Scavenging Valve**

Throttling type scavenger valve with an integral back-flow ball check-valve. Consists of a 3/4"-20 threaded male inlet with sealing lock-ring, and a 19mm Male gas evacuation outlet port. When fully closed, the valve provides a leak-tight seal. Constructed of durable chrome plated brass.



#00-113

**#00-113-MRI** **MRI Scavenging Valve**

The MRI version of the standard 00-113, MR Conditional to 3.0 Tesla. All assembly components are specially designed for MRI use.



#00-113-MRI

**#00-113-LONG** **Scavenging Valve**

The long version of the standard 00-113. This extra tall body length (measuring 4 1/2" total clearance) is useful for equipment configurations requiring extra clearance for access to the control knob.



#00-113-LONG

**#00-118** **Scavenging Pop-off Valve (True APL)**

This relief valve is adjustable from 0 to 60cm H<sub>2</sub>O back-pressure (@ 10 lpm nominal flow) and has an integral back-flow check-valve. Being a true Adjustable Pressure Limiting (APL) Scavenging Pop-Off Valve allows the pre-setting of the system back-pressure, with any excess pressure being allowed to pass through the valve. Consists of a 3/4"- 20 inlet with sealing lock-ring, and a 19mm Male gas evacuation outlet port. When tuned fully CW, provides 60 cm H<sub>2</sub>O max system pressure, but does not provide a leak-tight seal. Constructed of durable chrome plated brass.



#00-118

**#P-505** **Replacement Lock-Nut Kit**

Replacement chrome plated brass lock-nut and sealing O-ring. For use on either #00-113 or #00-118 Scavenging Valves.

\*Also see page 44 Bag Tail Scavenging Valves.

# Jet Ventilation, Manual



#00-325



#P-232-HP



#P-232



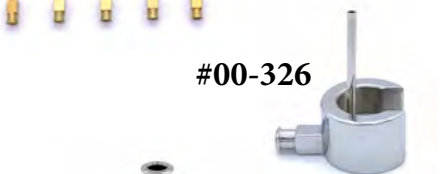
#00-329-40

#00-329-30

#00-329-A

#00-329-C

#00-329-I



#00-326



#00-331

#P-219

## Jet Ventilator *Customizable* #00-325

A rugged and reusable manual jet ventilator system for rigid-wall bronchoscopy, laryngeal micro-surgery, and emergency use. Consisting of 5' high pressure Inlet tubing with O<sub>2</sub> DISS nut fitting, flow control valve, thumb control valve, back-pressure gauge, and 2' clear plastic outlet tubing with Luer Lock fitting for attachment of adapters and tubes (below). Hoses and inlet fitting are customizable to user needs. (See next page)

## Pressure Regulator #P-232

Adjustable pressure regulator with O<sub>2</sub> DISS thread fittings, 0-60 psi gauge, and mounting bracket. Adjustable, 0-60 psi output. Approximately 100 lpm flow at 35 psi. Connects to inlet hose of #00-325. May require #P-232-HP to connect to wall/machine sources. (Not for MRI use.)

## Regulator Hose *Customizable* #P-232-HP

Hose assembly to connect #P-232 Regulator, to wall/machine source. 5' long, O<sub>2</sub> DISS nut by O<sub>2</sub> DISS nut.

## Malleable Stylettes *MRI*

A malleable copper tube with Luer Lock connection at the proximal end (for attachment to the jet ventilator) and a safety rounded distal end. The soft malleable tube can be custom shaped and even used in laser surgery. MR Conditional 3.0 tesla.

- |                              |            |
|------------------------------|------------|
| 10cm Infant (3/32" Diameter) | #00-329-I  |
| 15cm Child (1/8" Diameter)   | #00-329-C  |
| 20cm Adult (1/8" Diameter)   | #00-329-A  |
| 30cm Adult (1/8" Diameter)   | #00-329-30 |
| 40cm Adult (1/8" Diameter)   | #00-329-40 |

## Bronchoscope Adapter #00-326

Designed for attachment to the proximal end of most conventional rigid wall bronchoscopes for the purpose of intermittently inflating the patient's lungs via Jet Ventilation during bronchoscopy under intravenous anesthesia. (Not for MRI use.)

## Tracheostomy Adapter #00-331

15mm Female x Female Luer Lock allows connection of the Jet Vent to tracheostomy fitting or any other 15mm device. (Not for MRI use.)

## Jet Ventilator Replacement Parts:

### Outlet Hose *Customizable* #00-325-LP

Jet Ventilator replacement clear plastic outlet hose for #00-325. 1/8" NPT-Male by Male Luer Lock, 2' long

### Inlet Hose *Customizable* #00-325-HP

Jet Ventilator replacement inlet hose for #00-325. O<sub>2</sub> DISS nut fitting by 1/8" NPT Female, 5' long.

### Pressure Gauge #P-219

Replacement back-pressure gauge for #00-325 Jet Vent. 0-60 psi, 1/8" NPT Male, bottom fitting

# MRI Jet Ventilation, Manual

## #00-325-MRI *Customizable* MRI Jet Ventilator

This new "standard of care" for MRI Suite airway emergencies is fully tested MR Conditional to 3.0 Tesla. No need to move a non-breathing patient from the MRI suit before starting emergency oxygenation. This special MRI assembly includes O<sub>2</sub> DISS nut Input fitting, 5' of inlet hose, flow control valve, thumb control valve, back-pressure gauge and 2' clear plastic outlet tubing with Luer-Lock fitting; attaching to provided 20cm (#00-329-A) malleable copper stylette assembly. All assembly components are specially designed for MRI use. Completely customizable regarding both input fittings and hose lengths (see below).



#00-325-MRI



#P-219-MRI

## MRI Jet Ventilator Replacement Parts

### #00-325-MRI-LP *Customizable* Outlet Hose

Jet Ventilator replacement clear plastic delivery hose for #00-325-MRI. 1/8" NPT Male by Male Luer Lock, 2' long.

### #00-325-MRI-HP *Customizable* Inlet Hose

Jet Ventilator replacement high pressure hose for #00-325-MRI. O<sub>2</sub> DISS nut fitting by 1/8" NPT Female, 5' long.

### #P-219-MRI Pressure Gauge

Replacement pressure gauge for #00-325-MRI Jet Vent. 0-60 psi, 1/8" NPT Male bottom fitting.

### #P-219-MRI-1 Gauge Crystal

Replacement acrylic gauge crystal, fits #P-219-MRI on #00-325-MRI Jet Vent.

## *Customizable* Standard & MRI Jet Ventilator Customization

Custom hose assembly configurations for both the standard and the MRI Jet Vent are available, and include: custom lengths of outlet or inlet hoses, replacement of the inlet hose DISS nut fitting with a special quick disconnect or hand tight DISS fitting (see below), addition of a #P-232 regulator to inlet hose of Jet Vent (Not for MRI), custom length and inlet fitting for the regulator inlet hose (wall to regulator) (Not for MRI). Contact AincA Customer Service for assistance in developing the correct special assembly part numbers.

- Specify length of inlet or outlet hose.
- Specify alternate inlet fittings listed below.
  - #P-241 Quick Disconnect, Ohmeda Style.
  - #P-242 Quick Disconnect, Chemtron Style.
  - #P-243 Quick Disconnect, Puritan-Bennett Style.
  - #P-244 Quick Disconnect, Oxequip Style.
  - #P-248 Quick Disconnect, Oxequip "Medstar" style.
  - #P-245 Quick Disconnect, Schrader Hex Style.
  - #P-246 Quick Disconnect, Schrader Round Style.
  - #P-247 Hand Tightened DISS Knob.



#P-241  
Ohmeda

#P-242  
Chemtron

#P-243  
Puritan-Bennet

#P-244  
Oxequip

#P-245  
Schrader Hex

#P-246  
Schrader Round

#P-247  
Hand Tightened

# Peripheral Nerve Stimulator



#00-100-PLUS



## Compact Nerve Stimulator

#00-100-PLUS

Newly repackaged and upgraded!  
A lightweight, battery powered, hand held, and adjustable stimulator specifically designed for a wide range of clinical uses with both ball electrodes and various extension lead sets. Functions include Twitch (1/8 sec), Train-of-Four automatically repeating, and both 50Hz and 100Hz Tetanus. Functions are selected from the front membrane panel switches, under easy user control. LED indicators show ON/low battery status, pulse generation, and the function selection. Complete with battery and ball electrodes. Proudly made in the USA!



#00-100-PLUS-KIT

## Compact Nerve Stimulator Kit

#00-100-PLUS-KIT

The 00-100-PLUS is also available in a kit! This kit includes our newly repacked and upgraded peripheral nerve stimulator (00-100-PLUS), a zippered case (00-109), and an alligator lead set (00-107-P).

**ALL following accessories are cross compatible with both the original 00-100 and our new 00-100-PLUS**



#00-106

## Ball Electrodes (set), Replacement

#00-106

## Case, Compact Nerve Stimulator, Zippered

#00-109

## Patient Lead Set, Alligator Clip

#00-107-P

54" long lead set. Protected Male (shrouded) 4mm Banana plugs by insulated "alligator clips" at the patient end.



#00-107-P

## Patient Lead Set, Snap Buttons

#00-108-P

54" long lead set. Protected Male (shrouded) 4mm Banana plugs by "snaps" at the patient end to connect to electrode pads.



#00-108-P

## Extension Lead Set, M x F

#00-110-P

54" long lead set extension. Protected Male (shrouded) 4mm Banana plugs by protected Female 4mm Banana jack.



#00-110-P

# Pocket Spirometer

For measuring lung capacity (volume). Used for asthmatic and bronchial conditions, emphysema, respiratory paralysis, poliomyelitis diagnosis, differential control and survey of recovery in various conditions.



#00-288

#00-288

## Pocket Spirometer

Pocket Spirometer reads to 7 liters, Packaged with 50 disposable mouthpieces. Can handle PEF measurements.

#00-289

## Replacement Mouthpieces

3/8" I.D. x 1.5" long. Package of 50, fits #00-288.

# Peak Flow Meters

To measure the maximum flow rate of air during forced expiration.

#00-173

## Standard Mini-WRIGHT

An inexpensive Peak-flow Meter designed primarily for domicile use. Provides an inexpensive form of self-monitoring by patients to give information about their response to treatment. A tubular sealed structure with a spring loaded piston and a longitudinal radius slot. Range: 60 to 800 liters/minute.



#00-174

#00-174

## Low Range Mini-WRIGHT

A low range version of the above Mini-WRIGHT developed specifically to accommodate those patients who are severely affected respiratory sufferers or pediatric patients who may be encouraged if they are able to move the pointer an appreciable distance up the scale. An adapter which will accommodate a small mouthpiece for use by children is also included. Range: 30 to 370 liters/minute.



#00-174-2

#00-174-2

## Windmill Trainer for Low Range Mini-WRIGHT

Clips onto Mini-WRIGHT (#00-174) to train young patients how to blow correctly through the unit. Can be repositioned for increased difficulty.



#00-281

#00-281

## Replacement Mouthpieces-Adult

Disposable plastic mouthpieces for use with Standard Mini-WRIGHT, peak flow gauge, and WRIGHT peak flow meter. 1.2" O.D. x 1.1" I.D. x 3.4" long.



#00-281-P

#00-281-P

## Replacement Mouthpieces-Pediatric

Disposable plastic mouthpieces for use with the low range Mini-WRIGHT .9" O.D. x .75" I.D. x 2.5" long.





# Wright Professional Peak Flow Meters Now Available!

#00-279

It has been several years since new Wright Professional Peak Flow Meters have been available in the USA. **To meet demand, Anesthesia Associates, Inc. is now offering fully refurbished Wright Professional Peak Flow Meters at a discounted price.**

Just like any repair or calibration our factory trained technicians perform, these refurbished units have been completely disassembled, cleaned, repaired, and calibrated to manufacturer's specifications on manufacturer's calibration equipment. Though the cosmetic appearance on these refurbished units range from "like new" to "gently used", they operate as they did when they originally left the factory.

**All refurbished Wright Professional Peak Flow Meters include a 1 year warranty on parts and labor : Just like factory originals!**

All refurbished Wright Professional Peak Flow Meters come in a foam lined, hard plastic carrying case complete with instruction manual and a package of 10 disposable plastic mouth pieces.



Anesthesia Associates, Inc. (AinCA) has a proven track record for superior repair and calibration services. As a factory authorized repair center for Wright Respirometers and Wright Peak Flow Meters, our technicians have been trained by the manufacturer in Great Britain. Every unit that comes in for repair or calibration is completely disassembled, cleaned, repaired, and then recalibrated. Units are returned like new, calibrated to the manufacturer's specifications.

### Accessories Available:

- 00-281 Disposable Mouth Pieces, Available in Packages of 25, 144, or 500 (Pictured Above)
- 00-279-CASE Replacement Hard Plastic Case with Foam (Pictured Above)
- 00-279-CASE-V Original Vintage Case, Limited Quantity



# Cuff Pressure Monitor / Controller

#00-197

**Complete and accurate monitoring & control system for ET & LMA cuff pressure.**

- Connect to cuff pilot line directly, or remotely using supplied extension line.
- Attached inflation bulb.
- Large easy read dial face.
- Green coded suggested pressure ranges.
- Finger trigger pressure release.
- Convenient evacuation nipple.
- Table hanging system included.
- Also usable for leak detection!
- Replacement extension lines available, 10-Pack P/N 00-197-TUBING



<b>Specifications:</b>	
Scale:	0-120 cmH <sub>2</sub> O 0-90 mmHg
Accuracy:	+/- 2 cmH <sub>2</sub> O
Connections:	-Luer Male: -Top: Pressure -Bottom: Vacuum
Pressure Addition:	Inflation bulb
Pressure Release:	Finger Trigger
Extension Line:	39" long tube, Luer Male x Luer Female



# Respirometers, Digital

Respirometers are reliable respiratory volume measurement instruments. Used where small size and light weight, together with low air resistance and low inertia are important considerations. The instruments may be used to measure tidal volumes, or (with the use of a stopwatch) minute volumes and flow rates. They are particularly suitable for respiratory measurements in anesthesia, in oxygen therapy, weaning from mechanical ventilators, and as a research tool of general application in respiratory physiology.

## Electronic Digital Respirometer <sup>Made in the USA</sup> #00-295

With the large LCD readout display on the Model 295 Digital Respirometer the confusion of reading a mechanical respirometer dial is eliminated. The flow sensing unit has only one moving part, and is detachable from the control unit for ease of sterilization and cleaning. It may be washed, gas sterilized or cold sterilized. Comes complete as shown, ready to use with included 9V battery and one (1) circuit Adapter (22mm FxF).

- Range: 0 - 200 liters.
- Measurement Type: Air/Gas volume flow.
- Resolutions: .02 liter.
- Flow Rate: 5 lpm minimum/150 lpm maximum.
- Accuracy: ±2% at calibration point.
- Resistance to flow: 2cm of water at 100 lpm.
- Inlet & Outlet sizes: 22mm Male

### Optional Accessories:

Control Unit, Replacement #00-294

Flow Sensing Unit, Replacement #00-299

6' Retractable Cable (extended length) #00-296

Pole Clamp For Control Unit (1" Max Dia) #00-193

Carrying Case , Padded Plastic, Snap Closure #00-298

Replacement "Double Plug" #00-303

Mounted on rear of controller, connects to sensing unit.

Replacement Battery - standard 9V #P-205

Please see Page 14 for additional Adapters and Accessories.

### Digital Respirometer Servicing & Calibration:

All digital Respirometers are shipped fully calibrated, completely interchangeable, and ready to use. For repair services or re-calibration, please return units to Anesthesia Associates, Inc. (Ainca). Contact us for pricing and conditions of servicing.



#00-295 Assembly



#00-294



#00-299



#00-296



#00-193



#00-298



#00-303

# Respirometers, Mechanical

## New Units Discontinued

## Servicing and Accessories Still Available

NOTE: ANALOG Wright Respirometers are Permanently Discontinued. Please see 00-295 digital respirometer for equivalent replacement. All accessories, parts, and repair services still available.

Analog Wright respirometers feature convenient push button style ON/OFF and RESET controls. Units are designed with case seals and material selections to withstand sterilization by ETO only. Inlet and outlet on all respirometers are 22mm Male fittings. The safe maximum flow for all Wright respirometers should not exceed 100 liters per minute.

### Wright Respirometer & Peak Flow Meter Repair Services

Inexpensive, prompt, reliable respirometer and peak flow meter repair by factory trained technicians is available. Each unit is tested and calibrated throughout its full range of performance on special test and calibration equipment to the manufacturer's specifications on manufacturer furnished equipment. For respirometer types meeting the repair program guidelines, a fixed "program repair rate" assures predictable and economical repair costs. Please see Page 59 for full program details.

#### #00-290 Discontinued - Haloscale Standard

Incorporates concentric dials, an enlarged face, and higher contrast for improved readability. Range to 100 liters. Short hand: 1 liter per revolution. Long hand: 100 liters per revolution.

#### #00-301 Discontinued - Mark 14

Incorporates separate dials and a traditional face diameter. Range to 10 liters. Large dial: 1 liter per revolution. Small dial: 10 liters per revolution.

#### #00-302 Discontinued - Mark 8

Incorporates separate dials and a traditional face diameter. Range to 100 liters. Small dial: 1 liter per revolution. Large dial: 100 liters per revolution.

### Replacement Parts and Accessories

#00-305 Respirometer Safety Harness

#00-306 Zippered Case with Foam Inserts

#00-306-C Zippered Case, Only

#00-306-F Foam Inserts, Only



#00-305



#00-306



See page 16 for more accessories.



# Respirometer Accessories

**Note:** Current model Respirometers have 22mm Male inlets and outlets. Some older models may have 23mm Male inlets and outlets.

## Adapters:

- |  |                |
|--|----------------|
| <b>Adapter (Stainless Steel)</b>                             | <b>#00-293</b> |
| 22mm Female x catheter                                       |                |
| <b>Adapter (Aluminum)</b>                                    | <b>#00-300</b> |
| 23mm Female x 22mm Female                                    |                |
| <b>Adapter (Aluminum)</b>                                    | <b>#00-307</b> |
| 23mm Female x catheter                                       |                |
| <b>Adapter (Aluminum)</b>                                    | <b>#00-304</b> |
| 22mm Female x 22mm Female                                    |                |
| <b>Connector (Silicone)</b>                                  | <b>#LF-307</b> |
| 22mm Female x 22mm Female, Latex Free, flexible, disposable. |                |
| <b>Adapter (Aluminum)</b>                                    | <b>#00-308</b> |
| 22mm Female x 15mm Female                                    |                |
| <b>Connector (Silicone)</b>                                  | <b>#LF-308</b> |
| 22mm Female x 15mm Female, Latex Free, flexible, disposable. |                |
| <b>Adapter (Chrome Plated Brass)</b>                         | <b>#00-409</b> |
| 23mm Male x 23mm Male  |                |
| <b>Adapter (Aluminum)</b>                                    | <b>#00-410</b> |
| 23mm Female x 15mm Female                                    |                |
| <b>Adapter (Aluminum)</b>                                    | <b>#00-481</b> |
| 22mm Female x 5/8" corrugated tubing                         |                |

## Respirometer Guard

A product designed to reduce physical damage due to dropping and abuse. Comes in 4 models to fit most respirometers. Made out of an attractive, durable, neoprene or latex rubber that can be sterilized in the same manner as your respirometer. Shipped as a kit and easily installed.

- |  |                |
|--|----------------|
| <b>Kit to fit Mark 8, Mark 14, Mark 25, Haloscale Compact and Physiological, <u>Now Latex Free.</u> (Neoprene)</b> | <b>#00-145</b> |
| <b>Kit to fit Fraser-Harlake RM 121 and 311, <u>Latex</u></b>  | <b>#00-146</b> |
| <b>Kit to fit Mark 20 and Haloscale Standard, <u>Now Latex Free.</u> (Neoprene)</b>                                | <b>#00-147</b> |
| <b>Kit to fit Boeringer, <u>Latex</u></b>  | <b>#00-149</b> |

## O Rings, Replacement, For Guard Kits

- |   |               |
|---|---------------|
| For #00-145 (2), #00-146 (1), #00-147 (1) | <b>#P-021</b> |
| For #00-146 (1)                           | <b>#P-026</b> |
| For #00-147 (1)                           | <b>#P-028</b> |

# Laryngeal Sprays

## **#LF-190 Macintosh Type Laryngeal Sprayer (Latex Free)**

Macintosh type Laryngeal Spray has been designed for application of topical anesthesia with a flexible tip to anesthetize the oral cavity and larynx. 2cc reservoir. Latex free.

## **#LF-191 Forrester Type Sprayer (Latex Free)**

Forrester type Laryngeal Spray has been designed for application of topical anesthesia with a rigid curved spray nozzle. In normal use the bottle is below the level of the nozzle, minimizing the risk of syphoning. 2cc reservoir. Latex free.

## **#LF-192 Swerdlow Type Sprayer (Latex Free)**

Designed for single handed application of topical anesthesia, with a rigid nozzle long enough to be introduced between the vocal cords. Spray pattern readily adjustable without tools. Comes complete with Nozzle Reamer (#00-192-11) and Flushing Adapter (#00-192-12) (Luer connection). 2cc reservoir. Latex free.

**Important:** For ALL sprayers - the sprayer internals must be rinsed with warm water immediately after each use. Failure to do so results in the deposition of crystals in the nozzle which will impair the working of the spray. Before use on the patient, the spray should be tested for correct functioning and an unblocked nozzle.

## **#00-190-2 Replacement Reservoir (Latex Free)**

2cc volume, polished acrylic, for use with #LF-190, #LF-191, and #LF-192.

## **#00-192-11 Replacement Nozzle Reamer**

Specifically sized to allow mechanical cleaning of sprayer nozzle passages when blocked.

## **#00-192-12 Replacement Swerdlow Flushing Adapter**

Connects to any syringe Luer fitting to back-flush the sprayer after use. For use on LF-192 only.



**Introducing:**

# AINCA® VideoStylet

*Difficult Visualization Made Easy*

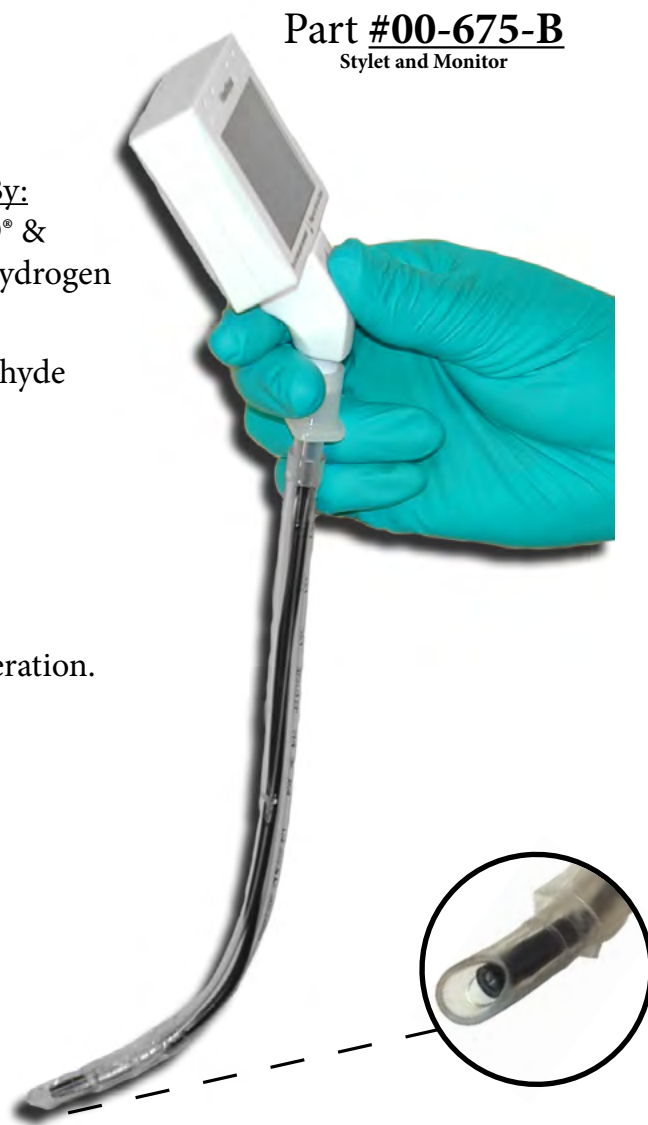


**Sterilizable By:**

- STERRAD® & STERIS® hydrogen peroxide
- Glutaraldehyde solution

- Easy viewing 2.4" full color video with plug and go operation.
- Great for difficult and regular intubation cases.
- Suitable for use with or without a laryngoscope.
- REUSABLE Malleable Stylet (sterilizable).
- Rechargeable with (4) LED Status Indicators.
- Accepts ETT's of 6mm and larger.

**Change your intubation perspective... view through the tip of the ET Tube.**



Component and Kit Information		
Complete Kit of monitor, charger, and stylet PN: 00-675-B	Replacement VideoStylet Length = 33.5cm / 13.2" PN: 00-675-B-1	Replacement Monitor and Charger PN: 00-675-LCD



**Our newly repackaged and upgraded Peripheral Nerve Stimulator is now available! It features:**

- Fully adjustable output voltage
- Automatic feature repeat
- User friendly controls with indicator LEDs
- ALL functions are selectable from the front touch panel
- Sealed front membrane panel
- Use with ball electrodes or lead sets as required
- 9v battery with easy battery access
- Hand held, ergonomic design with non slip rubber sides
- Light weight yet rugged construction
- Proudly made in the USA!



**Functions Include:**

- Twitch of 1 per 8 seconds, repeating
- Train of Four (TOF), repeating
- 50Hz Tetanus
- 100HZ Tetanus
- ON and low battery LED indicator
- Pulse generated LED indicator
- Selected function LED indicators
- Adjustable output voltage control knob

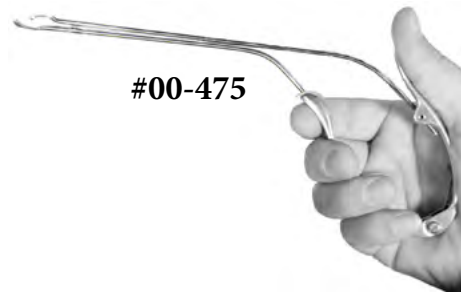
**Ordering Part Numbers**

00-100-PLUS	AinCA Peripheral Nerve Stimulator PLUS with ball electrodes and 9v battery.
00-100-PLUS-KIT	The AinCA Peripheral Nerve Stimulator PLUS with ball electrodes, 9v battery, alligator clip lead set, and a soft sided case.

**Accessories (ALL cross compatible with the 00-100)**

00-106	Ball Electrode set
00-107-P	54" lead set with alligator clips
00-108-P	54" lead set with female snaps
00-109	Neoprene soft-sided zip case
00-110-P	54" extension lead set

# Intubation Aids for Difficult Airways



#00-475

## Aillon Tube Bender

#00-475

Problems associated with nasotracheal intubation are often observed when the endotracheal tube is about to cross the vocal cords but stops making progress. The tube tends to follow a course which is forward and upward while the trachea's main direction is downward. The Aillon Forceps Tube Bender not only controls the tip of the tube, but also bends it down in order to conform with the direction of the trachea. 1/2" to 5/8" opening of jaws, stainless steel and aluminum.



#00-485

## Williams Airway Intubator (Latex Free)

Injection molded plastic, single use device. The Williams Airway Intubator is cylindrical on the proximal half and open on the distal half of the lingual surface. This Airway Intubator is indicated for use as: (1) an oropharyngeal airway, (2) a means of intubating the trachea, and (3) a guide for fiber optic laryngoscope placement. Package of 10. Made from LDPE plastic.



#00-486

### Sized for Adult Females (9cm), Yellow

#00-485

Recommended for use with up to 7.5mm I.D. endotracheal tube.

### Sized for Adult Males (10cm), Pink

#00-486

Recommended for use with up to 8.5mm I.D. endotracheal tube.



#E-126

## Gardent Tooth Protector

#E-126

Disposable soft injection molded Santoprene white plastic. Adult size. Protects the teeth from impact and prying forces.



#E-127

## Abelson Jaw Spreader Kit

#E-127

Intended for spreading the jaws in trismus associated with convulsive seizures or other Locked Jaw conditions. Kit includes Jaw Spreader made of high impact Styrene and a medium adult airway. Packaged in plastic box for convenient storage.



#00-143

## Patil Intubation Guide, Audible

#00-143

A lightweight aluminum device consisting of Silicone diaphragm whistles and a 15mm Female port for attachment to tracheal tube connector. Magnifies breath sounds during blind nasotracheal and orotracheal intubation.

## Patil Intubation Gauge (chrome plated brass)

#00-144

Key chain attachable!  
This instrument is used to measure the distance between the thyroid notch and the lower border of the mandible in the midline with the patient positioned in full neck extension. Difficulty in visualization of the larynx can be anticipated when the distance between the thyroid notch and the mandible is less than the length of the gauge (6.5cm).



#00-144

# Intubation Aids for Difficult Airways

## Fiber Optic Lighted Stylette

The Fiber Optic Malleable Lighted Stylette provides illumination during intubation and also incorporates the features of a malleable stylette. With the benefits of Fiber Optics, the "Extra Bright" bulb is securely encased in the handle (#00-471). The lighted malleable stylette assists in the visualization required for the proper placement of the tracheal tube during intubation and effectively illuminates (trans-tracheal) the soft tissue of the neck. The included stylette stop (#00-479) provides reliable positioning of the E.T. Tube during use. Uses: 2 "AA" Batteries (#P-154-AA).

#00-469 5mm minimum size of ETT. (Adult, 36cm)

#00-470 3mm minimum size of ETT. (Pediatric, 25cm)



#00-469

#00-470

## Stylette Replacements and Accessories

#00-469-1 Replacement Stylette (Adult, 36cm)

#00-470-1 Replacement Stylette (Pediatric, 25cm)

#00-471 Spare Handle assembly only  
(Uses 2 "AA" batteries #P-154-AA)

#00-355-XB Light Bulb, Replacement, Extra Bright



#00-355-XB

#00-478

## Related Products

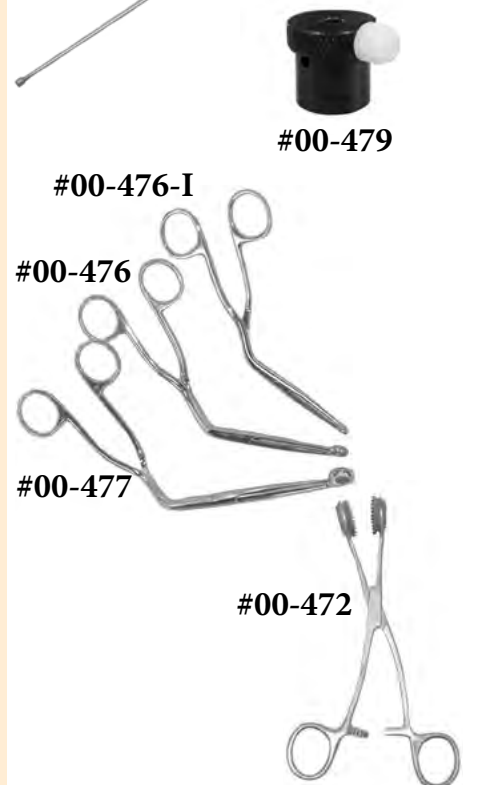
#00-478 Suction Stylette  
For intubation and suction. Soft malleable copper. 38cm (15") length.

#00-479 Stylette Stop  
Adjustable clamping stop of black delrin for use with the copper stylettes #00-478, #00-469 and #00-470. Has 15mm Female end to hold ETT.

#00-476-I Magill Forceps  
These forceps are made of highly-polished stainless steel in three sizes. Closed tip (closes completely) and open eye design easily positions ETT's during blind nasal intubation.

#00-476-I Infant- 7"  
#00-476 Child- 8"  
#00-477 Adult- 10"

#00-472 Young Tongue Forceps  
Used for control and positioning of the tongue. 6 1/4 length, stainless steel with removable rubber tongue pads (Latex).



#00-476-I

#00-476

#00-477

#00-472

# Intubation Aids for Difficult Airways



#00-499

#00-340



#00-343  
#GL-343



## Infant Stylette

#00-499

Stainless steel flexible wire with adjustable ETT stop, .035" diameter with 12" usable length.

## Adjustable Laryngoscope Handle, Conventional

#00-340

Similar in size and weight to the Standard, yet readily allows the blade to be firmly locked at four different angles for a variety of special uses:  
45° - "Howland Lock" position, natural lift for bull neck, anterior larynx  
90° - "Standard" position, identical to a Standard handle  
135° - "Polio Blade" position, clears obstructions, extra room  
180° - Parallel to blade, for obese, halo-traction, or cervical fractures  
Requires two "AA" size batteries (#P-154-AA).

## Howland Lock (Laryngoscope)

Natural lifting action simplifies laryngeal exposure, making intubation possible even in the most difficult cases (receding chin, anterior larynx, protruding teeth, bull neck, facial contractors, decreased jaw mobility, etc.). Built-in leverage prevents prying and reduces possibility of broken teeth. Can often make an otherwise certain tracheotomy unnecessary.

**Conventional**  
**GreenLine Fiber Optic**

#00-343  
#GL-343

## Polio Blade (Laryngoscope, English Style)

A modification of the Macintosh blade which is offset from the handle at an obtuse angle to allow intubation of patients in respirators, body jackets, and other difficult arrangements. It is a curved blade type for indirect laryngoscopy.

**Conventional**  
**GreenLine Fiber Optic**

#AP-375-3  
#GL-375-3

## Tracheal Tube Cleaning Brushes

Small 10-1/2" x 1/4" Dia.

#00-458-S

Medium 12-3/4" x 3/8" Dia.

#00-458-M

Large 17" x 1/2" Dia.

#00-458-L



#00-458

# Intubation Aids for Difficult Airways

## Mac Viewing Prisms

The Anesthesia Associates Macintosh Prism is available in three sizes to fit three popular Macintosh Laryngoscope Blades (sizes 2, 3, and 4) working with either Conventional or Fiber Optic styles. Clipped to the vertical wall of the appropriate size Macintosh Blade, this Prism is used when the view of the vocal cords is impaired during nasal intubation, and for post-operative examination of the larynx. It consists of an optically polished Prism (with attachment clip) that provides a refraction of 30° without image inversion.

#00-349-2  
#00-349-3  
#00-349-4  
#00-349-5

**Prism to fit Mac blade size 2**  
**Prism to fit Mac blade size 3**  
**Prism to fit Mac blade size 4**  
**Prism set (1 each size 2,3, & 4)**

## Macintosh "Flex-Tip" EC Blade with Articulating Tip

The versatile Flex-Tip "English Channel" (EC) Macintosh style curved blade is designed for the ultimate in clinician flexibility of use. A lever positioned along the handle (but attached to the blade) controls the flexing motion of the distal tip of the blade. The Flex-Tip blade is ideal for difficult intubations where controlled elevation of the epiglottis is desired with reduced force on the patient. It is extremely useful when encountering displaced larynx, teeth, tongue or mandible as well as with spinal injuries and neck stiffness. Available in three blade sizes 2, 3, & 4. *Please see page 46, GreenLine, or page 55, Conventional, for sizing and detailed part numbers.*

#AP-380-X  
#GL-380-X

**Conventional**  
**GreenLine Fiber Optic**

# Endoscopy Aids

## Patil-Syracuse Oral Airway ( Aluminum )

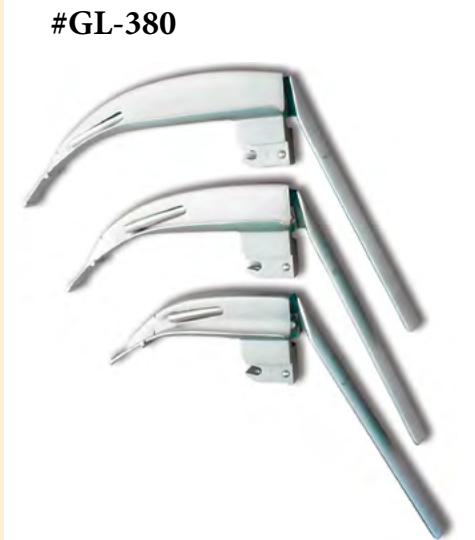
Unbreakable aluminum design provides airway and bite-block for endoscopy. Includes mid-line distal passage area to ease direction of endoscope toward both trachea and esophagus.

#00-492  
#00-494

**Small Size 2**  
**Large Size 4**



#00-349



#GL-380



#00-492

#00-494

# Stethoscopes and Accessories

## Stethoscopes

### Binaural Stethoscope

Extra long "Anesthesia Length" (36") tubing from "Y" to Female Luer connector to allow for movement around patient. Available in Latex free as well as Luer or Luer Lock end fitting.

**Latex-Free, Luer**  
**Latex-Free, Luer Lock**

**#LF-522**  
**#LF-522-L**

### Chest Pieces

#### Wenger

Heavyweight Wenger chest piece of chrome plated brass. May be used on some areas of the body without being taped. Male Luer fitting for attachment.

**Adult** #00-390-A  
**Child** #00-390-C

#### Standard

Lightweight with Male Luer fitting. Chrome plated brass.

**Premature** #00-442-P  
**Infant** #00-442-I

#### Standard, MRI

Lightweight with Male Luer fitting. Delrin/Nylon. MRI compatible.

**Premature** #00-541  
**Child** #00-542

### Monaural Stethoscope

Monaural stethoscope, complete with PVC sound tubing, Female Luer connector and a comfortable single ear piece for constant monitoring of the patient. Special 42" length for anesthesia use. The monaural stethoscope is molded of sufficient durometer to accurately reflect sound, yet soft enough to assure comfort while being worn. Clinical experience indicates that the medium size normally fits the greater proportion of users. (Latex Free)

**Left Small** #00-383      **Right Small** #00-380  
**Left Medium** #00-384      **Right Medium** #00-381  
**Left Large** #00-385      **Right Large** #00-382

#### Martin

#00-441

Lightweight Martin type, accommodates standard plastic 3/16" I.V. tubing. The angle of the inlet keeps the chest piece flat. One size for both premature and infant. Chrome plated brass.

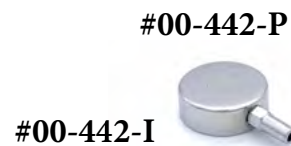


Stethoscope



#00-390-A

#00-390-C



#00-442-P

#00-442-I



#00-541

#00-542



As Sold



#00-441

# Blood Pressure and Accessories

## Accessories

### Connector Set

#00-517 Male and Female Luer x 3/16" Hose Barbs, aluminum

### Connector Set

#00-517-L Male and Female Luer Lock x 3/16" Hose Barbs, Chrome plated brass

### Gauge, Aneroid

#00-519 Aneroid blood pressure gauge. Certified. Meets federal specifications. 300mm Hg maximum reading.

### One Hand Aneroid Manometer

#00-496 Manometer, screw valve, and bulb assembled in one unit. 0-300 mmHg

### Bulb and Valve Assembly (Standard)

#00-518 **Latex**  
#LF-518 **Latex Free**

### Bulb and Valve Assembly (Large)

#00-558 **Latex**  
#LF-558 **Latex Free**

### Valve Only, fits Standard or Large Bulbs

#00-497

### Bulb Only (Standard)

#00-498 **Latex**  
#LF-498 **Latex Free**

### Bulb Only (Large)

#00-557 **Latex**  
#LF-557 **Latex Free**

### Blood Pressure Tubing

#P-178 **Latex, 3/16" Diameter**  
#LF-178 **Latex Free, 3/16" Diameter**  
#P-178-S **Latex, 1/4" Diameter**

### Double-Sided Adhesive Disks

#00-390-DISC Circular disks with center removed. Aggressive adhesive on both faces securely adhere any of the chest pieces (see previous page) to the patient. Available in rolls of 100 qty, or by the 50 roll case.



#00-517

#00-517-L



#00-519



#00-496



Bulb & Valve



#00-497



#00-390-DISC



#00-199

#00-199-MAX



#00-199-BACK

Side View



#00-199-MRI

#00-150



#00-195

#00-196



00-200-S-MRI

#00-200/  
00-200-S



#00-274

Also available  
in MRI.

# Pressure Manometers & Accessories

## Manometer *Customizable*

Superior accuracy over the range of -40 to +80 cm H<sub>2</sub>O in a 2-1/2" diameter chrome plated case with 1/4" NPT Male bottom or back connection. Has front zero correcting screw.

**Bottom Connection** #00-199

**Back Connection** #00-199-BACK

**Top Connection** #00-199-TOP

**Manometer, Max Hold Pointer** #00-199-MAX

#00-199 gauge with resettable low friction pointer to capture max/min pressure reading. Manual reset on dial face.

**Manometer, MRI Conditional 3.0 *MRI*** #00-199-MRI

Constructed of brass and synthetics for MRI environment. Range of -40 to +80cmH<sub>2</sub>O in a 2½" diameter painted brass case with a 1/4" NPT-Male bottom connection. Has front zero correcting screw.

**Gauge Guard (only)** #00-150

To fit any #00-199 style Manometers. Constructed of Alcryn MPR with rear mounted self-adhesive mushroom-head attachment strips.

**Dovetail Manometer Mounting** #00-195

For use with #00-199 or #00-274 Manometers. Two piece assembly mounts to vertical surface and gauge back. Gauge is easily removed from wall by sliding up.

**Swivel Manometer Mounting** #00-196

For use with #00-199 or #00-274 Manometers. Mounts to any flat surface and to the base of the gauge. Provides 4½" swivel arms w / 180° dual pivot. Stainless and Delrin.

**Pole Clamp, Manometer Mounting, Standard** #00-200

For use with #00-199 or #00-274 Manometers. Accommodates up to 1" pole, square or round. Attaches to mounting screws on back of gauge.

**Pole Clamp, Manometer Mounting, Large Pole** #00-200-S

For use with #00-199 or #00-274 manometers. Accommodates up to 1½" pole. Attaches to mounting screws on back of gauge.

**Pole Clamp, Manometer Mounting, Large Pole *MRI*** #00-200-S-MRI

#00-200-S system made MRI conditional 3.0.

**Manometer w / APL Valve** #00-274

#00-199 Manometer with "T" (1/4" tube) and APL valve adjustable from 0-55 cm H<sub>2</sub>O at 9 lpm. A complete pressure monitoring and limiting system in one.

**Manometer, Max Hold w / APL Valve** #00-274-MAX

#00-274 system with resettable pointer to capture maximum pressure reading.

**Manometer w / APL Valve, MRI Conditional 3.0 *MRI*** #00-274-MRI

#00-274 system made MRI conditional 3.0.

# Pressure Manometers & Accessories

**#00-275 Manometer Kit w/ Harness and Adapters**

#00-199 Manometer with 15mm Female Adapter (#00-275-1), Neoprene elbow (#00-452), and Harness (#00-276). Used post-operatively for lung function evaluation. See image next page.

**#00-275-MAX Manometer Kit, Max Hold w/ Harness**

#00-275 system with resettable pointer to capture max/min pressure reading.

**#00-275-1 1/4" NPT-Female x 15mm Female Adapter**

**#00-276 Manometer Harness (Latex Free)**

For use with #00-199, #00-274 and #00-275 gauge assemblies.

**#00-489 Adapter, Tube**

1/4" NPT-Female x 90 degree 1/4" tubing nipple for #00-199's.

**#P-159 Adapter, "T"**

1/4" NPT-Female x 1/2"-20 thread x 1/4" hose nipple.

**#P-158 Replacement Crystal, Standard**

For use with #00-199, #00-274, and #00-275 gauges.

**#00-266-G Pressure Manometer "T"**

#00-199 manometer mounted on a chrome plated brass "T" that is 22mm Female by 22mm Male/15mm Female.

**#00-266-S Adapter "T"**

1/4" NPT-Female by 22mmFemale by 22mmMale/15mmFemale "T", chrome plated brass.

## Pop-Off Valves

**#00-118 Scavenging Pop-off Valve (True APL)**

This relief valve is adjustable from 0 to 60cm H<sub>2</sub>O back-pressure (at 10 lpm nominal flow) and has an integral back-flow check-valve. Being a true Adjustable Pressure Limiting (APL) Scavenging Pop-Off Valve allows the pre-setting of the system back-pressure, with any excess pressure being allowed to pass through the valve. Consists of a 3/4"- 20 inlet with sealing lock-ring, and a 19mm Male gas evacuation outlet port. When turned fully clockwise, provides 60 cm H<sub>2</sub>O max system pressure, but does not provide a leak-tight seal. Constructed of durable chrome plated brass.

**#P-505 Lock Nut/Seal Replacement Kit**

For use on #00-113 and #00-118 scavenger valves.

**#00-273 *Customizable* Pressure Relief Valve (True APL)**

True Adjustable Pressure Limiting (APL) Valve with settings of 0-55 cm H<sub>2</sub>O at 9 lpm. Mounting thread is 1/2"-20. Chrome plated brass.

**#00-398 Spring-Load Pop-off, Pediatric**

Chrome plated brass with stainless steel spring and synthetic disc. Mounting thread is 3/8"-24.

**#00-399 Pop-off, Bloomquist Circle**

#00-398 pop-off valve with a 15mm Male adapter. Chrome plated brass.



#00-275-MAX



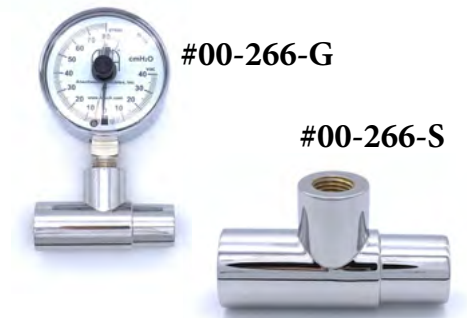
#00-489

#00-275-1



#P-159

#P-159-MRI



#00-266-G

#00-266-S



#00-118



#00-273



#00-273-MRI

#00-399



#00-398

#00-399

# Face Masks, Reusable

## Clear Silicone Face Mask (Latex Free)

A soft lipped, high temperature Silicone mask available in 6 sizes. The smooth Silicone construction provides transparency over the entire surface as well as a durable, high contact fit and excellent seal for patient comfort. Polycarbonate hook rings are included in sizes 2 thru 5. Assembly is Latex Free and MRI compatible.

Size 0	Round	15mm - Male	Sm. Infant	#LF-136-0
Size 1	Round	15mm - Male	Lg. Infant	#LF-136-1
Size 2	Round	22mm - Female	Sm. Child	#LF-136-2
Size 3	Contour	22mm - Female	Lg. Child	#LF-136-3
Size 4	Contour	22mm - Female	Sm. Adult	#LF-136-4
Size 5	Contour	22mm - Female	Lg. Adult	#LF-136-5



#LF-172



## Ambu Style Silicone Face Mask (Latex Free)

Non-conductive transparent masks ideal for resuscitation, obstetrics, emergencies, and anesthesia where conductivity is not essential, but where transparency is advantageous. Rigid shell and inflatable cuff seal. Latex Free.

Size 0A	15mm - Male	Infant	#LF-172-0A
Size 0	22mm - Female	Infant	#LF-172-0
Size 2	22mm - Female	Child	#LF-172-2
Size 3/4	22mm - Female	Medium	#LF-172-4
Size 5	22mm - Female	Adult	#LF-172-5

## B.O.C. Style Face Mask

A Connel type mask of conductive neoprene dipped over latex rubber, truly anatomical in shape, having an inflatable cuff seal and moldable wall structure. Balloon molded in one piece. The mask has a five-pronged ring on all sizes which will accommodate any two-, three-, or four-tailed harness. 22mm

Female fitting. Contains Latex.		
Size 0	Premature	#E-135-0
Size 1	Infant	#E-135-1
Size 2	Child	#E-135-2
Size 3	Small	#E-135-3
Size 4	Medium	#E-135-4
Size 5	Large	#E-135-5
Size 6	Extra Large	#E-135-6



#LF-157



## R.B.S Style Face Mask (Latex Free)

These masks were designed from a series of molds taken from a large number of infants to obtain the correct, average contour for an overall tight seal with minimum dead space under the mask. 22mm Female fitting. Clear Silicone for aided visualization. Latex Free.

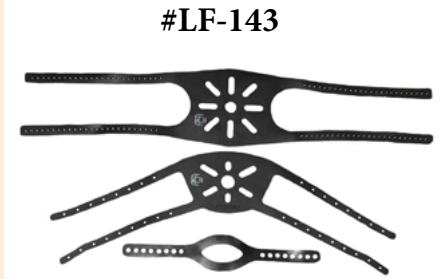
Size 0	Premature	#LF-157-0
Size 1	Infant	#LF-157-1
Size 2	Small Child	#LF-157-2
Size 3	Child	#LF-157-3

# Face Masks, Reusable

## Head Harnesses (Latex Free)

Head harnesses of black conductive, neoprene rubber. Large holes permit ventilation but it will not slip over small heads. Pressure is equally distributed over a large area. Latex free

#LF-143-A	Adult
#LF-143-B	Child
#LF-143-C	Pediatric



## Hook Rings

#00-333-2	2 Prong	#00-333-2	#00-333-4
For RBS masks; fits between mask and adapter.			
#00-333-4	4 Prong	For Ambu, RBS, and Silicone type face masks.	



# Laryngeal Mask Airway

The **Ultra** family of REUSABLE laryngeal mask airways. Constructed from 100% silicone, the sturdy cuff and tube provides 40 uses at an economical price. Equipped with an anatomically correct tip for proper fit and seal. The silicone cuff is soft and flexible at any temperature while remaining resistant to punctures and tearing. Latex Free and DEHP Free.

#LF-380-10	Size 1	5.0mm Min. ID	8.2mm Max. OD	<b>Ultra EX</b>
#LF-380-15	Size 1.5	6.0mm Min. ID	10.2mm Max. OD	
#LF-380-20	Size 2	7.0mm Min. ID	11.5mm Max. OD	
#LF-380-25	Size 2.5	8.5mm Min. ID	13.5mm Max. OD	
#LF-380-30	Size 3	10.0mm Min. ID	15.6mm Max. OD	
#LF-380-40	Size 4	10.0mm Min. ID	15.6mm Max. OD	
#LF-380-50	Size 5	11.0mm Min. ID	16.9mm Max. OD	<b>Ultra Flex EX</b>
#LF-380-60	Size 6	11.0mm Min. ID	17.1mm Max. OD	

Stainless steel wire reinforced, ultra flexible design.

#LF-390-10	Size 1	5.9mm Min. ID	7.9mm Max. OD
#LF-390-15	Size 1.5	5.9mm Min. ID	7.9mm Max. OD
#LF-390-20	Size 2	6.4mm Min. ID	8.3mm Max. OD
#LF-390-25	Size 2.5	8.0mm Min. ID	10.0mm Max. OD
#LF-390-30	Size 3	9.0mm Min. ID	11.0mm Max. OD
#LF-390-40	Size 4	9.0mm Min. ID	11.0mm Max. OD
#LF-390-50	Size 5	9.4mm Min. ID	12.6mm Max. OD
#LF-390-60	Size 6	9.4mm Min. ID	12.6mm Max. OD



SS Wire Reinforced



#00-224



#00-227



#00-229

#00-232



#00-233



#00-234



#00-233-P



#00-247

# Mask Elbows

## Aluminum: Non-Conductive, Anodized

Lightweight; Latex Free

### Mask Elbow (Sampling) #00-224

With Female Luer Lock sampling port. Machine end 15mm Male. Patient end is nominal 22mm Male and 15mm Female. (Also available in "T", see #00-090 on Page 34.)

### Inhalant Mask Elbow #00-227

Elbow for in-line dosing (bronchodilation and other) with sealing cap. Accepts standard metered dose inhalant canisters of 0.125" max tip diameter. Machine end is 15mm Male. Patient end is nominal 22mm Male and 15mm Female.

### Mask Elbow (CPAP) #00-229

Elbow with feed tube (1/4") coming in the top, spring-loaded pop-off valve (adjustable), and 1/4" connection for pressure manometer. Machine end is 15mm Male. Patient end is nominal 22mm Male and 15mm Female. With the fresh gas feed tube within 9/16" of the mask fitting, the kinetic energy of the incoming gas decreases dead space in the elbow.

### Mask Elbow "T" Tube #00-232

Includes ventilating thumb port (1/2" O.D. x 3/8" I.D.). Machine end is 15mm Male. Patient end is nominal 22mm Male and 15mm Female.

### Mask Elbow #00-233

Machine end is 15mm Male. Patient end is 22mm Male and 15mm Female.

### Norman Type Mask Elbow #00-234

Includes fresh gas feed nipple (1/4") coming down through the top to within 9/16" of the mask fitting. The kinetic energy of the incoming gases decreases dead space in the elbow. Machine end is 15mm Male. Patient end is 22mm Male and 15mm Female.

### Mask Elbow with Pop-Off #00-233-P

Elbow with spring-loaded pop-off valve (adjustable). Machine end is 15mm Male. Patient end is nominal 22mm Male and 15mm Female.

### Mask Elbow with Pop-off, Large Size #00-247

Large size spring-loaded pop-off valve (adjustable). Machine end is 22mm Male. Patient end is nominal 22mm Male and 15mm Female.

# Mask Elbows

## Chrome Plated Brass

Latex Free

### Mask Elbow, CPAP #00-488

Elbow with feed tube (1/4") coming in the top, spring-loaded pop-off valve (adjustable) and 1/4" connection for pressure manometer. Machine end is 15mm Male. Patient end is nominal 22mm Male and 15mm Female. With fresh gas tube within 9/16" of the mask fitting, the kinetic energy of the incoming gas decreases dead space in the elbow.

### Mask Elbow, CPAP #00-490

Same as the #00-488 CPAP elbow above, except with no pressure port.

### Rendell-Baker Bifurcated Mask Chimney Piece #00-437

With gas inlet and spring-loaded pop-off (adjustable). The machine end is 15mm Male and the patient end is 7/8" O.D. for masks. Includes a 5/16" diameter side port nipple.

### Keets Type Hanks-Rackow Elbow, Side Port #00-443-A

15mm Male on machine end. Patient end is 22mm Male and 15mm Female with a 1/4" side inlet which extends down to within 9/16" of the mask fitting, permitting an ideal "T" tube principle for the flushing of the exhaled gas from under a mask.

### Keets Type Hanks-Rackow Elbow, Top Port #00-443-B

15mm Male on machine end. Patient end is 22mm Male and 15mm Female with a 1/4" top inlet which extends down to within 9/16" of the mask fitting, permitting an ideal "T" tube principle for the flushing of the exhaled gas from under a mask.

### Keets Type Hanks-Rackow Elbow, Top Inlet, Side Port #00-482

1/4" top inlet which extends down to within 9/16" of the mask fitting, permitting an ideal "T" tube principle for the flushing of the exhaled gas from under a mask. Also has a 1/4" side port. 15mm Male on machine end. Patient end is 22mm Male and 15mm Female

### Hanks-Rackow Elbow #00-132

Sweep elbow with 15mm Male on machine end. Patient end is nominal 22mm Male and 15mm Female.

### Hanks-Rackow Elbow with Side Inlet #00-133

Sweep elbow with a 1/4" side inlet for introducing fresh gas at the patient. 15mm Male on machine end. Patient end is 22mm Male and 15mm Female.



#00-488



#00-490



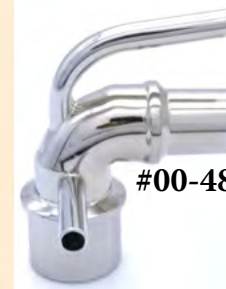
#00-437



#00-443-A



#00-443-B



#00-482



#00-132



#00-133



# Mask Elbows

## Conductive Neoprene

Latex free, Lightweight, Autoclavable.

### Mask Elbow

#00-452

Mask Elbow with 15mm Male on machine end. Patient end is nominal 22 mm Male with taper and shoulder for secure fit in masks and 15mm Female for tracheal connectors.

### Mask Elbow with Pop-off

#00-452-P

Elbow with a spring-loaded, pop-off valve (adjustable). Machine end is 15mm Male. Patient end is 22mm Male and 15mm Female.

### Mask Elbow with Side Inlet

#00-452-I

Elbow with side inlet (5/16") for introducing gases at the patient. Machine end is 15mm Male. Patient end is 22mm Male and 15mm Female.

### Mask Elbow with Side Inlet and Pop-off

#00-452-IP

Elbow with a spring-loaded, pop-off valve (adjustable) and side inlet (5/16"). Machine end is 15mm Male. Patient end is 22mm Male and 15mm Female.

### Modified Ayres "T" Tube

#00-456

15mm Male on machine end. Patient end is nominal 22mm Male with taper and shoulder for secure fit in masks and 15mm Female for tracheal connectors, with 5/16" side port.

## Plastic

Latex Free, Lightweight

### Mask Elbow with Pop-off, Large size, Acrylic

#00-223

Large size spring-loaded pop-off valve (adjustable) on a semi-transparent acrylic body. Machine end is 22mm Male. Patient end is nominal 22mm Male and 15mm Female.

## Non-Rebreathing Valves

### Stephen Slater Valve (Bifurcated)

#00-420

Inline "one way" Non-Rebreathing valve with spill check valve closed by thumb action. 15mm Female at patient end and 15mm Male at machine end. Chrome plated brass.

### Ainca Non-Rebreathing Valve, 90°

#00-422

Ideal 90° non-rebreathing and resuscitation valve (one way) with only 12cc dead space and minimum resistance. For both infants and adults. Positive pressure thumb button instantly closes the adjustable release valve. Machine end is 7/8" Male, patient end is 22mm Male x 15mm Female. Chrome plated brass.

# Circuit "Y" Pieces

## Stainless Steel

#00-237

Pediatric E/T "Y" Bifurcated. Patient end is 15mm Female. Machine ends are 5/8" OD Male.

#00-238

Adult E/T "Y" Bifurcated. Lightweight stainless steel with septum and harness knobs. Patient end is 15mm Female. Machine ends are 7/8" O.D. Male

## Adult E/T "Y"

## Chrome Plated Brass

#00-405

Beveled 15mm Female on patient end. Machine ends are 7/8" O.D. Male. Includes large sized spring-loaded pop-off valve (adjustable) and attachment posts.

## Straight "Y" Piece with Pop-off

#00-406

Beveled 15mm Female on patient end. Machine ends are 7/8" O.D. Male. Includes attachment posts.

## Straight "Y" Piece with Posts

#00-411

Modified Ayres "T" Tube. Legs are 3/8" O.D. Male and the patient end is 15mm Female.

## Rabbit Ears "Y"

#00-413

15mm female with two 1/2" O.D. legs.

## Inhaler "Y"

#00-388

Machine end is 15mm Male. Curved adapter with 3/8" O.D. Male tubes.

## Carlen Adapter 45°

#00-401

Machine end is 15mm Male. Curved adapter with 3/8" O.D. Male tubes.

## Carlen Adapter 90°

#00-402

Machine end is 15mm Male. Straight adapter with 3/8" O.D. Male tubes.

## Carlen Adapter

## Conductive Neoprene

#00-450

90° turn "Y". Patient end is nominal 22mm Male and 15mm Female. Machine ends are 7/8" O.D. Male.

## Chimney "Y"

#00-450-P

90° turn "Y" with spring-loaded, pop-off valve (adjustable). Patient end is nominal 22mm Male and 15mm Female. Machine ends are 7/8" O.D. Male.

## Chimney "Y" with Pop-off

#00-451

In-line "Y". Patient end is nominal 22mm Male and 15mm Female. Machine ends are 7/8" O.D. Male and 5/8" I.D. Female.

## Catheter "Y"

#00-451-P

In-line "Y" with spring-loaded, pop-off valve (adjustable). Patient end is nominal 22mm Male and 15mm Female. Machine ends are 7/8" O.D. Males and 5/8" I.D. Females.

## Catheter "Y" with Pop-off



# Circuit "T" Pieces

## "T" Tubes, Stainless Steel



#00-239

### Summers Type "T" Tube

#00-239

Incorporates all favorable characteristic principles of "T" pieces: negligible expiratory resistance, simplicity and minimum dead space. With the fresh gas inlet within 9/16" of the end fitting, the kinetic energy of the incoming gas decreases dead space in the fitting. Patient end is 15mm Female. Machine end is 15mm Male. Inlet is 1/4" O.D. Male. Lightweight stainless steel. (Latex Free)



#00-240

### Washington Type "T" Tube

#00-240

Incorporates all favorable characteristic principles of "T" piece design in a shorter length version. Additionally, with the fresh gas inlet within 9/16" of the end fitting, the kinetic energy of the incoming gases decreases dead space in the fitting. Patient end is 15mm Female. Machine end is 15mm Male. Inlet is 1/4" O.D. Male. Lightweight stainless steel (Latex Free)



#00-090

## Inline "T", Chrome Plated Brass

### Sampling "T", Luer, 15mm

#00-090

15mm Male x 15mm Female ends with a Female Luer Lock sampling port. Chrome plated brass. (Latex Free)



#00-404

### Sampling "T", Luer, 22mm

#00-090-22

22mm Male x 22mm Female ends with a Female Luer Lock sampling port. Chrome plated brass. (Latex Free)



#00-460

### Catheter or Hose Adapter

#00-404

15mm Male x 15mm Female with 5mm (3/16") Male sampling hose fitting. Chrome plated brass. (Latex Free)



#00-461

### Large Bore Gas Inlet "T" Tube

#00-460

15mm Male x 15mm Female "T" tube with angled large bore gas inlet 3/8" O.D. Male. Chrome plated brass. (Latex Free)



#00-164

### T.I.B. Adapter

#00-461

22mm Male x 22mm Female with 3/8" Male side tubing connection at 90°. Chrome plated brass. (Latex Free)



#00-266-S

### Scavenging "T" Adapter

#00-164

19mm Male x 19mm Male x 19mm Male. Chrome plated brass. (Latex Free)



#00-266-G

### "T", 1/4" NPT

#00-266-S

22mm Female x 22mm Male / 15mm Female "T" with a 1/4" NPT-Female port. Chrome plated brass. (Latex Free)

### "T" with Manometer

#00-266-G

#00-199 manometer mounted on a chrome plated brass "T" that is 22mm Female x 22mm Male / 15mm Female. (Latex Free)

### "T" with Manometer w/ Max Hold Pointer

#00-266-G-MAX

#00-266-G with resettable pointer to capture max/min pressure reading

# Flex Connector Tubes, Reusable

## Semi-Clear

### Lightweight, Cream Colored Polyester (Latex Free)

Flexible, semi-transparent, 9/16" smooth I.D. spiral reinforced tubing. Ends are: rigid 15mm Male by Silicone 15mm Female. Autoclavable.

#00-436-06

6" overall length

#00-436-09

9" overall length

#00-436-12

12" overall length

Version with 15mm Female by 15mm Female Silicone ends.

#00-436-10F

10" overall length

## EPDM Synthetic Rubber

(Latex Free)

Flexible EPDM synthetic rubber connectors (black) with 15mm Male by 15mm Female ends. Lengths to 36" available upon request. Available with Delrin, stainless steel, or aluminum ends.

Delrin Ends

Stainless Steel Ends

Aluminum Ends

#00-435-03

#00-438-03

#00-439-03

3" overall length

#00-435-06

#00-438-06

#00-439-06

6" overall length

#00-435-09

#00-438-09

#00-439-09

9" overall length

#00-435-13

#00-438-13

#00-439-13

13" overall length

#00-435-XX

#00-438-XX

#00-439-XX

Custom Length

## Teflon

(Latex Free)

Flexible Teflon Connector (transparent/white) with 15mm Male by 15mm Female ends. The ends are firmly threaded into the convolutions of the tubing making it easy to assemble connections of different lengths. An inert, long-lasting, lightweight, flexible, translucent, and heat sterilizable connector. Other lengths available upon request. The flexible portion of tube is 4" long.

#00-483

5-1/2" overall length

## Chrome Plated Brass

This unusual connector is "semi-flexible" and will retain the shape to which it is positioned. Constructed of chrome plated brass, the bellows end in 15mm Male and 15mm Female ends. (Latex Free)

#00-484

4" overall length



# Breathing Tubes, Reusable

## Semi-Clear

Latex Free

Lightweight, Cream Colored, Polyester and Silicone

#E-210



### Pediatric, 9/16" Silicone 22mmF x 15mmF

Flexible, semi-transparent 9/16" smooth I.D. spiral reinforced tubing with molded 7/8" (22mm) Silicone Female and 5/8" (15mm) Silicone Female ends.

**30" length**

#E-210-30

**36" length**

#E-210-36

#E-215



### Adult, 9/16" Silicone 22mmF x 22mmF

Flexible, semi-transparent 9/16" smooth I.D. spiral reinforced tubing with 22mm Silicone Female Fittings at both ends.

**24" length**

#E-215-24

**36" length**

#E-215-36

**48" length**

#E-215-48

#E-220



### Adult, 3/4" Silicone 22mmF x 22mmF

Flexible semi-transparent, smooth 3/4" I.D., spiral reinforced tubing with 22mm Silicone Female fittings at both ends.

**8" length**

#E-220-08

**12" length**

#E-220-12

**24" length**

#E-220-24

**36" length**

#E-220-36

**48" length**

#E-220-48

**72" length**

#E-220-72

## Need a custom semi-clear tube? We can build it!

You can choose from either the 9/16" or the 3/4" smooth ID tube and then add any combination of fitting connections from the below list. We use the same lightweight, semi-clear, reinforced tubes and fittings from our E-210, E-215, and E-220 series tubes to make custom tubes.

Customizable in any length up to 10 feet.

Available fittings for 9/16" tube:

15mm Male - rigid fitting

15mm Female - silicone cuff

22mm Female - silicone cuff

Available fittings for 3/4" tube:

19mm Female - RED silicone cuff

22mm Female - silicone cuff

Typical lead time is 2-4 business days, please call for more information and custom tube part numbers.



# Breathing Tubes, Reusable

Neoprene, Lightweight, Conductive Synthetic Rubber, Latex Free

Lightweight dipped neoprene with molded 7/8" (22mm) Female rubber bushing on machine end and 15mm Female stainless steel bushing on patient end.

#E-203

30" length



## Evacuation Tubing, EPDM 19mmF x 19mmF, Latex Free

Flexible EPDM synthetic rubber tubing (black) with integral 19mm Female cuffs at both ends.

#LF-217-10

10" Overall Length

#LF-217-30

30" Overall Length

#LF-217-39

39" Overall Length



#00-217

## Tubing EPDM, reusable (Latex Free)

EPDM synthetic rubber 5/8" tubing (black). Specify length up to 36". Uses adapter end fittings shown below to build your own tube set.

## "Build Your Own" Tube Set!

EPDM (synthetic rubber) corrugated black tubing (5/8") with Delrin, aluminum, or stainless steel Male or Female end fittings!

Any combination of length up to 36".

Select the tubing length and end fittings (2) for each tube set you need. Assembly available under separate part number.



## Adapters for 5/8" Flex Hose

### Two (2) Needed Per Set

Delrin

#00-204

15mm Male

#00-205

15mm Female

#00-204



#00-205



#00-218



Stainless Steel

#00-218

15mm Male

#00-219

15mm Female

#00-220



#00-219



Aluminum

#00-220

15mm Male

#00-221

15mm Female

#00-221



#00-481



# Adaptors and Connectors

## Chrome Plated Brass Durable and Rugged

#00-129



#00-320



#00-091



#00-407



#00-407-S



#00-408



#00-408-S



**Mask Adapter (15mmM by 22mmM/15mmF) #00-129**

15mm Male on the machine end. Patient end is nominal 22mm Male/15mm Female.

**Universal Adapter (22mmF by 15mmF) #00-320**

Large end is 22mm Female. Small end is 15mm Female.

**Scavenging Adapter (22mmF by 19mmM) #00-091**

22mm Female x 19mm Male.

**Vaporizer Inlet Adapter (23mmF by 5/16") #00-407**

23mm Female x 5/16" hose nipple.

**Vaporizer Inlet Adapter (23mmF by 1/4") #00-407-S**

23mm Female x 1/4" barb fitting.

**Vaporizer Outlet Adapter (23mmM by 5/16") #00-408**

23mm Male x 5/16" hose nipple.

**Vaporizer Outlet Adapter (23mmM by 1/4") #00-408-S**

23mm Male x 1/4" barb fitting.

## Delrin Lightweight, Black

#00-801



#00-802



#00-804



#00-805



**Scavenger Adapter (US/EU) (19mmM by 30mmM) #00-801**

19mm Male x 30mm Male

**Scavenger Adapter (US/EU) (19mmM by 30mmF) #00-802**

19mm Male x 30mm Female

**Scavenger Adapter (19mmF by 22mmM) #00-804**

19mm Female x 22mm Male

**Scavenger Adapter (19mmM / 15mmF by 22mmF) #00-805**

19mm Male / 15mm Female x 22mm Female

# Adaptors and Connectors

## Stainless Steel Lightweight, Thin Wall

**#00-241 Male Connector (22mmM by 22mmM)**

22mm Male x 22mm Male

**#00-184 Male Connector (15mmM by 15mmM)**

15mm Male x 15mm Male.

**#00-185 Male Connector (19mmM by 19mmM)**

19mm Male x 19mm Male.

**#00-430 Female Connector (15mmF by 15mmF)**

15mm Female x 15mm Female.

**#00-235 Male Bushing (15mmM by 5/8" tube)**

15mm Male x 5/8" tube.

**#00-236 Female Bushing (15mmF by 5/8" tube)**

15mm Female x 5/8" tube.

## Chrome Plated Brass

**#00-315 Curved 90°/ Capped Suction**

15mm Male to 15mm Female, with 3/8" suction tube and cap on chain.

**#00-316 Curved 90°/ Suction**

15mm Male to 15mm Female, with 1/4" suction tube nipple.

**#00-317 Curved 90°**

15mm Male to 15mm Female.

**#00-318 Curved 45°**

15mm Male to 15mm Female.

**#00-319 Right Angle**

15mm Male to 15mm Female.

## Aluminum

**#00-440-L Rendell Baker/ Ayres "T", Long**

Aluminum "T" with a 15mm Male connector at the patient end. A tilted nipple fitting provides a tapered tip of 3/16" x 7/32" diameter over a 1" length opposite a 5/16" M x 7/32" F socket.

**#00-440-S Rendell Baker/ Ayres "T", Short**

Aluminum "T" with a 15mm Male connector at the patient end. A tilted nipple fitting provides a 7/32" tip (1/2" long) opposed to a 5/16" M x 7/32" F socket.

#00-241



#00-184



#00-430



#00-235



#00-236



#00



#00-316



#00-317



#00-318



#00-319



#00-440-L



#00-440-S



# Tracheal Tube Connectors

## 15mm Male Fitting by Metric ID Nipple

#00-309-#



### Straight, Disposable Plastic

#00-309-#

High-density, translucent plastic connectors are sized in accordance with Z79 Standards. A deep knurl around the circumference of the upper edge makes a firm grip possible for sealing and removing. 15mm Male by nipple sizes **3mm to 12mm** I.D. (10 sizes, specify).

#00-310-#



### Straight, Stainless Steel

#00-310-#

Thin-walled, precision-ground finish, solid stainless steel. Connectors are sized in accordance with Z79 Standards. 15mm Male by nipple sizes **5mm to 11mm** I.D. (7 sizes, specify).

#00-311-#



### Straight, Chrome Plated Brass

#00-311-#

Durable and rugged. Connectors are sized in accordance with Z79 Standards. 15mm Male by nipple sizes **3mm to 9mm** I.D. (7 sizes, specify).

#00-312-#



### 90° Curved, Chrome Plated Brass

#00-312-#

Curved to a right angle. 15mm Male by nipple size **3mm to 9mm** I.D. (7 sizes, specify).

#00-313-#



### 60° Curved, Chrome Plated Brass

#00-313-#

Curved back to within 60° of itself. 15mm Male by nipple sizes **3mm to 9mm** I.D. (7 sizes, specify).

**NOTE:** Order by part number and size (i.e. for a 5mm unit, #00-310-05). "mm" size designation in ETT adaptors indicate the inside diameter of the product to match the ID of the ETT. Fit into the ETT will be tight on most tubes, depending on stiffness.

#00-334



### Adult Universal Racine Adapter

#00-334

Connects to ANY size 7mm to size 10mm tracheal tube. 4" flexible Silicone connector with 15mm Male machine end and flexible diaphragm on patient end to stretch over tube end. Racine type.

# Circuit Components

## Single Tube Breathing Circuits

#00-115 *Customizable*

### Universal Control Arm

For use with all single tube systems such as Magill, Mapleson, Jackson-Reese, and Bain, with adjustable throttling valve (#00-113), -40 to +80 cm H<sub>2</sub>O respiratory pressure manometer (swivel mounted), coaxial 22mm Male x 15mm Female circuit mount nipple, 7/8" vertical bag mount, 19mm Male gas evacuation port nipple, capped ports for the attachment of a disconnect alarm and/or ventilator switch valve (Ref. #00-116). Can be easily mounted on the absorber pole or gas machine (provided 1/2" x 3" stud & clamp system). The manifold is anodized aluminum with chrome plated brass connectors.



#00-115

Clamp on the back

#00-116 *Customizable*

### Selector Valve, Bag Switch-over

Bag switch-over valve: to mount on Universal Control Arm. (Ref. #00-115). 22mm Male ventilator connection, 7/8" bag vertical nipple and 7/8"-27 mounting thread with locking ring and O-ring seal.



#00-116

### Inline Pop-Off

#00-250

### In-Line Relief Valve (True APL)

"T" of 22mm Female x 22mm Male/15mm Female with #00-273 relief valve, adjustable from 0-55cm H<sub>2</sub>O @ 9 lpm, chrome plated brass.

#00-250



#00-251

### Chrome Plated Brass

#00-251-D

### Lightweight Black Delrin

"T" of 15mm Male x 15mm Female with #00-273 relief valve, adjustable from 0-55cm H<sub>2</sub>O @ 9 lpm.



#00-251-D

#00-257

#00-259

#00-261

#00-262



### 15mm "T" - O<sub>2</sub> Sensor

"T" of 15mm Male x 15mm Female, with port to accept oxygen analyzer sensor. For use in single tube systems: Magill, Mapleson, Jackson-Reese, and Bain.

#00-257

"T" with Ohmeda insert

#00-259

"T" with Drager insert

#00-261

"T" with Instrumentation Labs insert

#00-262

"T" with Criticon insert

#00-263

"T" only, No Insert

Same as above with a side port for use with disconnect alarm, or pressure manometer.

#00-264

"T" w/ side inlet & Instrumentation Labs insert

#00-265

"T" w/ side inlet & Criticon insert

#00-263



#00-264

#00-265



O<sub>2</sub> Sensor "T"s



#00-269 #00-270  
#00-271 #00-272



#00-095 #00-097



#00-219-S #00-098



#00-455 #00-235



#00-236 #00-235



#00-205 #00-414



# Circuit Components

## 22mm "T" - O<sub>2</sub> Sensor

22mm Female by 22mm Male/15mm Female with port to accept oxygen analyzer sensor.

- "T" with Ohmeda insert #00-258
- "T" with Drager insert #00-260
- "T" with Instrumentation Labs insert #00-267
- "T" with Criticon Insert #00-268
- Instrumentation Labs O<sub>2</sub> Adapter only #00-269
- Criticon O<sub>2</sub> Adapter only #00-270
- Drager O<sub>2</sub> Adapter only #00-271
- Ohmeda O<sub>2</sub> Adapter only #00-272

# Bag and Tubing Adapters

- Tube Adapter (Aluminum) #00-095**  
Corrugated tube adapter bushing 7/8 O.D. Male by 15mm Female.
- Bag Bushing: Cage (Chrome Plated Brass) #00-097**  
Reduces 7/8" bag to 15mm Female, with cage on bag end.
- Bag Bushing: Cage (Stainless Steel) #00-219-S**  
Adapts 5/8" rolled neck bag to 15mm Female with cage on bag end.
- Bag Bushing (Chrome Plated Brass) #00-098**  
Reduces 7/8" bag or tube to 15mm Female.
- Bag Bushing (Neoprene) #00-455**  
Reduces 7/8" bag or tube to 15mm Female.
- Male Bushing (Stainless Steel) #00-235**  
15mm Male x 5/8" (rolled neck).
- Female Bushing (Stainless Steel) #00-236**  
15mm Female x 5/8" (rolled neck).
- Bag Bushing (Delrin) #00-205**  
15mm Female x 5/8" (rolled neck).
- Hose Adapter (Delrin) #00-414**  
15mm Female x 1/2" diameter hose connector.

# Breathing Bags, Reusable

## PEDIATRIC Fluted, Black Neoprene, Latex Free

5/8" neck with a 15mm Female stainless steel bushing, conductive.

- #E-191 500cc
- #E-195 1500cc

## PEDIATRIC Flat, Blue Neoprene, Latex Free

- #LF-122-05-B With 5/8" (15mm) rubber bushing. 500cc bag
- #LF-122-05-TB With 5/8" (15mm) rubber bushing. 500cc bag with tail tap valve.

## ADULT Fluted, Black Neoprene, Latex Free

With 7/8" (22mm) Female rubber bushing, conductive.

- #LF-124-05 500cc
- #LF-124-10 1 Liter
- #LF-124-20 2 Liter
- #LF-124-30 / E-198 3 Liter
- #LF-124-40 4 Liter
- #LF-124-50 5 Liter

With 3/4" (19mm) Female rubber bushing, conductive.

- #LF-125-30 3 Liter
- #LF-125-50 5 Liter

## ADULT Flat, Blue Neoprene, Latex Free

With 7/8" (22mm) rubber bushing.

- #LF-122-05 500cc
- #LF-122-10 1 Liter
- #LF-122-20 2 Liter
- #LF-122-30 3 Liter
- #LF-122-40 4 Liter
- #LF-122-50 5 Liter

- #LF-113 **Test Lung, 500cc (Latex Free)**  
500cc test lung, Flat, with 7/8" (22mm) Female bushing. Latex free. Foam interior and external band mimic natural lung function.
- #LF-114 **Test Lung, 750cc (Latex Free)**  
750cc test lung, Flat, with 7/8" (22mm) Female bushing. Latex free. Foam interior and external band mimic natural lung function.
- #E-120 **Kuhn Bag**  
22mm Female Rubber neck. 500cc flat Latex breathing bag with thumb controlled ventilating port on the side.





# Bagtail Pop-Offs

## With Gas Evacuator

These 5 units fit directly into the tail of the bag, or in-line, and connect to the hospital suction system. A negative relief feature prevents the suction from collapsing the bag or affecting gas flow.

### In-Line Evacuator, 1/4" Suction #00-379

In-line gas evacuation valve with spring-loaded pop-off (adjustable). 15mm Male by 15mm Female, with 1/4" side tube for evacuation.

### In-Line Evacuator, 19mm Suction #00-379-S

In-line evacuation valve with spring-loaded pop-off (adjustable) 15mm Male by 15mm Female with 19mm suction adapter, and additional 1/4" pressure port.

### Bagtail Valve #00-389

Lightweight with a single hand slide adjustment, and negative relief. 3/8" bag nipple with 22mm Male/19mm Female evacuator fitting.

### Palm Type #00-393

Single hand operation with spring-loaded pop-off (adjustable). 3/8" ends.

### 90° Palm Type #00-394

Single hand operation with spring-loaded pop-off (adjustable) in 90° version.

## Without Gas Evacuator

These 5 units spill directly to the atmosphere.

### Bagtail Bleed Valve #00-387

Dennison adjustable type. Lightweight aluminum. Anodized finish. 3/8" end.

### Bagtail Bleed Valve #00-387-D32025

Dupaco adjustable type (D32025). Lightweight aluminum and delrin. Anodized finish. 5/16" end.

### Palm Type #00-395

Single hand operation with spring-loaded pop-off (adjustable). 3/8" end.

### APL Type #00-397

True APL pop-off valve (0-60cm H<sub>2</sub>O at 9 lpm) with 3/8" end. Delrin body with chrome plated brass valve.

### Straight Type #00-400

This spring-loaded, pop-off valve (adjustable) inserts in the tail of a breathing bag. 3/8" end.

### Kuhn Bag #E-120

500cc latex breathing bag with thumb ventilating port on the side, with 22mm Female rubber neck.

**CAUTION:** These valves are non-conductive. Do not use with explosive gases.

# Tube Supports and Accessories

### #00-391 Tube Support

A versatile breathing tube support which supports both adult and pediatric tubes for positioning, helping prevent accidental disconnects. Either end can be placed under table pad. Aluminum.

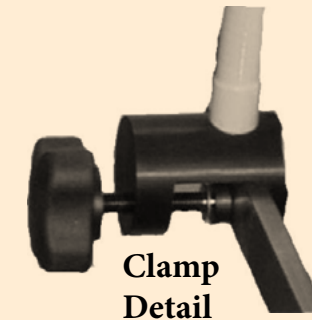
### #00-416 Derbyshire Breathing Tube Support

Compact-sized tube support designed to slip under the table pad. Supports and holds various sized breathing tubes. Aluminum.

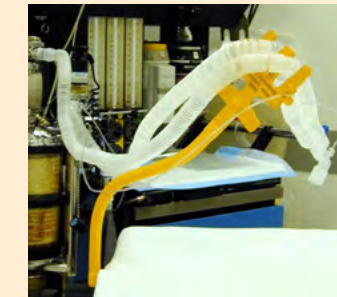
### GioFlex Tube Positioning

A flexible support system that clamps securely to the OR table rail. Gooseneck arm allows an infinite number of stable locations and orientations to position the "hand". Adult, and pediatric breathing tubes, as well as sensing and IV lines or transducers can be organized and positioned reliably. Anodized and powder-coated aluminum construction for easy cleaning.

### #00-392-S 18" length



Clamp Detail



### #00-417 Wells Arms Protector

Designed for use in the operating room, recovery room, and in intensive care to protect blood pressure cuffs, IV and pressure lines from external interference. Aluminum.



#GL-350/  
GL-350-LED



#GL-354/  
GL-354-LED



#GL-342



#GL-336



#GL-335



#GL-341



# Laryngoscopes GreenLine Fiber Optic

An extensive array of GreenLine™ fiber optic (bulb in handle) lightweight laryngoscope blades fabricated from the finest 303 and 304 stainless steel with satin, non-glare finishes. The complete range of sizes and configurations are manufactured at very affordable prices. Various handle styles are available, all of which utilize a Xenon gas charged bulb for an extremely bright white light. Easily replaceable fiber bundles transmit the light from the handle, through the blade to the exit point. Workmanship on all parts is exemplary.

Compatibility- With the initial introduction of the Fiber Optic Laryngoscope in the 1980s, there was a lack of compatibility among the different manufacturers. This caused frustration to the user and danger to the patient by having a handle from one manufacturer that might not fit the blade from a different manufacturer. Rest assured that the GreenLine™ Fiber Optic System is completely compatible and interchangeable with the following “green coded” system brands: Welch Allyn, Heine, Propper, and Rusch\*. This level of compatibility is important when considering the purchase of fiber optic laryngoscope blades and handles.

(\*Brand names are the ™ of the individual companies)

## Handles, Stainless Steel

**Standard (29mm X 160mm) #GL-350**

Lightweight standard. Requires two “C” batteries.

**Standard with LED Bulb Assembly #GL-350-LED**

**Penlite (19mm X 160mm) #GL-354**

Slender profile, standard length. Requires two “AA” batteries.

**Penlite with LED Bulb Assembly #GL-354-LED**

**Bantam (32mm X 130mm) #GL-342**

Short and light. Designed to accommodate difficult intubations of short neck, barrel-chested or large bosomed patients where distance between the mouth and chest prohibits the use of a standard length handle. Requires two “AA” batteries.

**Pediatric (19mm x 122mm) #GL-336**

Small and lightweight, excellent pairing for pediatric sized blades. Requires (1) qty L-123 cell.

**Micro-Mini (19mm x 90mm) #GL-335**

Micro size, but full function. Ideal for the tiniest of blades. Requires (1) qty L-123 cell.

**Large (38mm x 190mm) #GL-341**

Stout and long lasting. Requires two “D” batteries but can remain on for extended lengths of time without battery degradation.

# Laryngoscopes GreenLine Fiber Optic

## Macintosh Blades

### Macintosh, English Standard (Curved)

The original English profile with a soft, gentle curvature and a flange starting at the base of the blade and continuing to the tip as it narrows. The left-hand version is invaluable in cases with irregular dentition or a left-handed practitioner.

#GL-365-1	92mm	Infant, Size 1
#GL-365-2	100mm	Child, Size 2
#GL-365-3	130mm	Medium Adult, Size 3
#GL-365-3L	130mm	Left Handed, Size 3L
#GL-365-4	155mm	Adult, Size 4
#GL-365-5	184mm	Large Adult, Size 5
#GL-365-6		Complete Set

Includes blades Sz 1, 2, 3, 4, std handle, spare bulb, plastic case/foam.

### Macintosh, American Profile (Curved)

The American profile has a slightly more abrupt curvature and a flange that terminates prior to the tip of the blade.

#GL-368-0	75mm	Neonate, Size 0
#GL-368-1	92mm	Infant, Size 1
#GL-368-2	108mm	Child, Size 2
#GL-368-3	124mm	Medium Adult, Size 3
#GL-368-3.5	144mm	Adult, Size 3.5
#GL-368-4	158mm	Large Adult, Size 4

### Macintosh, German Profile

Integrated extra large fiber optic bundle. Eliminates cracks and crevices that trap debris. Reduces pinch points. Bundle not removable.

#GL-GP-365-1	93mm	Infant, Size 1
#GL-GP-365-2	114mm	Child, Size 2
#GL-GP-365-3	135mm	Medium Adult, Size 3
#GL-GP-365-3-SC	135mm	Medium Adult, Size 3
#GL-GP-365-4	155mm	Large Adult, Size 4
#GL-GP-365-6		Complete Set

Includes blades Sz 1, 2, 3, 4, std handle, spare bulb, plastic case/foam.

#GL-365



#GL-368



#GL-GP-365





#GL-378/ GL-381



#GL-379



#GL-375-3



#GL-380



#GL-367



# Laryngoscopes GreenLine Fiber Optic

## Macintosh Blades

### Macintosh, English Channel (EC)

Incorporates a special channel to assist in visualizing the chords and inserting the ET tube.

		<b>English Profile/ American Profile</b>	
<b>Size 2, Child</b>	<b>100mm</b>	<b>#GL-378-2</b>	<b>#GL-381-2</b>
<b>Size 3, Medium Adult</b>	<b>130mm</b>	<b>#GL-378-3</b>	<b>#GL-381-3</b>
<b>Size 3.5, Medium Adult</b>	<b>145mm</b>	<b>#GL-378-3.5</b>	<b>#GL-381-3.5</b>
<b>Size 4, Adult</b>	<b>155mm</b>	<b>#GL-378-4</b>	<b>#GL-381-4</b>

### Macintosh, Reduced Flange (RF, EC)

Partial flange removal reduces force on the maxillary incisors. Includes special channel to assist in visualizing the chords

<b>Size 2, Child</b>	<b>100mm</b>	<b>#GL-379-2</b>
<b>Size 3, Medium Adult</b>	<b>130mm</b>	<b>#GL-379-3</b>
<b>Size 3.5, Medium Adult</b>	<b>145mm</b>	<b>#GL-379-3.5</b>
<b>Size 4, Adult</b>	<b>155mm</b>	<b>#GL-379-4</b>

### Polio (Size 3, Medium Adult, 133mm) #GL-375-3

A modification of the Macintosh blade offset from the handle at an obtuse angle to allow intubation of patients in respirators (iron lungs), body jackets, and other difficult arrangements.

### Macintosh "Flex-Tip" EC Blade with Articulating Tip

The versatile Flex-Tip "English Channel" (EC) Macintosh style curved blade is designed for the ultimate in clinician flexibility of use. A lever positioned along the handle (but attached to the blade) controls the flexing motion of the distal tip of the blade. The Flex-Tip blade is ideal for difficult intubations where controlled elevation of the epiglottis is desired with reduced force on the patient. It is extremely useful when encountering displaced larynx, teeth, tongue or mandible as well as with spinal injuries and neck stiffness. Available in three blade sizes.

<b>Size 2</b>	Flex-Tip EC Mac, Blade	<b>#GL-380-2</b>
<b>Size 3</b>	Flex-Tip EC Mac, Blade	<b>#GL-380-3</b>
<b>Size 4</b>	Flex-Tip EC Mac, Blade	<b>#GL-380-4</b>
<b>Complete Set</b>	Blades Size 3, 4, std handle, spare bulb, plastic case/foam	<b>#GL-380-6</b>

### Wisconsin

A straight spatula and flange that expands slightly toward the distal portion of the blade. This feature increases the visual field and reduces the possibility of trauma during intubation. The distal portion of the blade is wider and formed slightly to the right to better adapt it to lifting the epiglottis.

<b>Size 2, Child</b>	<b>135mm</b>	<b>#GL-367-2</b>
<b>Size 3, Medium Adult</b>	<b>162mm</b>	<b>#GL-367-3</b>
<b>Size 4, Large Adult</b>	<b>199mm</b>	<b>#GL-367-4</b>

# Laryngoscopes GreenLine Fiber Optic

## Miller Blades

### Miller, English Profile (Standard)

A popular straight blade where the flange is reduced to minimize trauma and the curve at the tip is extended to improve lifting of the epiglottis, facilitating greater exposure of the larynx in difficult cases. The light bundle is on the left side (std) unless indicated.

<b>#GL-366-00</b>	<b>64mm</b>	<b>Premature, Size 00</b>
<b>#GL-366-0</b>	<b>75mm</b>	<b>Newborn, Size 0</b>
<b>#GL-366-1</b>	<b>102mm</b>	<b>Infant, Size 1</b>
<b>#GL-366-1.5</b>	<b>126mm</b>	<b>Pediatric, Size 1.5</b>
<b>#GL-366-2</b>	<b>155mm</b>	<b>Child, Size 2</b>
<b>#GL-366-2-BR</b>	<b>155mm</b>	<b>Bundle Right, Size 2</b>
<b>#GL-366-3</b>	<b>195mm</b>	<b>Medium Adult, Size 3</b>
<b>#GL-366-3-BR</b>	<b>195mm</b>	<b>Bundle Right, Size 3</b>
<b>#GL-366-4</b>	<b>205mm</b>	<b>Large Adult, Size 4</b>
<b>#GL-366-6</b>		<b>Complete Set</b>

Includes blades Size 0, 1, 2, 3, 4, std handle, spare bulb, plastic case/foam.

### Miller, German Profile

Similar to English style, but with an integrated fiber optic bundle. Eliminates cracks and crevices that trap debris. Reduces pinch points. Bundle not removable.

<b>#GL-GP-366-00</b>	<b>65mm</b>	<b>Premature, Size 00</b>
<b>#GL-GP-366-0</b>	<b>77mm</b>	<b>Neonate, Size 0</b>
<b>#GL-GP-366-1</b>	<b>110mm</b>	<b>Infant, Size 1</b>
<b>#GL-GP-366-2</b>	<b>152mm</b>	<b>Child, Size 2</b>
<b>#GL-GP-366-3</b>	<b>192mm</b>	<b>Adult, Size 3</b>
<b>#GL-GP-366-4</b>	<b>207mm</b>	<b>Adult, Size 4</b>
<b>#GL-GP-366-6</b>		<b>Complete Set</b>

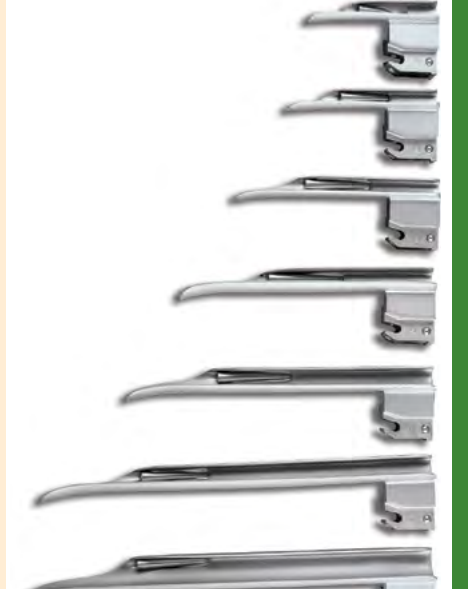
Includes blades Size 00, 0, 1, 2, 3, std handle, spare bulb, plastic case/foam

### Miller Modified

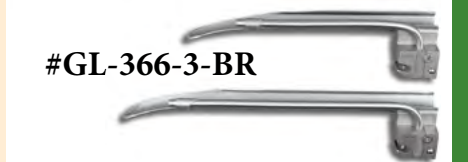
While retaining the extended curved tip to facilitate lifting the epiglottis, this blade has eliminated the flange to allow insertion through a restricted opening and decrease potential for damage to the upper teeth.

<b>#GL-364-0</b>	<b>75mm</b>	<b>Newborn, Size 0</b>
<b>#GL-364-1</b>	<b>102mm</b>	<b>Infant, Size 1</b>
<b>#GL-364-2</b>	<b>155mm</b>	<b>Child, Size 2</b>
<b>#GL-364-3</b>	<b>195mm</b>	<b>Medium Adult, Size 3</b>

#GL-366



#GL-366-2-BR



#GL-366-3-BR



#GL-GP-366



#GL-364



# Laryngoscopes GreenLine Fiber Optic

## Specialty Blades

### Phillips

Integrates the preferred straight Jackson design with the curved distal tip Miller design to provide greater visibility and an almost direct line approach to the trachea during intubation. Unique light bundle mounting provides deep illumination downward and inward, while the low profile flange reduces the risks of oral damage.

**Size 1, Pediatric** 113mm #GL-370-1  
**Size 2, Adult** 166mm #GL-370-2

**Snow (Size 3, Medium Adult, 162mm)** #GL-372-3

A modification that includes the Miller spatula and the Wis-Foregger (Wisconsin modification) flange to reduce trauma during intubation. Especially for use with the Sanders tube. Curving back from the distal end, it provides a convenient visual field.

**Whitehead (Size 3, Medium Adult, 162mm)** #GL-373-3

A modification of the Wisconsin blade with a reduced flange to increase visualization, facilitate intubation, and reduce the possibility of damage to the incisors.

**Blechman (Size 3, Medium Adult, 142mm)** #GL-376-3

This modification of the Macintosh blade has the tip angled to further elevate the epiglottis in a short spine patient. The ability to sweep the tongue left, tip the blade upward, and view from the right side, is enhanced due to significant removal of the flange material near the proximal portion of the blade.

### Flangless Mac/Bizzarri-Gluffrida

A modification of the Mac. Blade with the upper flange removed. Especially well suited for use in patients with limited mouth opening, prominent incisors, receding mandible, short thick neck or having the larynx in an extreme anterior anatomical position. The absence of the flange greatly reduces the chances of trauma during Laryngoscopy.

**Size 3, Medium Adult** 130mm #GL-374-3  
**Size 4, Large Adult** 158mm #GL-374-4

**Siker-Mirror (Size 4, Adult, 158mm)** #GL-371-4

For patients with anatomical variations which make intubation with standard blades difficult or impossible. Three joined segments (135° angle) with the middle being a stainless steel mirror surface facing the spatula, allows a view of the blade tip area. (Note, Use Caution: The image is inverted in the mirror). Placing the blade in a warming tray prior to use will avoid mirror fogging.

**Oxford (Size 1, Infant, 102mm)** #GL-357

Suitable for premature infants, babies and children up to the age of four. A large overhang on the open side prevents the lips from obscuring vision and the broad, flat lower surface is a help in children with an extreme degree of cleft palate.

#GL-370



#GL-372-3



#GL-373-3



#GL-376-3



#GL-374



#GL-371-4



#GL-357



# Laryngoscopes GreenLine Fiber Optic

## Specialty Blades

**#GL-377-1** **Soper (Infant, Size 1, 100mm)**

This blade combines the "Z" section (outward flange) of the Macintosh design with the straight form of blades common to the orthodox patterns.

### Seward

Originally produced as an infant blade for use in asphyxia neonatorum, this pattern is now available in two sizes extending its usefulness to older children.

**#GL-358-1** 105mm **Infant, Size 1**  
**#GL-358-2** 130mm **Child, Size 2**

### Robertshaw

For infants and children, it is gently curved over the distal third and designed to lift the epiglottis indirectly (like the Mac). The blade shape permits binocular vision allowing better judgment of depth and less risk of trauma.

**#GL-359-0** 94mm **Neonate, Size 0**  
**#GL-359-1** 112mm **Infant, Size 1**

### Wis-Hipple

A modification of the Wisconsin blade with a straight spatula and a large circular flange, designed primarily for use in infants. The flange tends to be straighter and run parallel to the spatula. The tip or beak of the Wis-Hipple is wider and well adapted for lifting the epiglottis.

**#GL-369-00** 64mm **Neonate, Size 00**  
**#GL-369-0** 80mm **Infant, Size 0**  
**#GL-369-1** 102mm **Infant, Size 1**  
**#GL-369-1.5** 115mm **Infant, Size 1.5**

### Miller-Port with O<sub>2</sub>/ Suction Port

An addition to the Miller blade that allows laryngoscopy and intubation with less risk of hypoxia. A built-in tube permits delivery of oxygen or other gas mixtures. Can also be used as a small diameter suction line.

**#GL-361-0** 75mm **Newborn, Size 0**  
**#GL-361-1** 102mm **Infant, Size 1**

## GreenLine Accessories

**#GL-356-N** **Xenon Replacement Lamp**

Replacement #10-32 Xenon lamp for Direct Fit & Blue Base contacts

**#GL-356-R** **Xenon Replacement Lamp**

Replacement #10-32 Xenon lamp w/ reflector for Red Base contacts

**#GL-356** **Xenon Replacement Lamp**

Replacement 3.5mm Xenon lamp for older Black Base handles contacts

**#GL-XXX-X-1** **Replacement Fiber Optic Bundles**

Replacement Fiber Optic bundles are available for all GreenLine blades with removable bundles.

#GL-377-1



#GL-358



#GL-359



#GL-369



#GL-361



#GL-356, -R, -N



# Laryngoscope Accessories

## GreenLine & Conventional

### Howland Lock

The Howland lock provides natural lifting action and simplifies laryngeal exposure, making intubation possible even in the most difficult cases (receding chin, anterior larynx, protruding teeth, "bull neck", facial constrictures, decreased jaw mobility, etc.). Built-in leverage prevents prying and reduces the possibility of broken teeth. Can often make an otherwise certain tracheotomy unnecessary. Adapts to all types of "green coded" laryngoscope handles and blades. Also available for all conventional laryngoscope handles and blades.

**GreenLine Fiber Optic** #GL-343  
**Conventional** #00-343

### Cases, Laryngoscope

Durable and versatile, these cases are designed with foam cutouts to hold four curved blades or 5 straight blades or 2 flex-tip blades, two bulbs, and a handle. Size 2"x9"x10".

**Curved Blade Case** #00-360-C  
**Straight Blade Case** #00-360-S  
**Flex-Tip Blade Case** #00-360-F  
**Straight and Curved Blade Case** #00-360-SC

### Macintosh Prisms

The Anesthesia Associates Macintosh Prism is available in three sizes to fit three popular Macintosh Laryngoscope Blades (sizes 2, 3, and 4) working with either Conventional or Fiber Optic styles. Clipped to the vertical wall of the appropriate size Macintosh Blade, this Prism is used when the view of the vocal cords is impaired during nasal intubation, and for post-operative examination of the larynx. It consists of an optically polished Prism (with attachment clip) that provides a refraction of 30° without image inversion.

**Prism to fit Mac blade size 2** #00-349-2  
**Prism to fit Mac blade size 3** #00-349-3  
**Prism to fit Mac blade size 4** #00-349-4  
**Prism set (1 each size 2, 3, & 4)** #00-349-5

## Conventional Accessories

### Replacement Lamps 2.5v

**Standard (frosted) pkg of 12**  
 Large #00-347  
 Small #00-348

**Pre-focused (clear) pkg of 5**  
 Large #00-355  
 Small #00-356

**Extra Bright (clear) pkg of 5**  
 Large #00-355-XB  
 Small #00-356-XB

Superior gas charge in bulb, parabolic reflector (large size), 400% more light output relative to standard.

## Conventional Laryngoscopes

### Handles

A complete range of conventional (bulb in blade) laryngoscope handles expertly fabricated from brass, polished, and durably plated with chrome. Handles are available in a variety of sizes and configurations to assist in both routine and difficult intubations.

**#00-350 Standard (29mm x 140mm)**  
 Lightweight standard. Requires two "C" size batteries (#P-154-C).

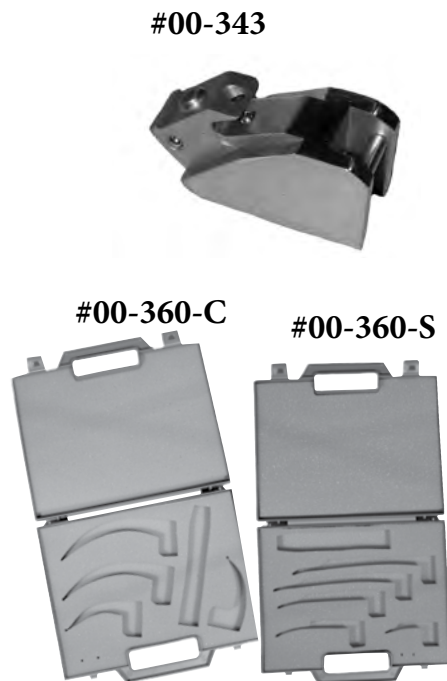
**#00-354 Penlite (19mm x 140mm)**  
 Slender profile. Requires two "AA" size batteries (#P-154-AA).

**#00-336 Pediatric (16mm x 100mm)**  
 Tiny and short. Requires two "N" size batteries (#P-154-N).

**#00-341 Large (38mm x 170mm)**  
 Large and stout. Requires two "D" size batteries (#P-154-D).

**#00-342 Bantam (32mm x 100mm)**  
 Shorter and lighter than the Standard. The Bantam handle is designed to accommodate the difficult intubation on a short neck, barrel-chested or large bosomed individual where the distance between the mouth and the chest prohibits the use of a standard length handle. The size is such that it accommodates the normal sized hand and can be used on a routine basis by most people. Requires two "AA" size batteries (#P-154-AA).

**#00-340 Adjustable (32mm x 130mm) (Patil-Syracuse)**  
 Similar in size and weight to the Standard, yet readily allows the blade to be firmly locked at four different angles for a variety of special uses:  
 45° - Howland Lock position, natural lift for bull-neck, anterior larynx  
 90° - Standard position, identical to a Standard handle  
 135° - Polio blade position, clears obstructions, extra room  
 180° - Parallel to handle, for obese, halo-traction, or cervical fractures  
 Requires two "AA" size batteries (#P-154-AA).



#00-365



# Conventional Laryngoscopes

## Blades

A complete line of conventional (bulb in blade) laryngoscope blades fabricated from high quality stainless steel with fine craftsmanship. Blades are available in both American and English Profiles in a wide range of sizes and special configurations.

## Macintosh, English Standard (Curved)

The original English profile with a soft, gentle curvature and a flange starting at the base of the blade and continuing to the tip as it narrows. The left-hand version is invaluable in cases with irregular dentition or a left-handed practitioner.

Size 0	80mm	#00-365-0
Size 1	92mm	#00-365-1
Size 2	100mm	#00-365-2
Size 3	130mm	#00-365-3
Size 3 Left-Handed	130mm	#00-365-3L
Size 4	155mm	#00-365-4
Complete Set		#00-365-6

Includes blades Size 1, 2, 3, 4, std handle, 2 spare bulbs, plastic case/foam.

## Macintosh American Profile (Curved)

The American profile has a slightly more abrupt curvature and a flange that terminates prior to the tip of the blade.

Size 0	80mm	#AP-368-0
Size 1	92mm	#AP-368-1
Size 2	100mm	#AP-368-2
Size 3	130mm	#AP-368-3
Size 3.5	144mm	#AP-368-3.5
Size 4	155mm	#AP-368-4
Complete Set		#AP-368-6

Includes blades Size 1, 2, 3, 4, std handle, 2 spare bulbs, plastic case/foam.

## Macintosh English Channel (EC) - English Profile

Incorporates a special channel to assist visualizing the chords and inserting the ET tube. Includes "Extra Bright" (XB) bulbs.

Size 2	100mm	#AP-378-2
Size 3	130mm	#AP-378-3
Size 3.5	144mm	#AP-378-3.5
Size 4	156mm	#AP-378-4

## Macintosh English Channel (EC) - American Profile

Incorporates a special channel to assist visualizing the chords and inserting the ET tube. Includes "Extra Bright" (XB) bulbs.

Size 2	100mm	#AP-381-2
Size 3	130mm	#AP-381-3
Size 3.5	144mm	#AP-381-3.5
Size 4	156mm	#AP-381-4

# Conventional Laryngoscopes

## Macintosh Reduced Flange (RF, EC) - English Profile

Partial flange removal reduces force on the maxillary incisors and special channel assists in visualizing the chords. Includes "Extra Bright" (XB) bulb.

#AP-379-2	100mm	Size 2
#AP-379-3	130mm	Size 3
#AP-379-3.5	144mm	Size 3.5
#AP-379-4	155mm	Size 4

## Macintosh "Flex-Tip" EC Blade with Articulating Tip

The versatile Flex-Tip "English Channel" (EC) Macintosh style curved blade is designed for the ultimate in clinician flexibility of use. A lever positioned along the handle (but attached to the blade) controls the flexing motion of the distal tip of the blade. The Flex-Tip blade is ideal for difficult intubations where controlled elevation of the epiglottis is desired with reduced force on the patient. It is extremely useful when encountering displaced larynx, teeth, tongue or mandible as well as with spinal injuries and neck stiffness. Available in three blade sizes with "extra bright" (XB) bulbs

#AP-380-2	Flex-Tip EC Mac conventional blade	Size 2
#AP-380-3	Flex-Tip EC Mac conventional blade	Size 3
#AP-380-4	Flex-Tip EC Mac conventional blade	Size 4
#AP-380-6		Complete Set

Includes blades Size 3, 4, std handle, spare bulb, plastic case/foam

## Miller English Profile (Standard)

A popular straight blade where the flange is reduced to minimize trauma and the curve at the tip is extended to improve lifting of the epiglottis, facilitating greater exposure of the larynx in difficult cases.

#00-366-0	75mm	Newborn, Size 0
#00-366-1	102mm	Infant, Size 1
#00-366-2	153mm	Med. Adult, Size 2
#00-366-3	195mm	Child, Size 3
#00-366-4	205mm	Large Adult, Size 4
#00-366-6	—	Complete Set

Includes blades Size 0, 1, 2, 3, 4, std handle, spare bulb, plastic case/foam.

## Miller American Profile

Similar to the English profile but includes polished surfaces and certain tip "covers".

#AP-366-00	65mm	Premature, Size 00
#AP-366-0	75mm	Newborn, Size 0
#AP-366-1	102mm	Infant, Size 1
#AP-366-1.5	126mm	Pediatric, Size 1.5
#AP-366-2	153mm (BR)	Child, Size 2
#AP-366-3	195mm (BR)	Med. Adult, Size 3
#AP-366-4	205mm (BR)	Large Adult, Size 4
#AP-366-6	—	Complete Set

Includes blades Size 0, 1, 2, 3, 4, std handle, spare bulb, plastic case/foam.

#AP-379



#AP-380



#00-366



#AP-366



# Conventional Laryngoscopes

# Conventional Laryngoscopes



#00-364

## Miller, Modified (Upper Flange Removed)

While retaining the extended curved tip to facilitate lifting the epiglottis, this blade has the flange removed to allow insertion through a restricted opening and decrease potential for damage to the upper teeth.

<b>Size 0, Newborn</b>	<b>75mm</b>	<b>#00-364-0</b>
<b>Size 1, Infant</b>	<b>102mm</b>	<b>#00-364-1</b>
<b>Size 2, Child</b>	<b>155mm</b>	<b>#00-364-2</b>
<b>Size 3, Med. Adult</b>	<b>195mm</b>	<b>#00-364-3</b>
<b>Size 4, Large Adult</b>	<b>205mm</b>	<b>#00-364-4</b>

#00-361



## Miller-Port with O<sub>2</sub>/ Suction Port

An addition to the Miller blade that allows laryngoscopy and intubation with less risk of hypoxia. A built-in tube permits delivery of oxygen or other gas mixtures. Can also be used as a small diameter suction line.

<b>Size 0, Newborn</b>	<b>75mm</b>	<b>#00-361-0</b>
<b>Size 1, Infant</b>	<b>102mm</b>	<b>#00-361-1</b>

#AP-370



## Phillips

Integrates the preferred straight Jackson design with the curved distal tip Miller design to provide greater visibility and an almost direct line approach to the trachea during intubation. Unique light bundle mounting provides deep illumination downward and inward, while the low profile flange reduces the risks of oral damage.

<b>Pediatric, Size 1</b>	<b>113mm</b>	<b>#AP-370-1</b>
<b>Adult, Size 2</b>	<b>166mm</b>	<b>#AP-370-2</b>

#00-359



## Robertshaw

For infants and children, it is gently curved over the distal third and designed to lift the epiglottis indirectly (like the Mac). The blade shape permits binocular vision allowing better judgment of depth and less risk of trauma.

<b>Size 0, Neonate</b>	<b>94mm</b>	<b>#00-359-1-S</b>
<b>Size 1, Infant</b>	<b>112mm</b>	<b>#00-359-2-S</b>

#00-358



## Seward

Originally produced as an infant blade for use in asphyxia neonatorum, this pattern is now available in two sizes extending its usefulness to older children.

<b>Size 1, Infant</b>	<b>105mm</b>	<b>#00-358-1-S</b>
<b>Size 2, Child</b>	<b>130mm</b>	<b>#00-358-2-S</b>

#AP-372-3



## Snow (Size 3, Medium Adult, 162mm) #AP-372-3

A modification that includes the Miller spatula and the Wis-Foregger (Wisconsin modification) flange to reduce trauma during intubation. Especially for use with the Sanders tube. Curving back from the distal end, it provides a convenient visual field.

#AP-369



## Wis-Hipple

A modification of the Wisconsin blade with a straight spatula and a large circular flange, designed primarily for use in infants. The flange tends to be straighter and run parallel to the spatula. The tip or beak of the Wis-Hipple is wider and well adapted to lifting the epiglottis.

<b>#AP-369-00</b>	<b>64mm</b>	<b>Neonate, Size 00</b>
<b>#AP-369-0</b>	<b>80mm</b>	<b>Infant, Size 0</b>
<b>#AP-369-1</b>	<b>102mm</b>	<b>Infant, Size 1</b>
<b>#AP-369-1.5</b>	<b>115mm</b>	<b>Infant, Size 1.5</b>

## Wisconsin Profile

The Wisconsin blade has a straight spatula and flange that expands slightly toward the distal portion of the blade. This feature increases the visual field and reduces the possibility of trauma during intubation. The distal portion of the blade is wider and formed slightly to the right to better adapt it to lifting the epiglottis.

<b>#AP-367-2</b>	<b>135mm</b>	<b>Child, Size 2</b>
<b>#AP-367-3</b>	<b>162mm</b>	<b>Med. Adult, Size 3</b>
<b>#AP-367-4</b>	<b>199mm</b>	<b>Large Adult, Size 4</b>

#AP-367



## #AP-373-3 (Size 3, Medium Adult, 162mm) Whitehead

A modification of the Wisconsin blade with a reduced flange to increase visualization, facilitate intubation, and reduce the possibility of damage to the incisors.

#AP-373-3



## #AP-371-4 (Size 4, Adult, 158mm) Siker-Mirror

For patients with anatomical variations which make intubation with standard blades difficult or impossible. Three joined segments (135° angle) with the middle being a stainless steel mirror surface facing the spatula, allows a view of the blade tip area. (Note, Use Caution: The image is inverted in the mirror). Placing the blade in a warming tray prior to use will avoid mirror fogging.

#AP-371-4



## #00-357-S (Size 1, Infant, 102mm) Oxford

Suitable for premature infants, babies and children up to the age of four. A large overhang on the open side prevents the lips from obscuring vision and the broad, flat lower surface is a help in children with an extreme degree of cleft palate.

#00-357-S



# Conventional Laryngoscopes

#AP-374



## Flange-Less Mac Bizzarri-Gluffrida

A modification of the Macintosh blade with the upper flange removed. This blade is especially well suited for use in patients with a limited mouth opening, prominent incisors, receding mandible, short thick neck or having the larynx in an extreme anterior anatomic position. The absence of the flange greatly reduces the chances of trauma during laryngoscopy.

<b>Size 3, Medium Adult</b>	<b>130mm</b>	<b>#AP-374-3</b>
<b>Size 4, Adult</b>	<b>158mm</b>	<b>#AP-374-4</b>

#AP-375-3



## Polio (Size 3, Medium Adult, 133mm) #AP-375-3

A modification of the Macintosh blade offset from the handle at an obtuse angle to allow intubation of patients in respirators (iron lungs), body jackets, and other difficult arrangements. English profile.

## Blechman (Size 3, Medium Adult, 142mm) #AP-376-3

This modification of the Macintosh blade has the tip angled to further elevate the epiglottis in a short spine patient. The ability to sweep the tongue left, tip the blade upward, and view from the right side, is enhanced due to significant removal of the flange material near the proximal portion of the blade.

#AP-376-3



## Soper (Size 1, Infant, 100mm) #AP-377-1

This blade combines the "Z" section (outward flange) of the Macintosh design with the straight form of blades common to the orthodox patterns.

#AP-377-1



# Laryngoscope Repair

Both handles and blades from either fiber optic or conventional type laryngoscope systems can be repaired at Anesthesia Associates, Inc. facility. Whether these products are AincA products or not, repairs are performed on a quick turn-around basis and at a reasonable cost. Contact customer service for details.

# Respirometer and Peak Flow Meter Repair Program

## Anesthesia Associates Inc. (AincA) is designated as a:

- Factory trained repair center for Wright Respirometers and Wright Peak Flow Meters.
- ALL Repairs are performed under the supervision of a technician, factory trained by the manufacturer in Great Britain.
- Each unit is tested and calibrated throughout its full range of performance on special test and calibration equipment to manufacturer's specification on manufacturer furnished equipment. Certificates of Calibration are provided with each unit repaired upon request.

## The Wright Respirometer Repair Program:

- Authentic spare parts purchased directly from the manufacturer in Great Britain.
- Speedy service – normal repairs usually take only 10 business days from receipt.
- "Flat-Rate" Repair Program assures predictable prices\*

This program applies to the **Wright Peak Flow Meter** and the following **Wright Respirometers**: Haloscale compact, Haloscale standard, Haloscale Infanta, Mark 8, Mark 12, Mark 14, Mark 20, Mark 25, Mark 30 and Physiological Units.

\*Exclusions: (Note: Excluded units require an Estimate for Repair)

- Units that have exceeded their useful life or suffered excessive damage.
- Units that have internal corrosion (rust).
- Units that are not basically intact when received.
- Units that require replacement of the outer case.
- Accessory cases, liners, adapters and harnesses.
- Units Manufactured by Fraser Harlake, Ohmeda or other "non-Wright" types.

## Other Details:

- Units that require an Estimate for Repair will incur an Estimate Fee, unless repaired. Units will be disassembled to generate the Estimate, and will be reassembled only during the repair process.
- **All units submitted for repair are to be accompanied with a valid Purchase Order Number, a Contact Name and Phone Number, Organization Name and Address, and a Return Shipment Name and Address.**
- Units are shipped F.O.B. repair center (San Marcos, CA, USA).

# Terms and Conditions

**CAUTION:** All products on the Anesthesia Associates, Inc. (Ainca) website and its associated price list are considered "Rx Only". Federal law restricts these devices to sale by or on the order of a physician.

**Prices:** Subject to change without notice (see reference Price List currently in effect).

**Terms:** Net 30 days on approved credit. Credit Card payment requires a 5% convenience fee.

**Service Charge:** 1½% per month on all balances which are over 30 days past due.

**Purchase Orders:** Must be issued in writing by email or fax only. Verbal purchase orders will not be accepted.

**Minimum Order Value:** A minimum product order amount of \$100 (before shipping and/ or fees) must be met for any purchase order to be processed.

**Drop Ship Orders:** Drop Ship Fee of \$15 applies to all approved Drop Ship requests. Shipping of drop ships can only be charged to the dealers collect shipping account or prepaid and added to the invoice (no 3rd party collect shipping). Conditions apply, contact Customer Service for details.

**Part Numbers:** Clearly reference Anesthesia Associates catalog Part Number on your written Purchase Order.

**Shipping Point:** All merchandise is sold FOB San Marcos, California. Under these FOB terms, all goods become the property of the customer upon transfer to carrier. The customer is responsible for movement of goods and transportation costs, and any loss and/or damage which is incurred after goods have been released from FOB point of departure. In the event of loss or damage to merchandise and if a subsequent claim is necessary against the carrier, Anesthesia Associates, Inc. will assist with details, but the responsibility for reporting such loss or damage and filing any claims remains with the customer. Air and truck shipments are on a collect charge basis (unless otherwise requested). UPS, FedEx, Parcel Post, or any special shipments are prepaid and are added to invoice billing.

## Merchandise Returns:

Merchandise may not be returned and will not be accepted for possible credit or exchange without prior authorization and an Anesthesia Associates Returned Goods Authorization (RGA) number. All RGA products must be received by Anesthesia Associates, Inc. within 30 days from RGA issue date. In requesting authorization for return, provide your Purchase Order Number, Anesthesia Associates' Invoice Number and reason for return. All returns are subject to a minimum 25% restocking charge unless due to defect, in which case the merchandise will be replaced or repaired at our discretion. Shipping charges must be prepaid on all returns. The following list of merchandise is not eligible for return unless proven defective (see Warranty):

1. Specially ordered or produced items, or special size/quantity orders.
2. Sterile, rubber, or elastomeric goods.
3. Used merchandise or products not in original packaging.
4. Merchandise held over thirty (30) days from shipment.
5. Merchandise which has been altered or abused in any way.
6. Note: RGAs, once issued, are valid for 30 days only.

# Product Warranty

## Product Warranty, Limitation of Liability:

For a period of one (1) year from the date of shipment of Seller's products hereunder, Seller warrants that, except for rubber, plastic, or other similar materials, at the time of shipment the products conform to the description on the face of the shipping document. SELLER MAKES NO OTHER WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, IN FACT OR BY LAW, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. The liability for products covered by this warranty is limited solely to replacing, repairing, or issuing credit for, at the discretion of Seller, the parts that are found during the warranty period to have been damaged or defective upon shipment, provided that Seller will not be liable under this warranty unless (i) Seller is promptly notified in writing by Buyer upon discovery of such damage or defect; (ii) the defective unit or part is returned to Seller, transportation charges prepaid by Buyer; (iii) the defective unit or part is received by Seller for adjustment no later than four weeks following the last day of warranty period; and (iv) Seller's examination of such unit or part shall disclose, to Seller's satisfaction, that such defects or failures have not been caused by misuse, neglect, improper installation, unauthorized repair or alteration or accident. If the equipment manufactured by Seller consists primarily of parts manufactured by others, Seller will only make available for the Buyer's benefit those warranties which Seller has received from third party manufacturers. Any authorization of Seller for repair or alteration by the Buyer must be in writing to prevent voiding this warranty. SELLER SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES, NOR SHALL SELLER BE LIABLE FOR DAMAGES OF ANY KIND ARISING FROM THE PRESENCE OR USE OF ANY OF SELLER'S PRODUCTS, WHETHER USED SINGLY OR IN COMBINATION WITH OTHER PRODUCTS OR SUBSTANCES. Determination of the suitability of any of Seller's products furnished hereunder for the use contemplated by Buyer is the sole responsibility of Buyer and Seller shall have no responsibility in connection therewith. Buyer assumes all risk and liability for loss, damage or injury to persons or property of Buyer or others arising out of the use or possession of Seller's products. The warranty as hereinabove set forth shall not be enlarged, diminished or affected by, and no obligation or liability shall arise to grow out of, the renderings of technical advice or service in connection with Buyer's order or the products furnished hereunder.

**Repair Warranty:** Customers can submit certain products to Anesthesia Associates for repair regardless of the seller. Anesthesia Associates warrants for 90 days from the date of shipment of the repaired item that repairs performed are sufficient and adequate to allow normal use of the product. Anesthesia Associates must be notified of repair failures within the 90 day period, and is not responsible for failures caused by misuse, neglect, improper installation, unauthorized repair or alteration, accident, or failure of parts outside those repaired. Shipping charges must be prepaid on all warranty repair requests.

**Repair Estimates:** Requests for repairs on Respirometers (or any other item which requires disassembly in order to diagnose the required parts and labor for repairs) may be charged a repair estimate. Unrepaired units may be returned in disassembled condition. Contact Customer Service for details.