



Resuscitation and emergency care products





Introduction

Intersurgical is a leading designer, manufacturer and supplier of a wide range of medical devices for respiratory support.

We provide flexible patient solutions for airway management, anesthesia, critical care, and oxygen & aerosol therapy for use within emergency care, the hospital environment and also in the home.

With over 30 years' experience in this area, we understand the changing and challenging clinical environments and needs of our customers and their patients.

We believe the best way to maintain the highest standards in design, manufacture, quality and customer care is to have complete control of these aspects of our business. This integrated in-house philosophy means we are able to respond quickly and effectively to our customers and consistently meet their requirements.

Innovation is an important aspect of our business in all areas, helping us to deliver high quality products and services while allowing us to provide cost-effective solutions to meet today's needs.

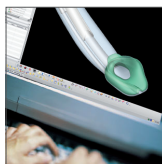
Maintaining these high standards is paramount in everything we do: for our employees, clinicians and patients alike. Driven by these core principles and a commitment to care, Intersurgical is a company you can trust.

With high volumes of products manufactured weekly, quality has to be designed into all aspects of our products, from concept through to final manufacture, incorporating automatic testing to ensure product integrity.

Intersurgical is certified to meet the Quality Management System requirements of ISO 9001 and ISO 13485. Intersurgical is an FDA registered and inspected company with adherence to the Quality System Regulations.

We are also committed to lowering the environmental impact of our products and services and have implemented an Environmental Policy.

Be assured we can provide a solution for your needs.



Our company goal:

**'To provide the most comprehensive range of respiratory products;
offering quality, innovation and choice'**

i-gel® O₂ Resus Pack

The i-gel O₂ Resus Pack puts the things you need at your fingertips. The pack contains an i-gel O₂ 2nd generation supraglottic airway, with an easily removable inner tray containing a sachet of lubricant and airway support strap, all packaged in a specially designed clear, sterile rigid pack. This unique design ensures protection of the contents, both in transit and in storage. The i-gel O₂ has a color-coded hook ring to allow quick and easy identification of size. The i-gel O₂ Resus Pack is available in three adult sizes.




www.i-gel.com

▶ Video available at www.intersurgical.com



Pack contents






Supplementary oxygen port

For the administration of passive oxygenation as a component of cardiocerebral resuscitation (CCR)

Color-coded hook ring

To secure the i-gel O₂ in position with the airway support strap



Code	Description	Weight	Box Qty.
8705030	i-gel O ₂ Resus Pack, large adult – includes a size 5 i-gel O ₂ with orange hook ring, sachet of lubricant and airway support strap	90+kg (200+lbs)	6 
8704030	i-gel O ₂ Resus Pack, medium adult – includes a size 4 i-gel O ₂ with green hook ring, sachet of lubricant and airway support strap	50–90kg (110–200lbs)	6 
8703030	i-gel O ₂ Resus Pack, small adult – includes a size 3 i-gel O ₂ with yellow hook ring, sachet of lubricant and airway support strap	30–60kg (65–130lbs)	6 

 Sterile

i-gel® supraglottic airway



i-gel is a truly unique, single use, latex and PVC free 2nd generation supraglottic airway management device that represents the culmination of years of extensive research and development. Made from a medical grade thermoplastic elastomer, i-gel has been designed to create a non-inflating, anatomical seal of the pharyngeal, laryngeal and perilaryngeal structures while avoiding compression trauma. i-gel is currently available in seven sizes and is supplied in an innovative, color-coded polypropylene protective cradle or cage pack.

www.i-gel.com

▶ Video available at www.intersurgical.com



15mm connector

Reliable connection to any standard catheter mount or connection

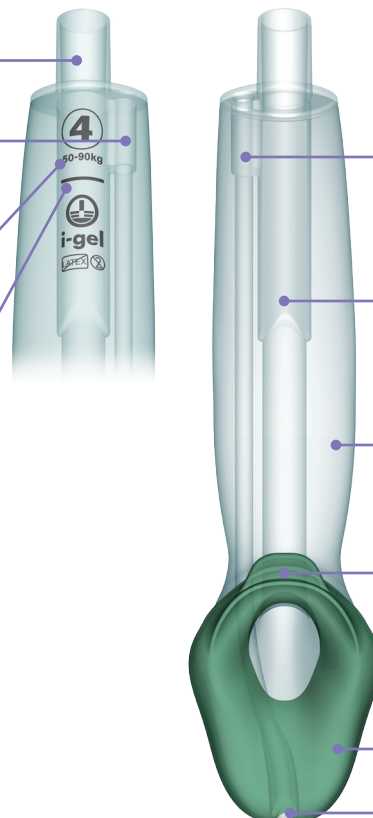
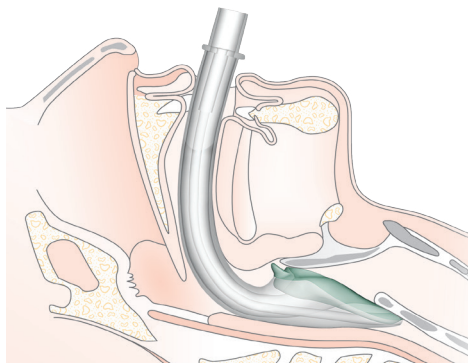
Proximal end of gastric channel

Clearly displayed product information

For quick, easy reference. Includes confirmation of size and weight guidance

Position guide (adult sizes only)

Easy confirmation of optimum insertion depth



Gastric channel

The i-gel incorporates a gastric channel (except size 1). It provides an early warning of regurgitation, allows for the passing of a nasogastric tube to empty stomach contents and facilitates venting

Integral bite block

Reduces the possibility of airway channel occlusion

Buccal cavity stabilizer

Aids insertion and eliminates the potential for rotation

Epiglottic rest

Reduces the possibility of epiglottic 'down folding' and airway obstruction

The non-inflating cuff

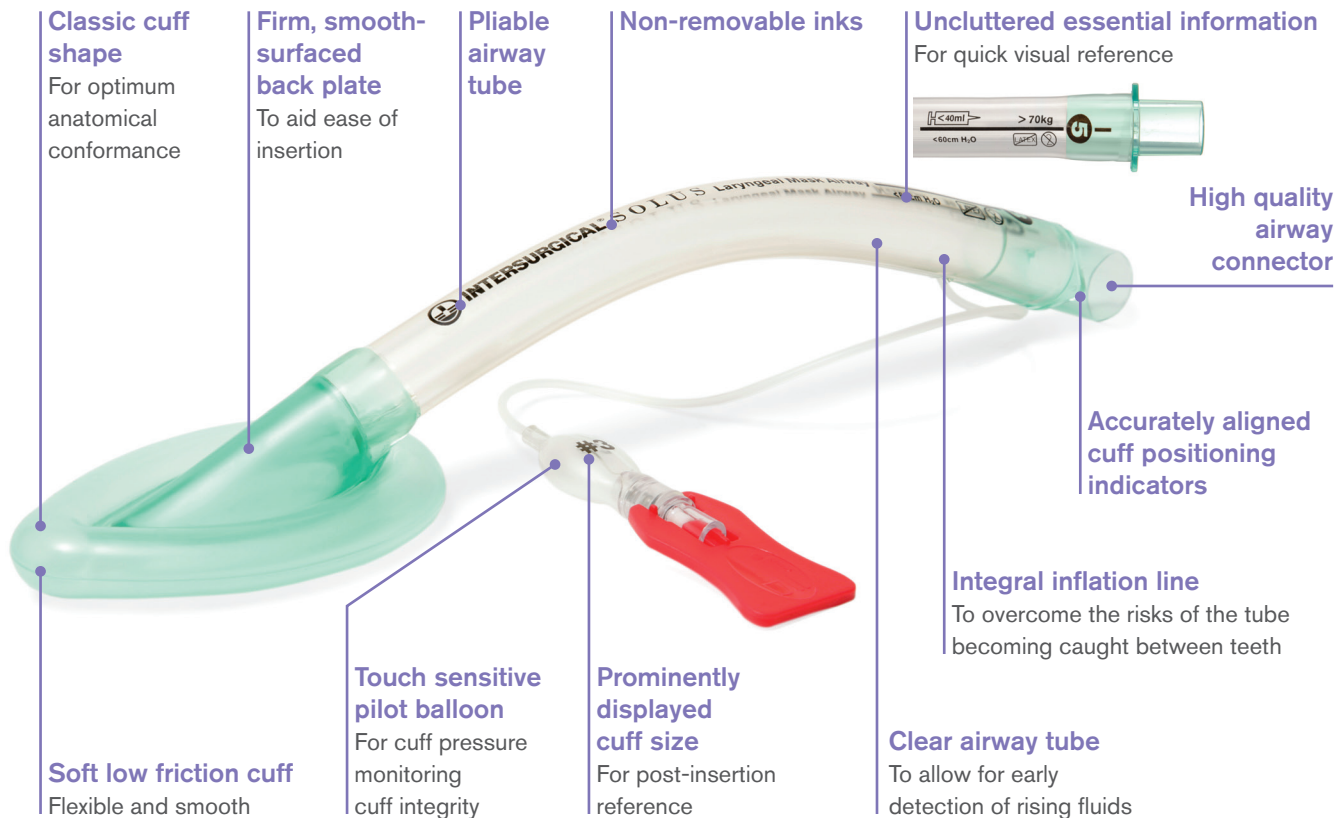
Made from a unique soft gel-like material allowing ease of insertion and reduced trauma

Distal end of gastric channel

Code	Description	Size	Weight	Box Qty.
8205030	i-gel, large adult, supraglottic airway	5	90+kg (200+lbs)	25
8204030	i-gel, medium adult, supraglottic airway	4	50–90kg (110–200lbs)	25
8203030	i-gel, small adult, supraglottic airway	3	30–60kg (65–130lbs)	25
8225030	i-gel, large pediatric, supraglottic airway	2.5	25–35kg (55–77lbs)	10
8202030	i-gel, small pediatric, supraglottic airway	2	10–25kg (22–55lbs)	10
8215030	i-gel, infant, supraglottic airway	1.5	5–12kg (11–25lbs)	10
8201030	i-gel, neonate, supraglottic airway	1	2–5kg (5–11lbs)	10

Solus™ Standard laryngeal mask airways

A comprehensive range of single use laryngeal mask airways suitable for emergency medicine, including the Solus Standard and the soft compound Solus Satin.



In addition to the i-gel® we also offer the Solus range of single-use laryngeal mask airways which incorporate all of the traditional design features of such a device which makes it ideally suited for use in cardiopulmonary resuscitation. This quality product is provided at a price which is competitive and cost-effective. For this reason it is the perfect complement to your resuscitation supplies. It is provided sterile and ready to use.






Code	Description	Size	Weight	Box Qty.	
8005000	Solus Standard, large adult, laryngeal mask airway	5	70+kg	20	Ⓢ
8004000	Solus Standard, medium adult, laryngeal mask airway	4	50–70kg	20	Ⓢ
8003000	Solus Standard, small adult, laryngeal mask airway	3	30–50kg	20	Ⓢ
8025000	Solus Standard, large pediatric, laryngeal mask airway	2.5	20–30kg	20	Ⓢ
8002000	Solus Standard, small pediatric, laryngeal mask airway	2	10–20kg	20	Ⓢ
8015000	Solus Standard, infant, laryngeal mask airway	1.5	5–10kg	20	Ⓢ
8001000	Solus Standard, neonate, laryngeal mask airway	1	<5kg	20	Ⓢ

Solus™ Satin

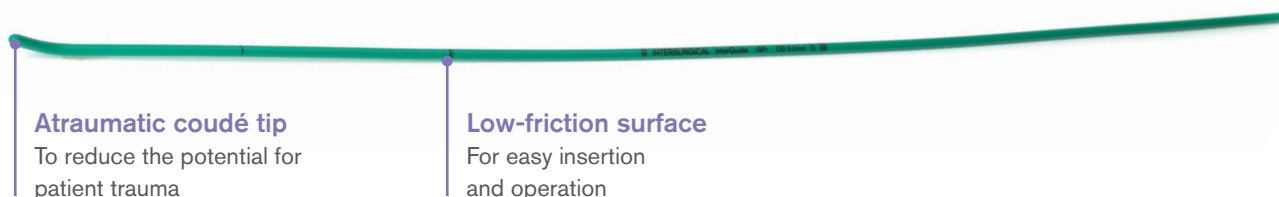
Solus Satin is our range of single use laryngeal mask airways featuring a softer airway tube to provide more flexibility.






Code	Description	Size	Weight	Box Qty.
8005003	Solus Satin, large adult, laryngeal mask airway	5	70+kg	20 
8004003	Solus Satin, medium adult, laryngeal mask airway	4	50–70kg	20 
8003003	Solus Satin, small adult, laryngeal mask airway	3	30–50kg	20 

InterGuide tracheal tube introducer bougie

InterGuide is a flexible tracheal tube introducer commonly known as a bougie. It allows positive location of the trachea and subsequent placement of the endotracheal tube in difficult airway situations. Supplied sterile, individually packaged, latex free and for single use.



Code	Description	Size	Outer Diameter (OD)	Length	Box Qty.
8070015	InterGuide tracheal tube introducer bougie	15FR	5.0mm	700mm	10 
8070010	InterGuide tracheal tube introducer bougie	10FR	3.3mm	700mm	10 
8070006	InterGuide tracheal tube introducer bougie	6FR	2.0mm	530mm	10 

InterForm intubation stylet


InterForm is a malleable endotracheal stylet, allowing the user to form the endotracheal tube into a suitable shape to ease insertion and give more control of the airway device. Supplied sterile, individually packaged, latex free and for single use.



Low-friction surface
For easy insertion and removal



Aluminium core
Allows user to easily form suitable shapes

Code	Description	Size	Outer Diameter (OD)	Length	Box Qty.
8080014	InterForm intubation stylet	14FR	4.7mm	340mm	10 
8080010	InterForm intubation stylet	10FR	3.3mm	340mm	10 
8080006	InterForm intubation stylet	6FR	2.0mm	275mm	10 

EndoFlex®

The endotracheal tube with the flexible, adjustable tip for every clinical situation.

Unlike other endotracheal tubes, EndoFlex enables practitioners to rapidly and safely manipulate the distal tip of the tube into position, in a variety of situations – without switching tubes or using a stylet.

Faster

Just adjust the tip

Easier

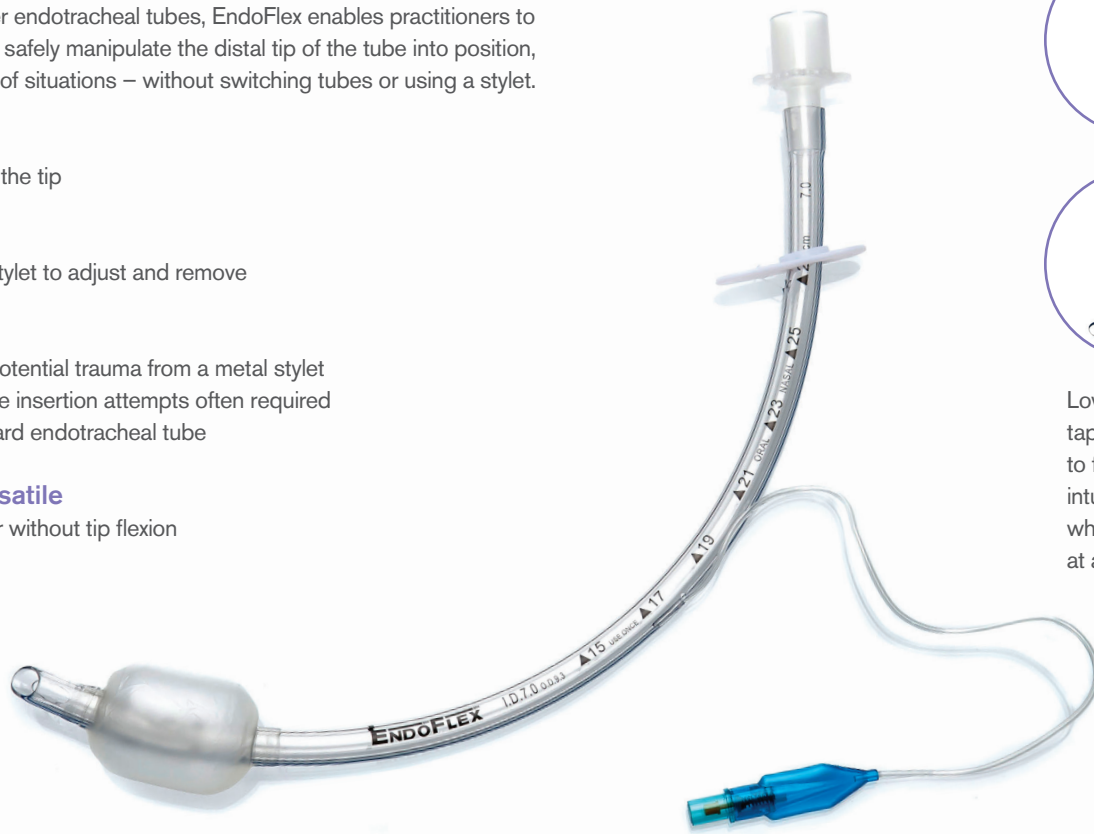
No metal stylet to adjust and remove

Safer

Reduces potential trauma from a metal stylet and multiple insertion attempts often required with standard endotracheal tube

More versatile

Use with or without tip flexion



Low volume / tapered cuff to facilitate intubation when space is at a minimum

Tracheal tube rounded cuff

illustrated

Code	Description	Size (ID)	Size (OD)	Length	Box Qty.
121080	Tracheal tube rounded cuff	8.0mm	10.7mm	335mm	10
121075	Tracheal tube rounded cuff	7.5mm	10.0mm	325mm	10
121070	Tracheal tube rounded cuff	7.0mm	9.3mm	315mm	10

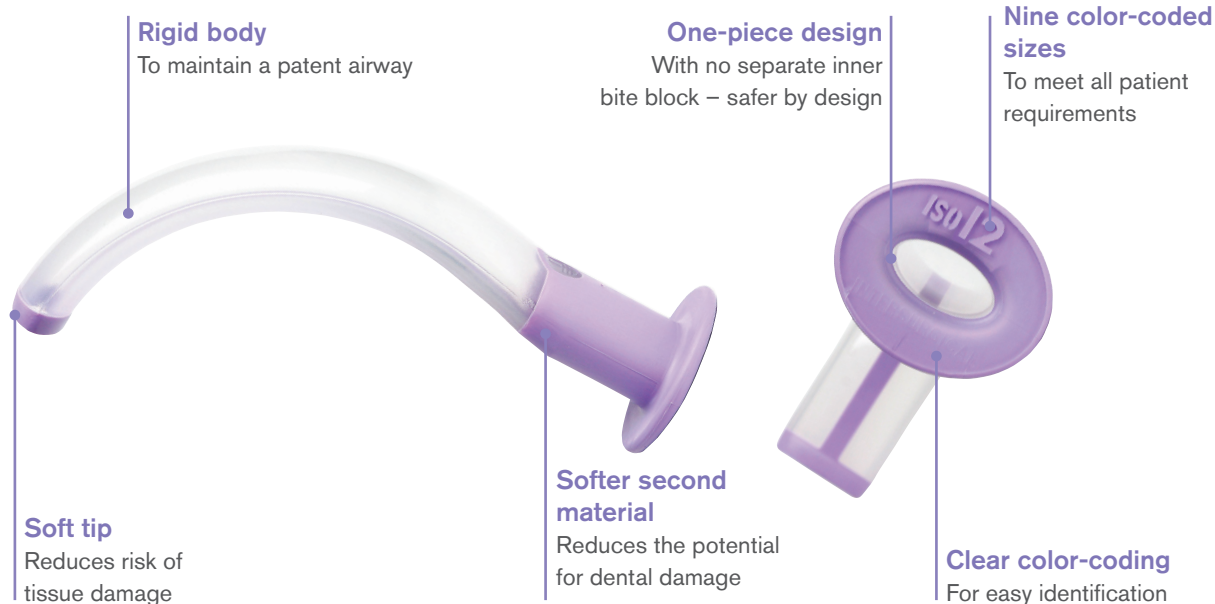
Tracheal tube tapered cuff

Code	Description	Size (ID)	Size (OD)	Length	Box Qty.
122080	Tracheal tube tapered cuff	8.0mm	10.7mm	335mm	10
122075	Tracheal tube tapered cuff	7.5mm	10.0mm	325mm	10
122070	Tracheal tube tapered cuff	7.0mm	9.3mm	315mm	10

One-piece Guedel airways

Safer by design

By utilizing the latest manufacturing technology Intersurgical has produced the first major breakthrough in Guedel airway design in 30 years. Combining two materials with very different physical characteristics into one moulding, our one-piece design eliminates the separate bite block found in all conventional Guedel airways. Loose or detached bite blocks constitute a real threat to patient safety and have been the subject of several hazard notices in the past. Our one-piece design overcomes all of the associated risks, as well as improves safety. The one-piece also incorporates a soft tip, reducing the risk of trauma to the patient.



Code	Description	Size	ISO	Box Qty.	
1115030	One-piece Guedel airway, purple, 120mm	5	12.0	50	
1114030	One-piece Guedel airway, red, 100mm	4	10.0	50	
1113030	One-piece Guedel airway, orange, 90mm	3	9.0	50	
1112030	One-piece Guedel airway, green, 80mm	2	8.0	50	
1111031	One-piece Guedel airway, yellow, 70mm	1.5	7.0	50	
1111030	One-piece Guedel airway, white, 65mm	1	6.5	50	
1110030	One-piece Guedel airway, grey, 55mm	0	5.5	50	
11006000	One-piece Guedel airway, blue, 50mm	00	5.0	50	
10006000	One-piece Guedel airway, pink, 35mm	000	3.5	50	

Why use a breathing filter?

Breathing filters are designed to prevent microbial cross contamination via anesthetic or ventilator breathing systems. Their use is now widely recognized as beneficial and is recommended by a number of Anesthetic Associations¹.

The threat to patients is varied

Patients undergoing anesthesia may be threatened by cross contamination via the equipment or systems used earlier on an unsuspected but infective case. Documented areas of concern regarding infection from breathing systems include *Hepatitis C* and *Mycobacterium tuberculosis*.

Long-term ventilated patients may be at risk from pseudomonal growth in a water bath humidifier. Staff too may be at risk from atmospheric pollutants via ventilator exhausts. The strategic use of an effective breathing filter protects both the patient and equipment bidirectionally. The inclusion of a filter in a breathing system is often beneficial in financial terms since the ventilator is protected against potential cross contaminants generated by the patient.

Proven efficiency

The Intersurgical range of breathing filters has been designed for the protection of the patient, breathing system and equipment. They have been independently tested and proven to be highly efficient in preventing the passage of bacteria and viruses.

Features of Intersurgical breathing filters

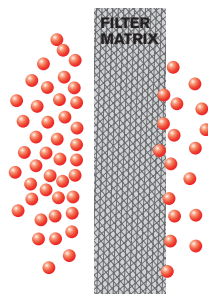
The Intersurgical range of breathing filters offers a choice of pleated and electrostatic filters, providing the most appropriate product for each clinical situation.

- Validated filtration efficiency²
- Proven filtration against *Mycobacterium tuberculosis* and *Hepatitis C*
- Proven efficiency not affected by anesthetic agent
- Safe inert material
- Option of patient connections – supplied packaged and ready for use
- Lightweight – reduces patient trauma
- Low volume – reduces rebreathing of CO₂
- Low resistance to flow

The CDC has recommended the use of HEPA filters (99.97% minimum efficiency at 0.3 micron particle size). Intersurgical offers a wide variety of breathing filters ranging from 99.999% efficiency at 0.017 microns to a standard 99.9% efficient filter.

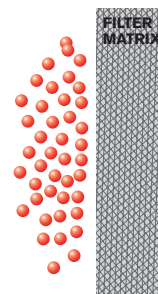
Filtration Efficiency based on a challenge of 100,000 Microbes

99.9% efficiency



100 have the potential for breakthrough

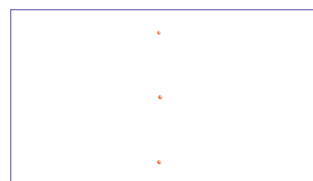
99.999% efficiency



Only 1 has the potential for breakthrough

Intersurgical test viruses/bacteria

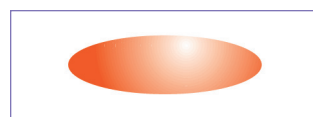
[Particle sizes μ microns]



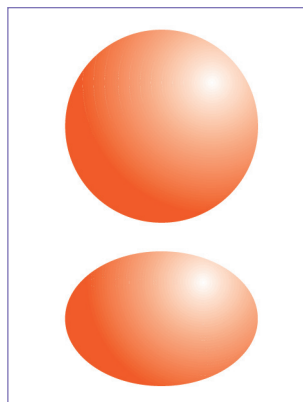
Coliphage T1 [0.017 μ]

MS-2 coliphage [0.02 μ]

Hepatitis C [0.03 μ]



Mycobacterium tuberculosis
[0.3 μ x 1.0 μ smallest size]



Staphylococcus aureus [1.0 μ]

Bacillus subtilis [1.0 μ x 0.7 μ]

References

- Association of Anaesthetists of Great Britain and Ireland 1996. Danish Society of Anaesthetists 1998. French Society of Anaesthetists 1998.
- All filters are independently validated for filtration efficiency at the Health Protection Agency, Porton Down, Salisbury, Wiltshire, U.K and Nelson laboratories Inc, USA

The breathing filter range

The Intersurgical range of breathing filters has been designed for the protection of the patient, breathing system, and equipment.

Filta-Guard™

High-efficiency

The high-efficiency Filta-Guard is a dedicated breathing filter designed for use in breathing systems in anesthesia and intensive care, for the protection of the patient, hospital personnel and the equipment from potential microbial contamination. The Flow diffuser improves performance and optimizes resistance to flow.



Code	1944030
Box Qty.	40
Bacterial and viral filtration efficiency	99.999%
Resistance to flow at 30L/min	1.1cm H ₂ O
Resistance to flow at 60L/min	2.1cm H ₂ O
Compressible volume	67ml
Weight	40g
Connectors	22ID – 22OD/15ID
Minimum tidal volume	200ml

Clear-Guard™ Midi

The Clear-Guard Midi has been designed for use in breathing and anesthetic systems for the protection of the patient, hospital personnel and the equipment from potential microbial contamination. The Clear-Guard Midi low volume filter provides an option with minimum deadspace; it is ideal for use in anesthesia.



Code	1644030
Box Qty.	50
Luer lock port	✓
Bacterial filtration efficiency	99.9%
Viral filtration efficiency	
Resistance to flow at 30L/min	0.8cm H ₂ O
Resistance to flow at 60L/min	1.7cm H ₂ O
Compressible volume	34ml
Weight	19g
Connectors	22ID – 22OD/15ID
Minimum tidal volume	100ml

Hydro-Guard™ range

Pleated membrane filter

A versatile, low-volume breathing filter with a pleated mechanical membrane for use in anesthesia as an HMEF (moisture return: 24.3mg H₂O/L at VT 500ml), or in ICU as a filter only.



Code	1745030
Box Qty.	40
Luer lock port	✓
Bacterial filtration efficiency	99.99999%
Viral filtration efficiency	99.9999%
Resistance to flow at 30L/min	1.3cm H ₂ O
Resistance to flow at 60L/min	2.6cm H ₂ O
Compressible volume	63ml
Weight	30g
Connectors	22ID/15OD – 22OD/15ID
Minimum tidal volume	200ml

Air-Guard™

For use in respiratory systems and oxygen concentrators

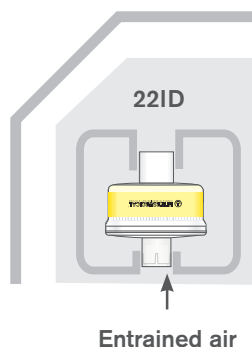
The Air-Guard Clear filter is a hydrophobic pleated mechanical membrane filter, designed for the protection of oxygen concentrator machines and other respiratory equipment.

Please note: this product is contraindicated for use at the patient connection end of the breathing system.

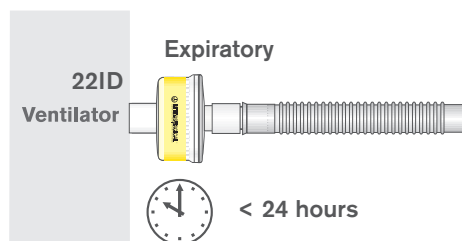


Code	1790030
Box Qty.	50
Bacterial filtration efficiency	99.99999%
Viral filtration efficiency	99.9999%
Resistance to flow at 30L/min	0.7cm H ₂ O
Resistance to flow at 60L/min	1.7cm H ₂ O
Compressible volume	120ml
Weight	56g
Connectors	22ID – 22OD/15ID

Oxygen concentrator protection



Respiratory system protection



The Heat and Moisture Exchanging Filters (HMEFs)

Our range of Heat and Moisture Exchanging Filters (HMEFs) combines the filtration efficiency of dedicated breathing filters with optimum moisture return provided by the addition of an HME element. Designed for use at the patient connection.

Filta-Therm™ range



Code	19416500	19426500	19426502
Box Qty.	20	20	20
Luer lock port	✓		
Moisture return *	29mg H ₂ O/L	29mg H ₂ O/L	29mg H ₂ O/L
Bacterial and viral filtration efficiency	99.999%	99.999%	99.999%
Resistance at 30L/min *	1.2cm H ₂ O	1.2cm H ₂ O	1.2cm H ₂ O
Resistance at 60L/min *	3.0cm H ₂ O	3.0cm H ₂ O	3.0cm H ₂ O
Compressible volume *	67ml	66ml	66ml
Weight *	43g	42g	42g
Connectors	22ID/15ID	22ID/15ID	22ID-22OD/15ID
Minimum tidal volume *	200ml	200ml	200ml
Accessories	Flextube™	Flextube	Flexible catheter mount



Code	1942030	1941030	1906030
Box Qty.	40	40	40
Luer lock port		✓	✓
Moisture return *	29mg H ₂ O/L	29mg H ₂ O/L	29mg H ₂ O/L
Bacterial and viral filtration efficiency	99.999%	99.999%	99.999%
Resistance at 30L/min *	1.2cm H ₂ O	1.2cm H ₂ O	0.8cm H ₂ O
Resistance at 60L/min *	3.0cm H ₂ O	3.0cm H ₂ O	2.5cm H ₂ O
Compressible volume *	66ml	67ml	70ml
Weight *	42g	43g	45g
Connectors	22ID – 22OD/15ID	22ID – 22OD/15ID	22OD – 22OD – 22OD/15ID
Minimum tidal volume *	200ml	200ml	200ml

* HME only

Clear-Therm™ range



Clear-Therm Mini

Clear-Therm Mini

Clear-Therm Micro

Code	1831030	18316500	1441030
Box Qty.	40	20	50
Luer lock port	✓	✓	✓
Moisture return (VT 250ml)	32mg H ₂ O/L	32mg H ₂ O/L	N/A
Moisture return (VT 25ml)	N/A	N/A	27mg H ₂ O/L
Bacterial filtration efficiency	99.97%	99.97%	99.99%
Viral filtration efficiency	99.93%	99.93%	99.93%
Resistance at 30L/min *	1.6cm H ₂ O	1.6cm H ₂ O	N/A
Resistance at 7L/min *	N/A	N/A	0.88cm H ₂ O
Compressible volume *	28ml	28ml	11ml
Weight *	22g	22g	12g
Connectors	22ID/15OD – 22OD/15ID	22ID/15OD – 15ID	15OD-15ID
Minimum tidal volume *	75ml	75ml	25ml
Accessories		Flextube	

* HME only

QuadraLite™ anesthetic masks

A truly unique anesthetic face mask

Unlike traditional face masks, QuadraLite does not use an inflatable cushion. Innovative moulding techniques have enabled the combination of two ideally suited materials to create a face mask with an anatomical shape and soft seal. This provides a comfortable superior airtight fit with a clear shell to enhance patient facial visibility.

Four sizes for all patients

The QuadraLite range features four sizes instead of the traditional seven. Due to its unique anatomical shape and requirement for minimal downward pressure to achieve an airtight seal, we have provided four sizes as a solution for all patients.



The greener, safer choice

QuadraLite masks are manufactured from polypropylene and thermoplastic elastomer, contain no PVC and are phthalate-free.

Anatomical shape

Provides a precise fit combined with lower dead space

Color-coding

Color matching with other Intersurgical products for easy selection

Transparent shell

For excellent visibility

Soft seal

A comfortable airtight fit with flexibility for different face sizes



us.intersurgical.com/info/quadralite



Code	Description	Size	Box Qty.
7194030	QuadraLite, large adult, anesthetic mask, with green cushion and hook ring, 22ID (replaces traditional mask size 5–6)	4	50
7193030	QuadraLite, medium adult, anesthetic mask, with yellow cushion and hook ring, 22ID (replaces traditional mask size 3–5)	3	50
7192030	QuadraLite, small adult, anesthetic mask, with white cushion and hook ring, 22ID (replaces traditional mask size 2–3)	2	50
7191030	QuadraLite, infant, anesthetic mask, with grey cushion, 15OD (replaces traditional mask size 0–1)	1	50

High concentration mask

A comprehensive range of adult and pediatric high concentration masks. These masks can provide oxygen concentrations greater than 80%, at flows of 10–15 L/min (these values are approximate and depend on the patient's breathing pattern).



 illustrated


Code	Description	Tube length	Box Qty.
 1181015	EcoLite™, adult, high concentration oxygen mask with tube	2.1m	24 
11926000	Pediatric, high concentration oxygen mask with tube	2.1m	50

Respi-Check™ breathing indicator mask

Respiratory rate is an accurate reflection of severity of illness and if carefully measured is a sensitive marker of accurate respiratory and metabolic dysfunction, especially in the critical care setting. The Respi-Check breathing indicator provides a simple and inexpensive solution to improving the accuracy of respiratory rate measurement.



 illustrated

Code	Description	Tube length	Box Qty.
 12026000	Respi-Check, adult, breathing indicator high concentration oxygen mask with tube	2.1m	50
1216030	Respi-Check, adult, breathing indicator medium concentration oxygen mask		50
12926000	Respi-Check, pediatric, breathing indicator high concentration oxygen mask with tube	2.1m	50



MultiOx™ venturi mask kits

The MultiOx adjustable venturi valve offers seven oxygen concentrations. A large body diameter provides space for clear, widely-spaced calibration and incorporates a 'pull-twist' action preventing accidental adjustment. The one-piece design eliminates the need to use more than one valve for all concentrations and contains no separate pieces that may get lost or mislaid.

The concentration delivered is unaffected by the patient's breathing pattern provided that the optimum flow indicated on the valve is set on the oxygen flow meter.

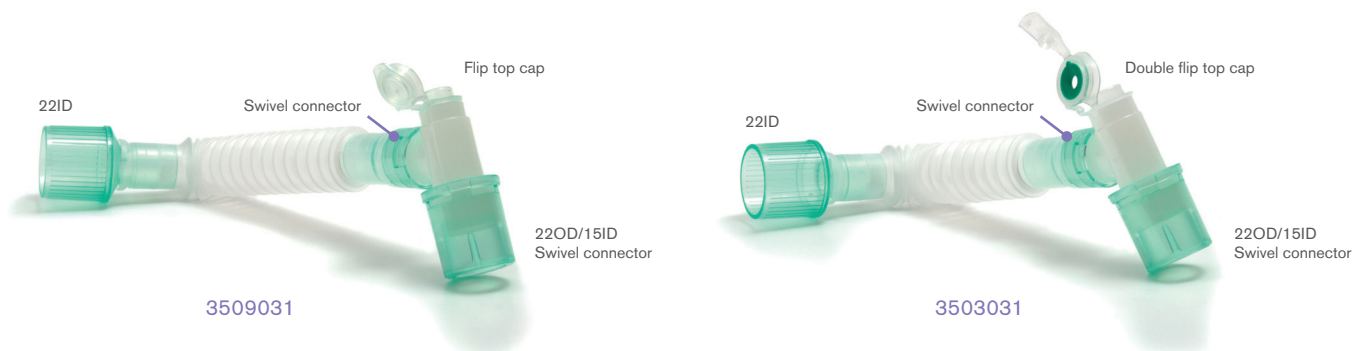


 illustrated

Code	Description	Tube length	Box Qty.
 1117005	MultiOx, Eco, adult, adjustable venturi mask kit with tube	1.8m	80 
1118005	MultiOx, Eco, pediatric, adjustable venturi mask kit with tube	1.8m	40 

Superset™ catheter mounts

The Superset catheter mount has a concertina design to allow for complete positioning control. The design allows the adjustment of deadspace from 20ml to 40ml and the adjustment of length from 70mm to 150mm, excluding connectors (codes 3503031 and 3509031). The range has a variety of ports for all applications. All Intersurgical port caps are fixed to the connectors for added safety. This prevents loss or misplacement in use.



Code	Description	Box Qty.
3509031	Superset with double swivel elbow and port	50
3503031	Superset with double swivel elbow and bronchoscopy port	50

i-gel® O₂ Resus EMS bag



Code	Description
87006000	i-gel® O ₂ Resus EMS bag (bag contents shown above sold separately)

Inline manometer



Code	Description	Box Qty.
7160030	Inline manometer	20

OptiLube™ sachets of lubricant

OptiLube sachets of lubricant containing 5g of water soluble lubricating jelly for use in the preparation of airway devices.



Code	Description	Box Qty.
5469000	OptiLube, 5g sachets of lubricant	150

Oxygen tubing

Multi-channel tubing. A non-PVC version is available which provides an environmentally friendly choice.



Code	Description	Length	Box Qty.
1174030	Multi-channel oxygen tube	2.1m	50
1174010	Non-PVC, multi-channel oxygen tube	2.1m	100 

Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
1		11926000	16	1941030	13	7192030	15	8070015	7
		12026000	16	19416500	13	7193030	15	8080006	7
10006000	9	121070	8	1942030	13	7194030	15	8080010	7
11006000	9	121075	8	19426500	13			8080014	7
1102030	16	121080	8	19426502	13	8		8201030	5
1110030	9	1216030	16	1944030	11	8001000	6	8202030	5
1111030	9	122070	8			8002000	6	8203030	5
1111031	9	122075	8	3		8003000	6	8204030	5
1112030	9	122080	8	3503031	17	8003003	7	8205030	5
1113030	9	12926000	16	3509031	17	8004000	6	8215030	5
1114030	9	1441030	14			8004003	7	8225030	5
1115030	9	1644030	11	5		8005000	6	87006000	18
1117005	17	1745030	12	5469000	18	8005003	7	8703030	4
1118005	17	1790030	12			8015000	6	8704030	4
1174010	18	1831030	14	7		8025000	6	8705030	4
1174030	18	18316500	14	7160030	18	8070006	7		
1181015	16	1906030	13	7191030	15	8070010	7		

