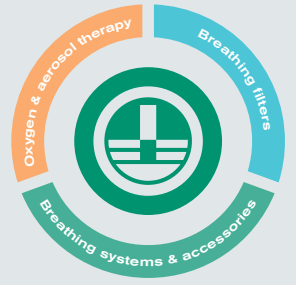


Intersurgical Home Care Catalogue

Continuing to care from hospital to home



Breathing Systems and
Accessories

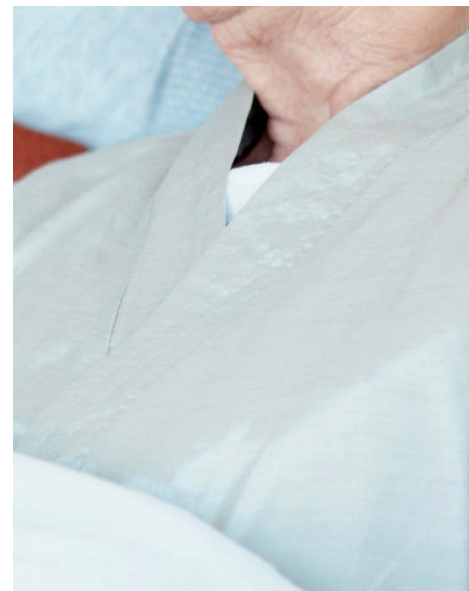


Oxygen and
Aerosol Therapy



Breathing Filters, HMEs, HMEFs
and Patient Connections

Edition 4



Quality, innovation and choice

Interact with us



www.intersurgical.com



Introduction

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

We provide flexible patient solutions for airway management, anaesthesia, 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 whilst allowing us to provide cost effective solutions to meet today's needs.

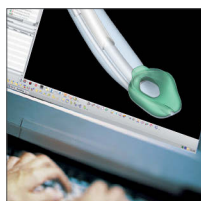
Maintaining these high standards runs through everything we do: for our employees, clinicians and patients alike. Driven by these core principles and a commitment to care, Intersurgical is a company you can trust.

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.

All of our products are designed and manufactured to meet the requirements of relevant BS, ISO and EN standards.

We are also committed to lowering the environmental impact of our products and services and have implemented an Environmental Management System which has been certified to the international standard ISO 14001.




We hope 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'**

Contents

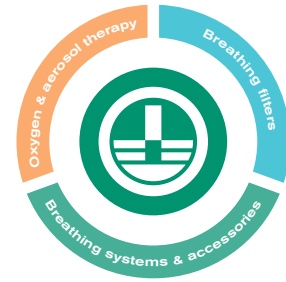
	Introduction	4
	Guide to the Catalogue	4
	Breathing Systems and Accessories	5
	Breathing Systems.....	7
	Smoothbore Tube Lengths.....	12
	Lung Expansion/Clearance.....	15
	Accessories and Connectors.....	17
	Breathing Filters, HMEs, HMEFs and Patient Connections	25
	Breathing Filters, HMEs and HMEFs.....	27
	Device Filtration.....	32
	Patient Connections.....	39
	Oxygen and Aerosol Therapy	43
	Oxygen Therapy.....	45
	Aerosol Therapy.....	53
	Nebuliser Therapy.....	55

Intersurgical Home Care

Many of the products we develop as a company are designed for use in both hospital and home. These products have allowed us to create a Home Care range focused on the home care patient, whether they are ventilated or using oxygen. We aim to offer a solution to all your home ventilatory and oxygen delivery requirements and understand each patient is different, because of this we offer the widest possible range.

The range includes single and dual limb breathing systems suitable for a wide range of home care ventilators, lengths of tube for CPAP applications through to nasal cannula for oxygen therapy.

If you are unable to find your required solution please contact us to discuss specific requirements.




A guide to symbols used in this catalogue

Throughout the catalogue we use a number of symbols to identify specific characteristics about our products, please familiarise yourself with these below.



Lower environmental impact product

The Eco range of products has been designed as part of our ongoing focus on sustainable development. Wherever you see the  logo we have reduced the environmental impact of these products compared with traditional PVC options.



View product video

We have a large number of product videos to show a product's features and benefits and how they are used. These can be viewed on the product pages of our website.



Single use and Latex free

All products detailed in this catalogue are single-use and latex free unless otherwise stated.

A guide to our ports and caps

Ports and caps are available on a variety of products including catheter mounts, elbows, T-pieces, Y-pieces and connectors. All Intersurgical port caps are fixed to the connectors for added safety this prevents loss or misplacement in use.

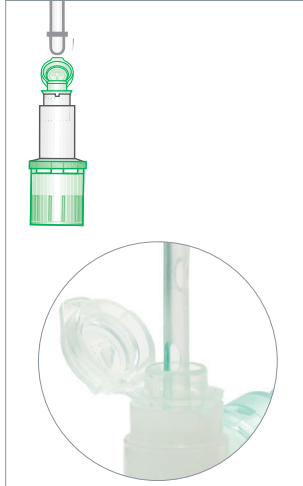
Luer ports

For secure attachment of gas sampling lines with luer lock fittings



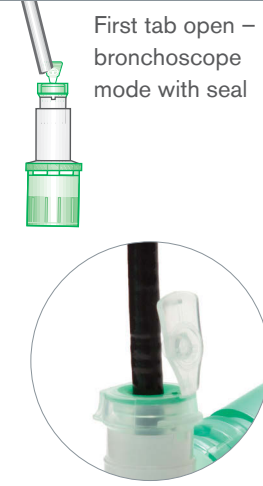
7.6mm port and flip top cap

For insertion of all standard 7.6mm probes or for suctioning



Double flip top cap with seal

Bronchoscopy and suction ports in one patient connection





Breathing Systems and Accessories

The range includes single and dual limb breathing systems suitable for a wide range of home care ventilators, lengths of tube for CPAP applications and a choice of connectors and accessories.

Breathing Systems.....	7
Smoothbore Tube Lengths.....	12
Lung Expansion/Clearance.....	15
Accessories and Connectors.....	17



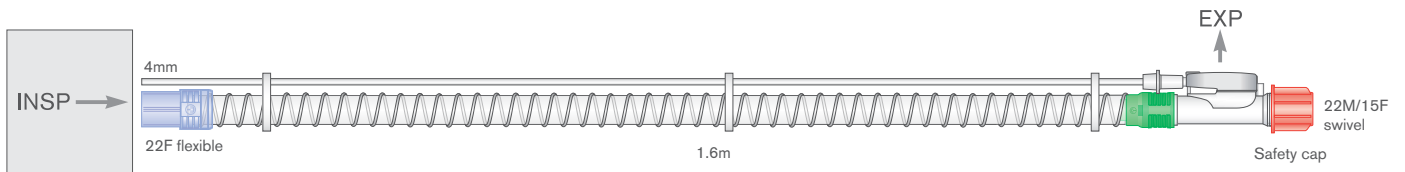
Single limb breathing systems designed for hospital and home

The single limb breathing system with exhalation valve range has been designed with the patient in mind. This range features our exhalation valve popular for its user friendly characteristics and exceptional design. It is fully compatible with all ventilators, including those that incorporate manual PEEP control.



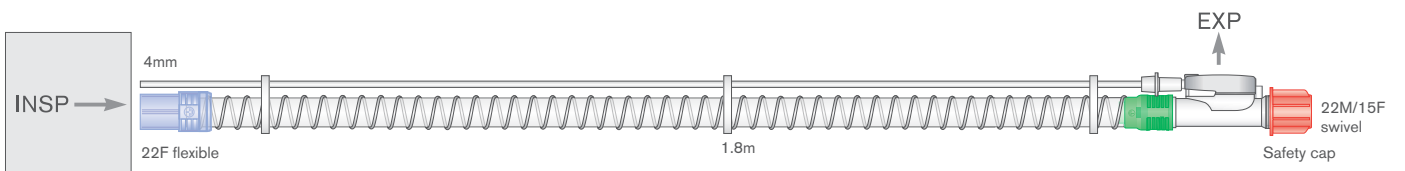
We offer a wide range of breathing systems including both dual and single limb suitable for a wide range of home care ventilators. We offer systems with exhalation valves, in-line valves, heated wires and water traps in many different configurations to cater for as many situations as possible.


Breathing systems for use with Air Liquide Medical Systems Monnal® T50






Code	Description	Box Qty.
5113018	22mm Smoothbore single limb breathing system with exhalation valve, 1.6m	25

Breathing systems for use with Breas® Vivo™ 50



 system illustrated

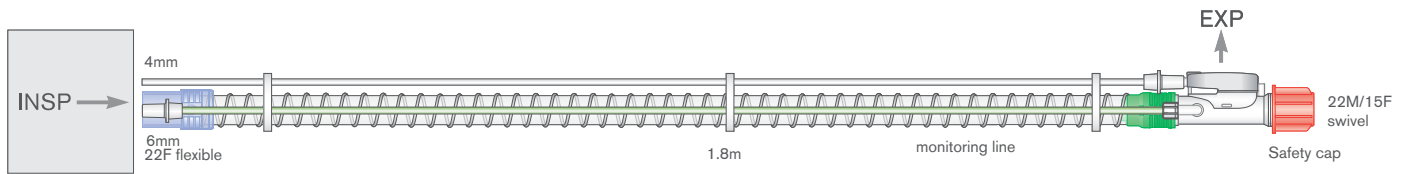
Code	Description	Box Qty.
 5194000	22mm Smoothbore single limb breathing system with exhalation valve, 1.8m	25
5194850	22mm Smoothbore single limb heated wire breathing system with exhalation valve and 0.5m limb, 1.6m	12
5113006	22mm Smoothbore single limb breathing system with exhalation valve, water trap and pressure monitoring kit, 0.4m limb, 1.6m	20
5200001	22mm Eco Smoothbore dual limb breathing system with inline exhalation valve, 1.6m	20 
5209005	22mm Eco Smoothbore dual limb breathing system with exhalation valve, water traps and 0.5m limb, 1.6m	16 

 Lower environmental impact product

Monnal is a registered trade mark of Air Liquide Medical Systems. Breas is a registered trade mark of Breas Medical AB.

Vivo is a trade mark of Breas Medical AB.

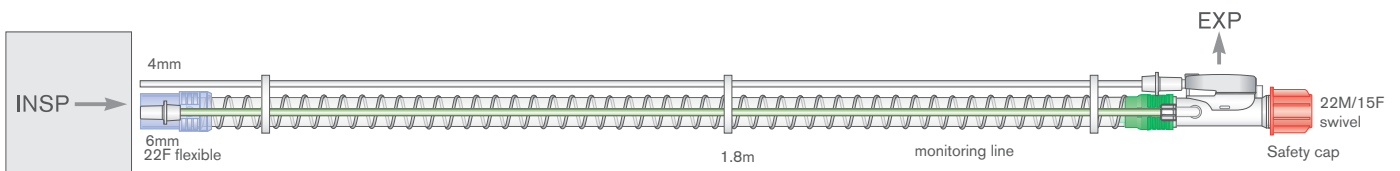
Breathing systems for use with Covidien® Legendair/Puritan Bennett® 560



system illustrated

Code	Description	Box Qty.
5191000	22mm Smoothbore single limb breathing system with exhalation valve and monitoring line, 1.8m	25
5191006	22mm Smoothbore single limb breathing system with exhalation valve, water trap and monitoring line and 0.5m limb, 1.8m	20
5191850	22mm Smoothbore single limb heated wire breathing system with exhalation valve, monitoring line and 0.5m limb, 1.6m	25
5195000	22mm Smoothbore dual limb breathing system with inline exhalation valve, water trap and monitoring line, 1.8m	20
5195850	22mm Smoothbore dual limb single heated wire breathing system with inline exhalation valve, water trap, and 0.5m limb, 1.6m	20

Breathing systems for use with Philips Respironics® Trilogy 100



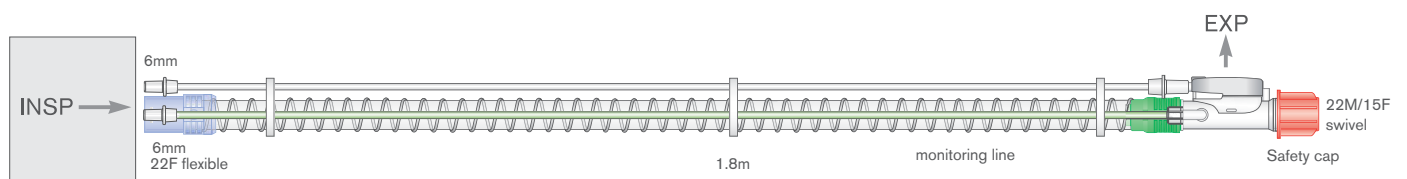
system illustrated

Code	Description	Box Qty.
5191000	22mm Smoothbore single limb breathing system with exhalation valve and monitoring line, 1.8m	25
5191006	22mm Smoothbore single limb breathing system with exhalation valve, water trap, monitoring line and 0.5m limb, 1.8m	20
5191850	22mm Smoothbore single limb heated wire breathing system with exhalation valve, monitoring line and 0.5m limb, 1.6m	25

Covidien is a registered trade mark of Covidien AG. Puritan Bennett is a registered trade mark of Covidien LP.

Respironics is a registered trade mark of Respironics, Inc.

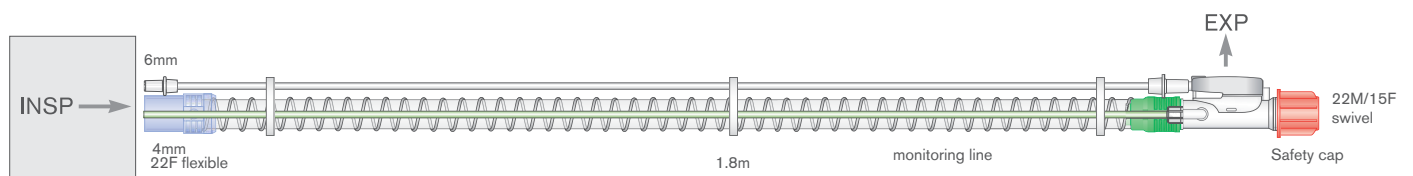
Breathing systems for use with ResMed® Astral®



system illustrated

Code	Description	Box Qty.
5197000	22mm Smoothbore breathing system with monitoring line, exhalation valve, single limb, 1.8m	25
5198000	22mm Smoothbore breathing system with water trap, monitoring line, exhalation valve and 0.5m limb, single limb 1.8m	20
5000000	22mm Smoothbore breathing system, dual limb, 1.6m	12

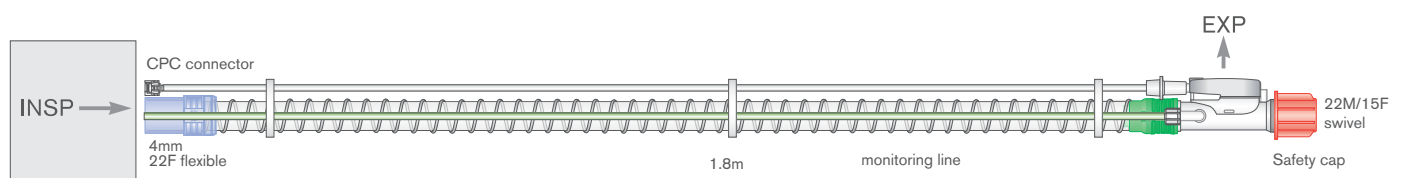
Breathing systems for use with ResMed® Elisee™ 150



system illustrated

Code	Description	Box Qty.
5191000	22mm Smoothbore breathing system with monitoring line and exhalation valve, single limb, 1.8m	25
5191004	22mm Smoothbore single limb breathing system with exhalation valve and monitoring line, 1.8m	25
5191008	22mm Smoothbore single limb breathing system with exhalation valve, water trap, monitoring line and 0.5m limb, 1.8m	20
5191852	22mm Smoothbore single limb heated wire breathing system with exhalation valve, monitoring line, and 0.5m limb, 1.6m	25

Breathing systems for use with ResMed® Eole™, Helia™, VSIII™, VS Integra® and VS Ultra®



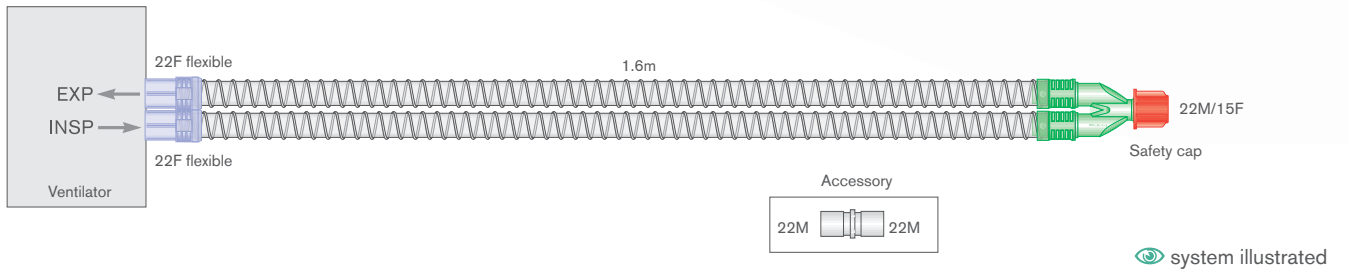
system illustrated

Code	Description	Box Qty.
5190000	22mm Smoothbore single limb breathing system with exhalation valve and monitoring line, 1.8m	25
5191010	22mm Smoothbore single limb breathing system with exhalation valve, water trap, monitoring line and 0.5m limb, 1.8m	20
5190850	22mm Smoothbore single limb heated wire breathing system with exhalation valve, monitoring line and 0.5m limb, 1.6m	20

ResMed and Astral are registered trade marks of ResMed Limited. Elisee, Eole, Helia, VSIII, VS Integra and VS Ultra are trade marks of ResMed.

Adult universal breathing systems

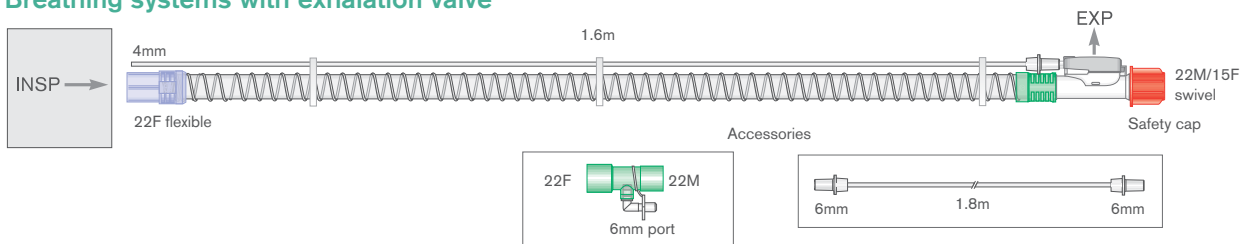
The Intersurgical Smoothbore and Eco Smoothbore tube systems are non-PVC and phthalate-free, strong yet lightweight and feature bonded Y-piece and water trap connections which eliminate the possibility of system disconnection. The twin-limb system is available with or without water traps. Two individual tube lengths are available.



system illustrated

Code	Description	Box Qty.
5001000	22mm Smoothbore dual limb breathing system, 2m	12
5009001	22mm Smoothbore dual limb breathing system with water traps, ported Y-piece and 0.5m limb, 2m	10
5000000	22mm Smoothbore dual limb breathing system, 1.6m	12
5000005	22mm Smoothbore dual limb breathing system with ported Y-piece 1.6m	12
5009000	22mm Smoothbore dual limb breathing system with water traps, ported Y-piece and 0.5m limb, 1.6m	10
5007003	22mm Smoothbore dual limb breathing system with water trap, 1.6m	10
5200000	22mm Eco Smoothbore dual limb breathing system, 1.6m	20
5209000	22mm Eco Smoothbore dual limb breathing system with water traps, ported Y-piece and 0.5m limb, 1.6m	16
5207000	22mm Eco Smoothbore dual limb breathing system with water trap and ported Y-piece, 1.6m	18

Breathing systems with exhalation valve

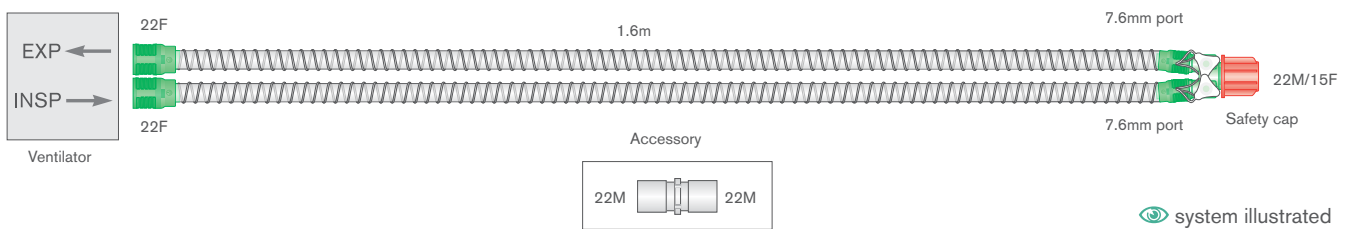


system illustrated

Code	Description	Box Qty.
5183000	22mm Smoothbore single limb breathing system with exhalation valve and monitoring line, 1.6m	10
5183064	22mm Smoothbore single limb breathing system with exhalation valve and monitoring line, 1.6m	10
5182000	22mm Smoothbore single limb breathing system with exhalation valve, 1.6m	10
5113010	22mm Smoothbore single limb breathing system with exhalation valve, water trap, monitoring line and 0.4m limb, 1.6m	20
5113077	22mm Smoothbore single limb breathing system with exhalation valve and monitoring line, 1.6m	25
5113005	22mm Smoothbore single limb breathing system with exhalation valve and pressure monitoring kit, 1.6m	25
5113006	22mm Smoothbore single limb breathing system with exhalation valve, water trap pressure monitoring kit and 0.4m limb, 1.6m	20

Lower environmental impact product

Paediatric 15mm universal breathing systems

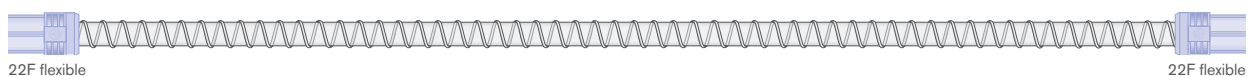
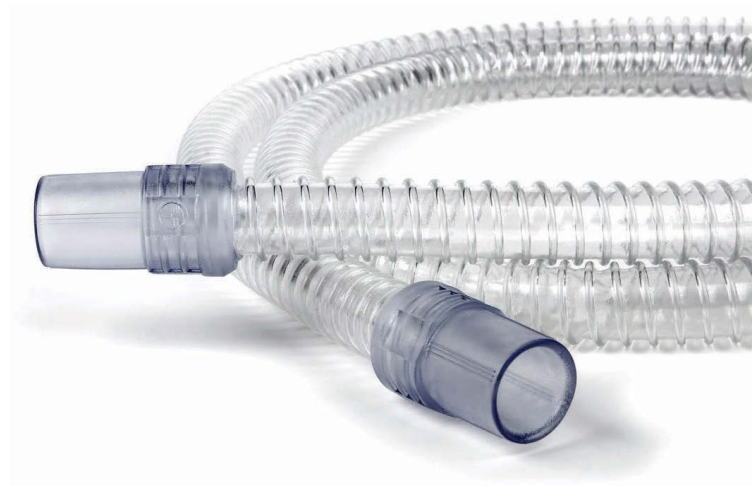


system illustrated

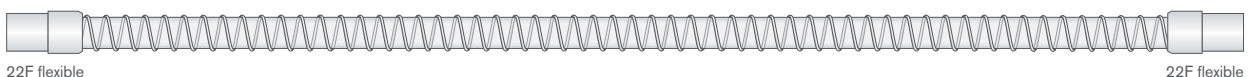
Code	Description	Box Qty.
5024000	15mm Smoothbore dual limb breathing system, 2.4m	10
5009009	15mm Smoothbore dual limb breathing system with water traps and 1m limb, 2m	10
5016000	15mm Smoothbore dual limb breathing system, 1.6m	12
5500000	15mm Smoothbore dual limb breathing system with ported Y-piece, 1.6m	20
5513000	15mm Smoothbore dual limb breathing system with water traps, ported Y-piece and 0.4m limb, 1.6m	12

22mm and 15mm Smoothbore tubing

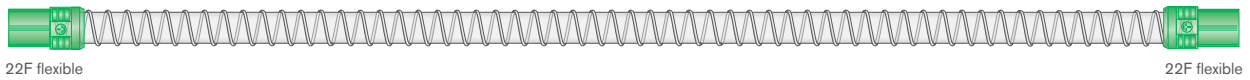
A range of Smoothbore tube lengths predominantly for home care CPAP sleep apnoea use, with soft end connectors in different lengths and diameters. Eco tubing is available as a lightweight non-PVC option.





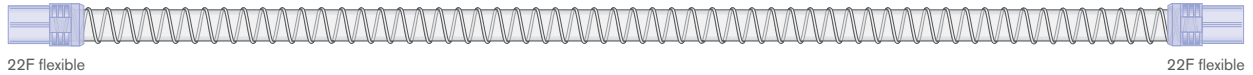
Code	Description	Length	Box Qty.
5418000	15mm Smoothbore polypropylene tube with soft end connectors, 22F-22F	1.8m	1
5118000	15mm Smoothbore tube with soft end connectors, 22F-22F	1.8m	20
5118003	15mm Smoothbore tube with soft end connectors, 22F-22F	1.2m	20
5118001	15mm Smoothbore tube with soft end connectors, 22F-22F	0.4m	20



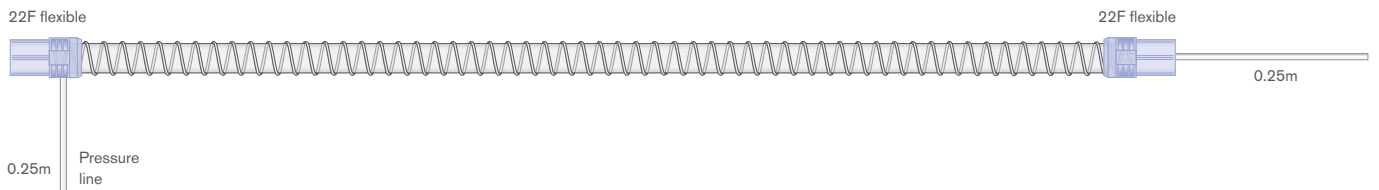
Code	Description	Length	Box Qty.
5318000	22mm Smoothbore polypropylene tube with soft end connectors, 22F-22F	1.8m	50



Code	Description	Length	Box Qty.
5218000	22mm Eco Smoothbore tube with soft end connectors, 22F-22F	1.8m	20 
5206000	22mm Eco Smoothbore tube with soft end connectors, 22F-22F	0.6m	40 



Code	Description	Length	Box Qty.
5020000	22mm Smoothbore tube with soft end connectors, 22F-22F	2.0m	20
5018000	22mm Smoothbore tube with soft end connectors, 22F-22F	1.8m	20
5015000	22mm Smoothbore tube with soft end connectors, 22F-22F	1.5m	30
5012000	22mm Smoothbore tube with soft end connectors, 22F-22F	1.2m	30
5010000	22mm Smoothbore tube with soft end connectors, 22F-22F	1.0m	40
5080000	22mm Smoothbore tube with soft end connectors, 22F-22F	0.8m	40
5006000	22mm Smoothbore tube with soft end connectors, 22F-22F	0.6m	40
5005000	22mm Smoothbore tube with soft end connectors, 22F-22F	0.5m	50
5004000	22mm Smoothbore tube with soft end connectors, 22F-22F	0.4m	50
5003000	22mm Smoothbore tube with soft end connectors, 22F-22F	0.3m	50

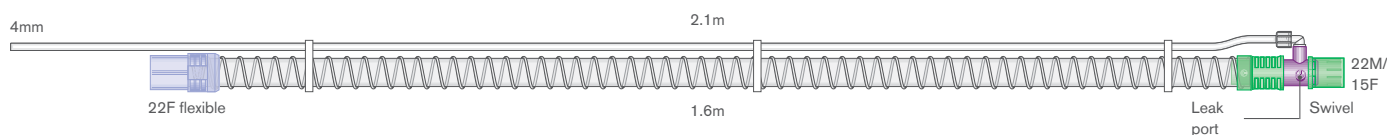


Code	Description	Length	Box Qty.
5317000	22mm Smoothbore tube with soft end connectors with silicone co-axial pressure line, 22F-22F	1.8m	20
5326000	22mm Smoothbore tube with soft end connectors with PVC co-axial pressure line, 22F-22F	1.8m	20


Bilevel 22mm breathing systems

Passive Smoothbore bilevel breathing systems offer a perfect solution for dry high flow gas.

If monitoring line filtration is required, the optional in-line filter kit can be added to any system that includes a monitoring line. Machine connection filtration can be added using a low-resistance Flo-Guard breathing filter.



 system illustrated

Code	Description	Box Qty.
5804000	22mm adult/paediatric, Smoothbore bilevel breathing system with swivel patient connector and CO ₂ leak port, 1.8m	30
 5805000	22mm adult/paediatric, Smoothbore bilevel breathing system with swivel patient connector, CO ₂ leak port and monitoring line, 1.6m	25
5808000	22mm adult/paediatric, Smoothbore bilevel breathing system with swivel patient connector, CO ₂ leak port and split monitoring line, 1.6m	25
5809000	22mm adult/paediatric, Smoothbore bilevel breathing system with swivel patient connector, CO ₂ leak port, water trap, monitoring line, filter and 0.6m limb, 1.6m	15
5811000	22mm adult/paediatric, Smoothbore breathing system with monitoring line, 1.6m	25

Lung expansion/clearance

A range of face masks, breathing systems and kits for use within the home environment.

QuadraLite™ masks

A truly unique face mask

The QuadraLite is a soft and comfortable mask with a flexible seal that is available in four sizes to fit all patients.

The innovative anatomically shaped masks offer a light, clear, single use alternative to the reusable rubber masks and the plastic cushion masks.

The range of four sizes incorporates a colour-coded soft seal for easy selection and provides a superior airtight seal over a wide range of faces.

These phthalate-free non-PVC masks have a smaller volume resulting in reduced dead space.



The greener, safer choice

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

Transparent shell

For excellent visibility

Soft seal

A comfortable airtight fit with flexibility for different face sizes



Anatomical shape

Provides a precise fit combined with lower dead space

Colour-coding

Colour matching with other Intersurgical products for easy selection



Learn more about QuadraLite™

www.intersurgical.com/info/quadralite

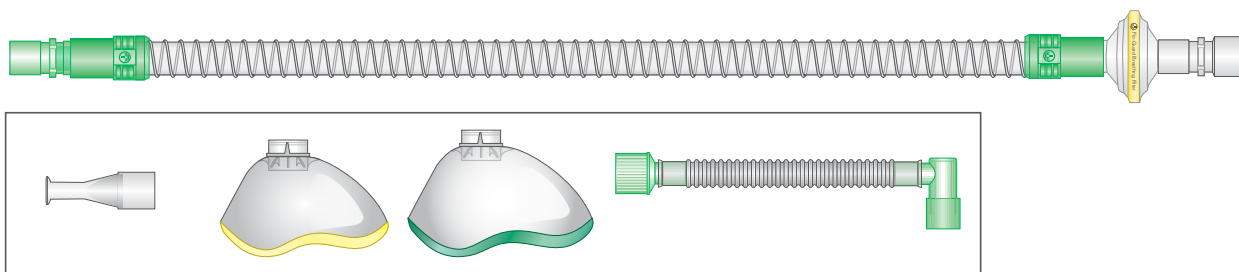
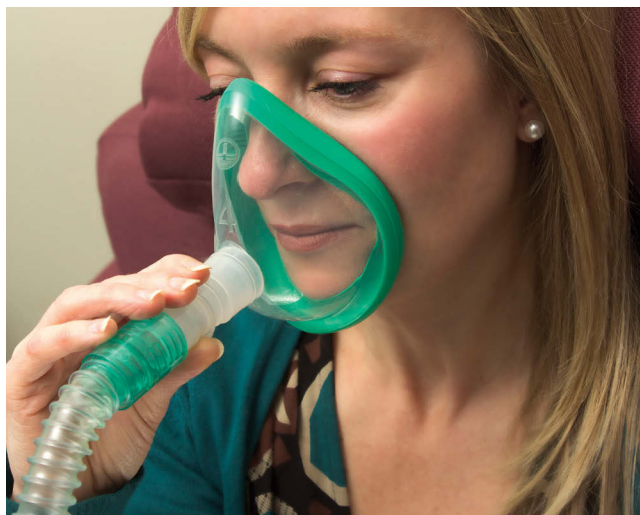
Video available at www.intersurgical.com


Code	Description	Size	Box Qty.
7194000	QuadraLite, large adult, anaesthetic mask, with green cushion and hook ring, 22F (replaces traditional mask size 5–6)	4	35
7193000	QuadraLite, medium adult, anaesthetic mask, with yellow cushion and hook ring, 22F (replaces traditional mask size 3–5)	3	35
7192000	QuadraLite, small adult, anaesthetic mask, with white cushion and hook ring, 22F (replaces traditional mask size 2–3)	2	25
7191000	QuadraLite, infant, anaesthetic mask, with grey cushion, 15M (replaces traditional mask size 0–1)	1	30



Lower environmental impact product

Cough assist breathing systems

A range of systems for all cough assist (insufflation/exsufflation) machines.



 system illustrated

Code	Description	Box Qty.
2000098	22mm Smoothbore breathing system with filter and cough assist breathing system with large adult mask and mouthpiece, 1.2m	8
 2000213	22mm Smoothbore breathing system with filter and cough assist breathing system with large and medium QuadraLite™ adult masks and mouthpiece, 1.2m	8 
5001005	22mm Smoothbore cough assist breathing system with filter and large adult mask, 1m	10
5001006	22mm Smoothbore cough assist breathing system with filter and medium adult mask, 1m	10
5001007	22mm Smoothbore cough assist breathing system with filter and small adult mask, 1m	10
2000099	22mm Smoothbore single limb cough assist breathing system with filter, 1.2m	20

Humidification chambers

An integral part of the breathing system, the humidification chamber allows it to interface with the heated humidifier base. The range consists of three chamber options for use with humidifier bases. Simply slide the chamber into position on the hot plate of the base controller allowing the inspiratory gas to pass over the heated water. Chambers can be purchased individually or as part of a breathing system package.

The auto fill humidification chamber offers a fixed level of water within the chamber, ensuring a constant system volume. This, coupled with the strong polycarbonate body and non compressible float, ensures that adverse changes in system compliance are reduced to a minimum. The chamber provides optimum humidification output without compromising resistance to flow, the new dual float, dual valve design provides further assurance of reliability.



▶ Video available at www.intersurgical.com

Inline filter

Prevents any debris entering the chamber

Protective cassette

Protects the chamber from contamination and conveniently stores the fill set before use

Dual valve

For added security

Strong polycarbonate clear material

Improved compliance characteristics. Allows for easy visual assessment of the fluid level at all times

Clearly visible water level indicator

Easy to see for instant accurate fluid level assessment

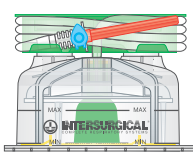


Advanced dual float design

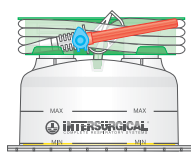
The closed cell material of the primary float ensures a totally reliable unsinkable rigid mechanism, whilst the secondary float provides added security

Shrouded heated plate cover

Prevents accidental burns when removing the chamber from the heater base



2310000



2320000



2340000

Code	Description	Box Qty.
2310000	Auto fill humidification chamber	30
2320000	Manual fill humidification chamber	30
2340000	Medium humidification chamber	30

Tube management programme

A full range of tube management options that when used in conjunction with Intersurgical breathing systems allows the clinician to position our products efficiently and comfortably around the patient area. These help to provide a safe and tidy environment reducing the risk of disconnection and patient trauma.

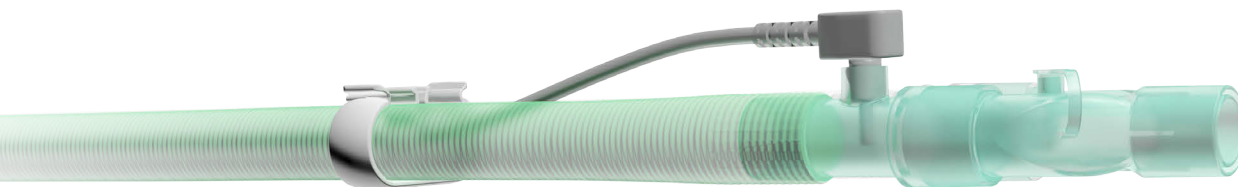
Intersurgical tube clips, 22F red safety cap and the humidification chamber fill set spike cover are designed to interface with the Intersurgical tube clip hanger, tube management grip and the tube management clip via a notch feature.

Tube clips are available to fit our Smoothbore and Flextube™ breathing systems with options available for 10mm, 15mm, 22mm and 30mm single and dual limb breathing systems.

Tube clips 10mm, 15mm, 22mm, 30mm

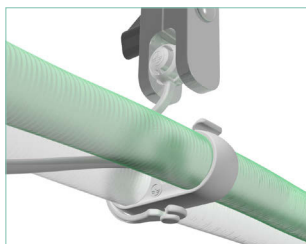


Red safety cap or humidification chamber fill set spike cover



Notch feature interfaces with

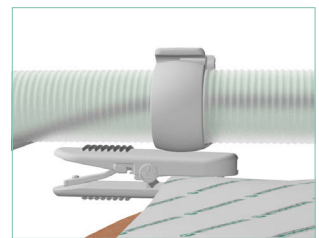
Tube clip hanger



Tube management clip

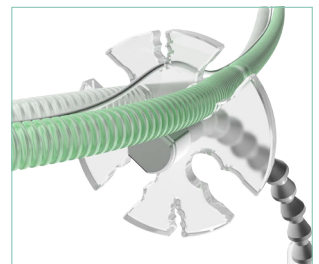
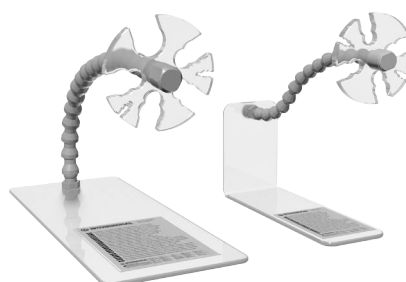


Tube management grip




Tube holder

Our ergonomically designed tube holder is a neat way of supporting a breathing system close to the patient. Available in two sizes the tube support efficiently holds in place 10, 15, 22 and 30mm tube with a smaller groove to grip monitoring lines and cables. The flexible neck is easily positioned to take the strain of the breathing system away from the patient.



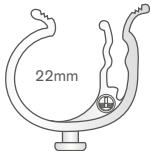
Tube management guide

Flextube™ and Smoothbore tube clip



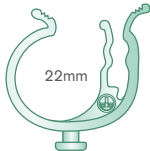
Code	2317000
Box Qty.	25

Flextube tube clip



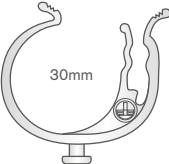
Code	2315000
Box Qty.	25

Smoothbore tube clip




Code	2318000
Box Qty.	25

Flextube tube clip



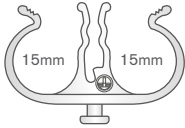
Code	2319000
Box Qty.	25

Flextube and Smoothbore tube clip



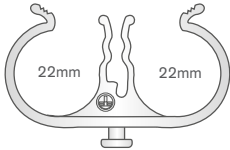
Code	2311000
Box Qty.	25

Flextube and Smoothbore tube clip



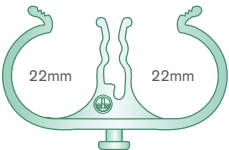
Code	2312000
Box Qty.	25

Flextube tube clip

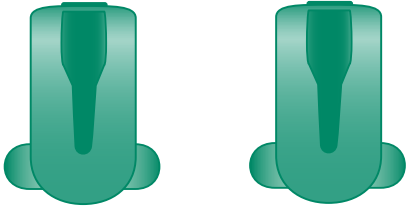



Code	2313000
Box Qty.	25

Smoothbore tube clip



Code	2314000
Box Qty.	25

<p>Tube management clips</p> 	<p>Tube clips</p> 				
<table border="1"> <tr> <td>Code</td> <td>2316000</td> </tr> <tr> <td>Box Qty.</td> <td>12</td> </tr> </table>		Code	2316000	Box Qty.	12
Code	2316000				
Box Qty.	12				

Tube clip hanger



Code	5572000
Box Qty.	25

Tube management grip



Code	2321000
Box Qty.	50

Tube holder
30mm/22mm/
15mm



Code	5904000
Box Qty.	1

Tube holder
15mm/10mm



Code	5905000
Box Qty.	1

Water traps

A range of self-sealing water traps that allow for emptying during use. As the base of the water trap is opened the internal valve automatically closes ensuring the breathing system remains airtight. As the base is replaced, the valve re-opens allowing drainage of the breathing system to recommence.

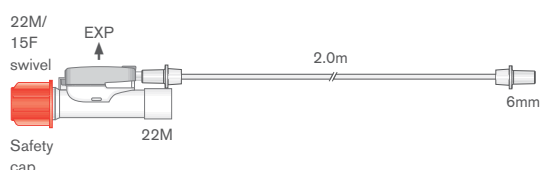
The right-angled version is ideal for use in applications where a 90° attachment may be required.



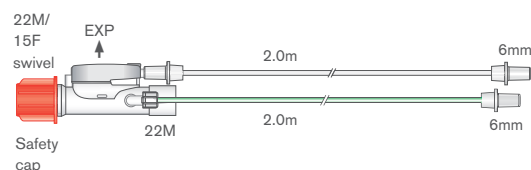
Code	Description	Box Qty.
1911000	Water trap, self-sealing, medium, 70ml	55
1912000	Water trap, self-sealing, large, 125ml	50
1916000 <i>NEW</i>	Water trap, right-angled, self-sealing, medium 70ml	55
1915000 <i>NEW</i>	Water trap, right-angled, self-sealing, large 125ml	40

Exhalation valves

Available for use in custom breathing systems. For differing tube lengths see page 12.



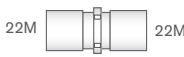
5113012



5113013

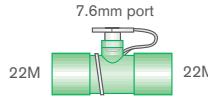
Code	Description	Box Qty.
5113012	Exhalation valve with control line, 2m	10
5113013	Exhalation valve with control line and monitoring line, 2m	10

22mm straight connectors and mouthpieces



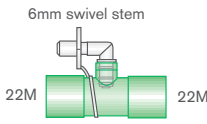
22M 22M

Code	1960000
Box Qty.	40




7.6mm port
22M 22M

Code	1966000
Box Qty.	25


6mm swivel stem
22M 22M

Code	1965000
Box Qty.	25



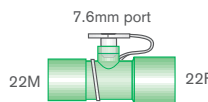
22M 22M/15F

Code	1969000
Box Qty.	40



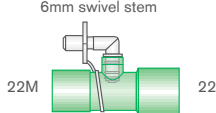
22M 22F

Code	1961000
Box Qty.	40



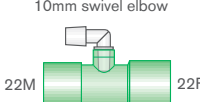
7.6mm port
22M 22F

Code	1964000
Box Qty.	25




6mm swivel stem
22M 22F

Code	1963000
Box Qty.	25



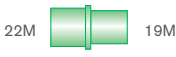
10mm swivel elbow
22M 22F

Code	1977000
Box Qty.	35



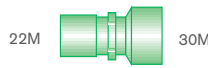
22F 22F

Code	1967000
Box Qty.	35



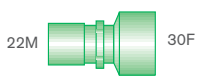
22M 19M

Code	1975000
Box Qty.	50




22M 30M

Code	1970000
Box Qty.	35



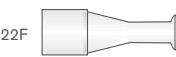
22M 30F

Code	1971000
Box Qty.	25



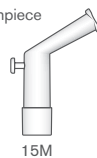
Straight mouthpiece
22M

Code	1930000
Box Qty.	40




Straight mouthpiece
22F

Code	1931000
Box Qty.	35



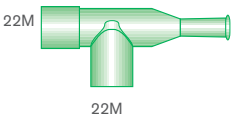
Angled mouthpiece
15M

Code	1937000
Box Qty.	20



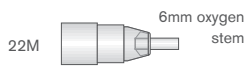
Angled mouthpiece
22M/15F

Code	1938000
Box Qty.	15



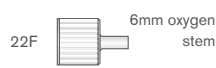
T-mouthpiece
22M 22M

Code	1510000
Box Qty.	75




22M 6mm oxygen stem

Code	1968000
Box Qty.	50



22F 6mm oxygen stem


Code	1568000
Box Qty.	40




22F Safety cap

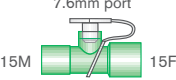
Code	1978000
Box Qty.	45

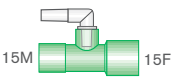
15mm straight connectors


	
Code	1945000
Box Qty.	30


	
Code	1946000
Box Qty.	30





	
Code	1947000
Box Qty.	40


	
Code	1948000
Box Qty.	50


	
Code	1949000
Box Qty.	25

	
Code	1943000
Box Qty.	40


	
Code	1974000
Box Qty.	45


	
Code	1976000
Box Qty.	50

	
Code	1962000
Box Qty.	30


	
Code	1979000
Box Qty.	50


Elastomeric soft connectors


	
Code	1701000
Box Qty.	40


	
Code	1702000
Box Qty.	50



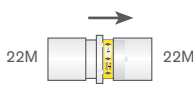
	
Code	1703000
Box Qty.	50

	
Code	1704000
Box Qty.	35

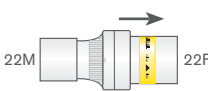
	
Code	1705000
Box Qty.	25

	
Code	1706000
Box Qty.	35

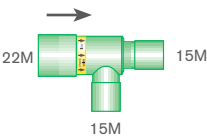
Directional valves



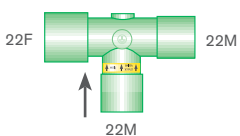
Code	1950000
Box Qty.	40



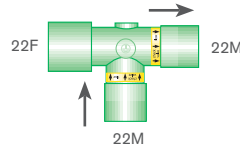
Code	1921000
Box Qty.	75

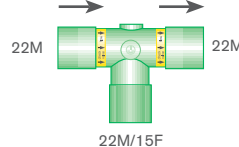
Code	1955000
Box Qty.	25



Code	1952000
Box Qty.	25

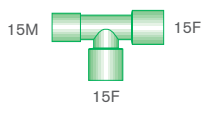


Code	1953000
Box Qty.	25

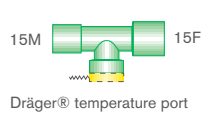


Code	1954000
Box Qty.	25

T-piece connectors

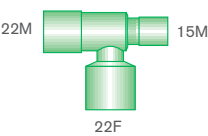


Code	1802000
Box Qty.	40

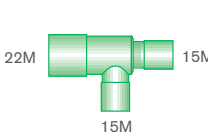


Dräger® temperature port

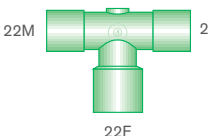
Code	1801000
Box Qty.	40

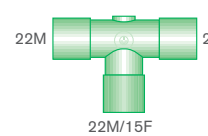
Code	1989000
Box Qty.	25



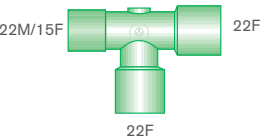
Code	1988000
Box Qty.	40



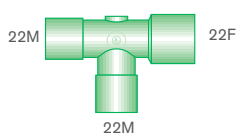
Code	1981000
Box Qty.	20



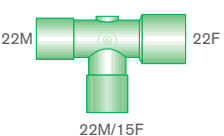
Code	1980000
Box Qty.	25



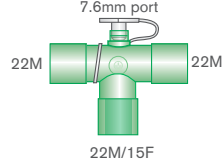
Code	1983000
Box Qty.	20



Code	1982000
Box Qty.	20

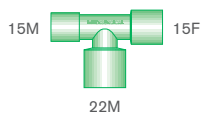


Code	1985000
Box Qty.	20

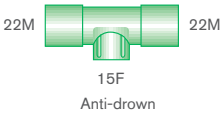


7.6mm port

Code	1984000
Box Qty.	25

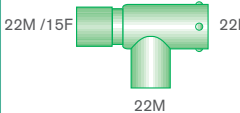


Code	1800000
Box Qty.	35

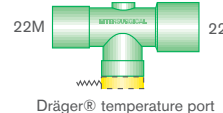


Anti-drown

Code	1959000
Box Qty.	30



Code	1986000
Box Qty.	20

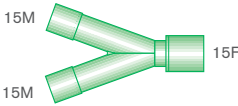


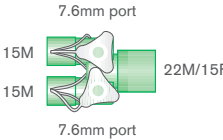
Dräger® temperature port

Code	1987000
Box Qty.	25

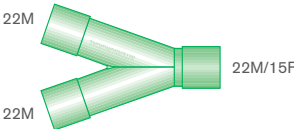
Dräger is a registered trade mark of Drägerwerk AG & Co. KGaA

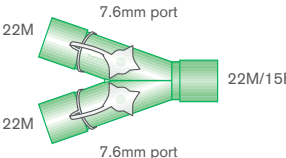
Y-piece connectors


	
Code	1902000
Box Qty.	25

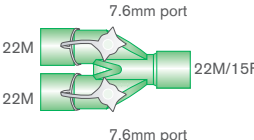
	
Code	1903000
Box Qty.	25

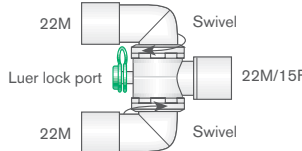


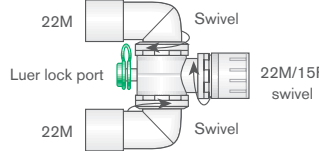
	
Code	1900000
Box Qty.	20

	
Code	1901000
Box Qty.	15

	
Code	1926000
Box Qty.	20

	
Code	1927000
Box Qty.	15

	
Code	1928000
Box Qty.	15

	
Code	1929000
Box Qty.	15



Breathing filters, HMEs, HMEFs and Patient Connections

A range of products designed for the protection of the patient and equipment. Patient connectors are available with a variety of options.

Breathing Filters, HMEs and HMEFs.....	27
Device Filtration.....	32
Patient Connections.....	39



Why use a breathing filter

Breathing filters are designed to prevent microbial cross contamination which can occur via patients, ventilator breathing systems and respiratory equipment. Their use has been widely recognised as an effective method of reducing cross contamination and has been recommended by a number of medical associations¹.

The threat to patients is varied

Patients requiring respiratory support at home may be exposed to the risk of cross contamination from the equipment, breathing systems or the environment. Documented areas of concern regarding infection from breathing systems include *Hepatitis C*, *Mycobacterium tuberculosis*, blood in sputum and the SARS virus.

Long term ventilated patients may be at risk from pseudomonal growth in the breathing system and in water bath humidifiers. The strategic use of an effective breathing filter protects both the patient and equipment bi-directionally, helping to prevent infection.

Effective use of filters in the homecare environment can also help protect the respiratory equipment which the patient relies upon, as well as helping to optimise its function and helping to prolong its life.

Effective validated performance

The Intersurgical range of breathing systems 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, which would result in contamination.

The wide and varied product range offers:

- Validated bacterial and viral filtration efficiency²
- Proven Filtration against TB and *Hepatitis C*
- Choice of patient connections – optimising patient comfort
- Compatible with respiratory equipment
- Lightweight – improving patient comfort
- Low resistance to flow

Potential infectious viruses [Particle sizes μ microns]

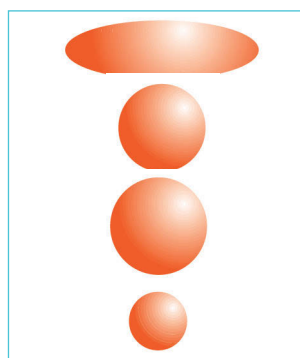


Coliphage T1 [0.017μ]

MS-2 coliphage [0.02μ]

Hepatitis C [0.03μ]

Adenovirus [0.07μ]



Mycobacterium tuberculosis
[0.3μ x 1.0μ smallest size]

Serratia marcescens [0.45μ]

Pseudomonas aeruginosa [0.5μ]

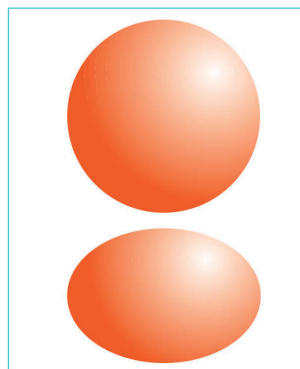
Brevundimonas diminuta [0.3μ]



HIV [0.11μ]

Cytomegalovirus (CMV) [0.1μ]

Orthomyxovirus [0.1μ]



Staphylococcus aureus [1.0μ]

Bacillus subtilis [1.0μ x 0.7μ]

References

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

Breathing filters

Designed for the protection of the patient, the breathing system and the equipment.

- **Filta-Guard™**: high efficiency filter
- **Clear-Guard™ Midi**: low volume filter
- **Clear-Guard™ 3**: cost-effective filter with ergonomic housing
- **Inter-Guard**: sterile filter
- **Hydro-Guard Mini Mk.II**: pleated media hydrophobic filter



Filta-Guard™



Clear-Guard™ Midi



Clear-Guard™ 3


Code	1944000	1644007	1544007
Box Qty.	70	100	150
Bacterial and viral filtration efficiency	>99.999%	>99.9%	>99.99%
Resistance to flow at 30L/min	1.1cm H ₂ O	0.8cm H ₂ O	0.9cm H ₂ O
Resistance to flow at 60L/min	2.1cm H ₂ O	1.7cm H ₂ O	2.2cm H ₂ O
Compressible volume	67ml	34ml	59ml
Weight	40g	19g	27g
Connectors	22F-22M/15F	22F-22M/15F	22F/15M-22M/15F
Minimum tidal volume	200ml	100ml	200ml



Inter-Guard



Hydro-Guard Mini Mk.II

Code	1344007S 	1745000
Box Qty.	50	40
Luer lock port		✓
Bacterial and viral filtration efficiency	>99.999%	>99.999%
Resistance to flow at 30L/min	0.9cm H ₂ O	1.3cm H ₂ O
Resistance to flow at 60L/min	2.0cm H ₂ O	2.7cm H ₂ O
Compressible volume	41 ml	63ml
Weight	22g	30g
Connectors	22F/15M-22M/15F	22F/15M-22M/15F
Minimum tidal volume	150ml	200ml

Filters for equipment protection

Designed for protection of equipment and the environment from contamination at the machine end.

Flo-Guard

Low resistance filter

The Flo-Guard breathing filter is designed to be used at the machine-end of a breathing system to protect the patient and machine against cross contamination, while maintaining a low resistance across a wide range of flow rates.

The low resistance makes it an ideal filter for use in both the hospital and home setting, where high flow rates may potentially be used; this includes CPAP, Bilevel and CoughAssist® applications.

The Flo-Guard provides an excellent bacterial and viral filtration efficiency whilst offering a low resistance to flow even at very high flow rates.



Code	1690000 <i>NEW</i>
Box Qty.	50
Bacterial and viral filtration efficiency	>99.99%
Resistance at 30L/min	0.4 cm H ₂ O
Resistance at 60L/min	0.8cm H ₂ O
Resistance at 90L/min	1.4cm H ₂ O
Resistance at 120L/min	2.0cm H ₂ O
Resistance at 150L/min	2.7cm H ₂ O
Resistance at 180L/min	3.4cm H ₂ O
Resistance at 210L/min	4.3cm H ₂ O
Resistance at 240L/min	5.1cm H ₂ O
Compressible volume	80ml
Weight	28g
Connectors	22F-22M

Air-Guard™

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

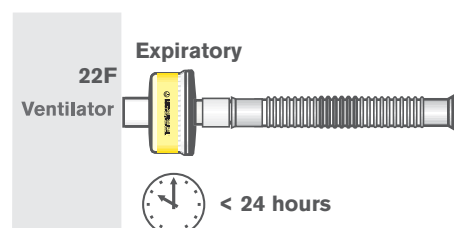
The Air-Guard Clear filter will function as a microbial filter when used to protect oxygen concentrator machines or when used in breathing systems to protect equipment from contamination. Its filtration effectiveness has been tested in accordance with the test method described in ISO EN 23328 - Part 1. It offers HEPA performance and has been independently tested to determine effectiveness against viruses and bacteria.

This product excels as a bacterial and viral filter and can be used as such in a respiratory system providing the maximum period of use is 24 hours, which corresponds to the usual protocols and procedures concerning breathing filters.

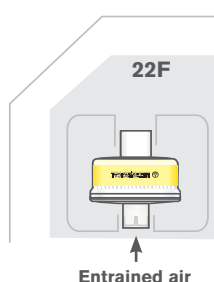


Code	1790000 (S*)
Box Qty.	50 (40*)
Bacterial and viral filtration efficiency	>99.9999%
Resistance to flow at 30L/min	0.7cm H ₂ O
Resistance to flow at 60L/min	1.7cm H ₂ O
Compressible volume	120ml
Weight	56g
Connectors	22F-22M/15F

Respiratory system protection



Oxygen concentrator protection



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

Sterile option available

(S*) Add an S to the seven digit code number for the sterile version of this product eg. 5000000S (sterile box quantity is shown in brackets).

CoughAssist is a registered trade mark of Respirationics, Inc.

Heat and Moisture Exchangers (HMEs)

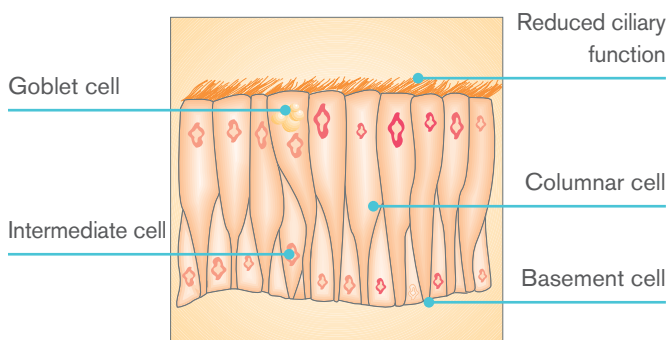
In normal respiration the upper airway helps to warm and humidify inspired air, and to retain the warmth and moisture contained in expired air. During inspiration, even cold or dry air is typically heated to 37°C and fully saturated, containing 44mg H₂O per litre. In mechanical ventilation or anesthesia the patient's upper airway may be bypassed by the introduction of a tracheal tube. As a result the patient's lungs may be confronted with dry inspired gas.

The drying and cooling effect is exacerbated by the presence of the tracheal tube. During expiration, the normal process of absorption of heat and moisture by the upper airway is lost.

Prolonged exposure to dry ventilatory gases can lead to:

- Localised inflammation of the trachea
- A reduction in ciliary function
- Retention and thickening of secretions
- Lowering of patient temperature
- Reduction in cardiopulmonary function
- Increased risk of tracheostomy tube occlusion

Respiratory epithelium adversely affected by heat & moisture loss



Code	1850000	1560000
Box Qty.	20	150
Moisture return	30mg H ₂ O/L	31.6mg H ₂ O/L
Resistance to flow at 30L/min	0.5cm H ₂ O	0.2cm H ₂ O
Resistance to flow at 60L/min	1.6cm H ₂ O	0.8cm H ₂ O
Compressible volume	20ml	59ml
Weight	11.8g	31g
Connectors	15M-22M/15F	22F/15M-22M/15F
Minimum tidal volume	50ml	200ml

Hydro-Trach™ T range

The Hydro-Trach T Mk.II is a heat and moisture exchange device designed for use with spontaneously breathing patients in order to reduce loss of heat and moisture during respiration.

When a patient has a tracheostomy, the normal system of temperature and moisture maintenance is bypassed by the insertion of the tracheostomy tube.

The possible loss of heat and moisture can lead to serious complications, notably damage to cilia and the mucous glands, resulting in retention of sputum and atelectasis, production of mucus plugs and potential tubal occlusion.

Multiple unique features make this an ideal product for prolonged use with spontaneously breathing patients.

Clear housing
For easy visual inspection for possible secretion build up

Anti-occlusion mechanism
Allows the HME element to partially dislodge in the event of total occlusion or vigorous cough

Clipped suctioning port
Allows for easier suctioning without removal of the device

Small and lightweight
Reduces the pull on the patient connection

An integral swivel oxygen connector
Allows for connection of the oxygen tube without the need of a separate oxygen adapter, which can be easily folded away when not in use

Code	1873000 (S*)	1874000 (S*)
Box Qty.	25 (100*)	40 (30*)
Moisture return	26mg H ₂ O/L	26mg H ₂ O/L
Resistance at 30L/min	0.2cm H ₂ O	0.2cm H ₂ O
Resistance at 60L/min	0.7cm H ₂ O	0.7cm H ₂ O
Compressible volume	19ml	19ml
Weight	8g	8g
Connectors	15F	15F
Minimum tidal volume	50ml	50ml
Accessories		1.8m oxygen tube

Average Fi O₂ at variable O₂ flow rates

Oxygen (L/min)	Fi O ₂ at 15 BPM
1	26.5%
2	32.2%
3	35.0%
4	38.2%
5	41.8%
6	44.9%
7	47.9%
8	50.6%

Sterile option available

(S*) Add an S to the seven digit code number for the sterile version of this product eg. 5000000S (sterile box quantity is shown in brackets).

Device filtration

As a specialist in respiratory care and filtration Intersurgical is pleased to offer a wide range of filtration solutions for devices which are in common use for the treatment of patients with respiratory problems. There is a filtration solution offered for the most common devices present in the market.

Obstructive sleep apnoea (OSA) can have a major impact upon the health and life of the individual, but it is a treatable condition. Treatment options include the use of a Continuous Positive Airway Pressure (CPAP) device, that prevents the airway from collapsing by delivering a continuous supply of compressed air via a mask whilst the patient is sleeping. In severe cases a bilevel device which delivers different pressure during the inspiratory and expiratory breath may be required to allow normal uninterrupted sleep.

Why use a filter?

All CPAP and bilevel machines have a filter, normally located at the air intake on the back or side of the machine.

The CPAP machine takes in room air, filters and pressurises it to deliver therapy to help prevent the airway from collapsing during sleep. These devices can also attract debris from the environment, which, may include dust, pet hair, smoke, and other potential allergens. The filter is designed to clear these elements from the air before it reaches the patient's lungs.

How often should I change the CPAP filter?

It is very important to regularly change the CPAP filters. If these become dirty, the air that is breathed in with the device will likewise be unclean. In general it is recommended that the filters be changed or cleaned at least once per month.

If the device is being used in a particularly dirty or dusty environment, it may be sensible to replace the filters more often. Regular checking of the filter will determine how dirty it is becoming and whether increased replacement is necessary. Even if the filter appears clean, it should be replaced on at least a monthly basis or in line with recommendation of the original manufacturer.

What are oxygen concentrators?

An oxygen concentrator is a portable or electrical device that extracts air from the surrounding environment, providing oxygen therapy to a patient via nasal cannula at higher concentrations than available in ambient air. They are used as a safer, less expensive and more convenient alternative to tanks of compressed oxygen.

Drawn air from the environment is passed through a cylinder filled with zeolite pellets where it is compressed to a few times normal atmospheric pressure (typically 20 psi/138 kPa gauge, or 2.36 atmospheres absolute) and passed through the zeolite bed. The bed adsorbs the nitrogen, leaving nearly-pure oxygen in the output - up to 90–95%. There is a compressor inside the machine that can make a noise during use. The reservoir and the concentrator have limited storage, so virtually all the oxygen saved is released into the oxygen tubing for delivery to the patient.

Why is a filter required?

Ambient air contains millions of particles, some of which will be sub-micron. Particles of this size can easily enter and clog the working components of the machine or penetrate deeply into the lungs of the patient.

Air filters are therefore required to:

1. Protect the oxygen concentrator
2. Protect the patient from particulate matter and the risk of infection
3. In some instances they function as a dampener to reduce the level of noise emitted by the machine

Suction devices

These devices provide a source of negative pressure and a collection chamber to allow the safe removal of bodily fluids and secretions.

These devices are prone to both damage and contamination if they are exposed to bodily fluids due to operating errors, the position of a high quality hydrophobic bacterial and viral filter between the suction pump and the secretion canister will help prevent this possibility.

Filters for respirators, ventilators and gas lines



Code	1635001	1790000	1690000
Description	Hydrophobic inline filter for O ₂ /gas concentrators	Air-Guard™ Clear filter	Flo-Guard low resistance filter for CPAP, bilevel and cough assist applications
Box quantity	100	50	50
Bag quantity	10	50	50
Material	Polypropylene	Clear ABS and polycarbonate, Hydrophobic pleated membrane filter	Clear ABS, polypropylene electrostatic membrane filter
Connections	8mm barbed	22M/15F-55F	22M-22F
Bacterial filtration efficiency	99.999%	>99.9999%	>99.99%
Viral filtration efficiency	99.999%	>99.99999%	>99.99%
Compressible volume	–	120ml	80ml
Effective filtration area	22cm ²	–	33cm ²
Filtration ability	0.027 micron	–	–
Resistance to flow at 60L/min	–	–	0.8cmH ₂ O
Weight	–	56g	28g

Suction unit filters



Code	1635003	1635004
Description	Suction filter for DeVilbiss® Vacu-Aide™	Suction filter for ATMOS™
Box quantity	100	100
Bag quantity	10	10
Material	Translucide styrolux	Translucide styrolux
Connections	11mm barbed	D.E. 12mm/9mm
Bacterial filtration efficiency	99.999%	>99.999%
Viral filtration efficiency	99.999%	>99.999%
Effective filtration area	24.6cm ²	24.6cm ²
Maximum operating temperature	100°C	100°C
Maximum operating pressure	20psi	20psi

HEPA filters, foam pre-filters and accessories for oxygen concentrators



Code	1790001	1695026	1790002
Description	Oxygen concentrator intake filter for Invacare® Platinum®	Foam pre-filter for Invacare® Platinum®	Oxygen concentrator intake filter for Respiroics® EverFlo™
Box quantity	10	150	10
Bag quantity	1	10	1
Material	HEPA filter	–	HEPA filter
Bacterial filtration efficiency	99.999%	–	99.999%

DeVilbiss is a registered trade mark of DeVilbiss Healthcare LLC. Vacu-Aide is a trade mark of DeVilbiss Healthcare LLC.

ATMOS is a trade mark of ATMOS Medizintechnik GmbH & Co. KG. Invacare is a registered trade mark of Invacare Corporation.

Platinum is a registered trade mark of Invacare International Corporation. Respiroics is a registered trade mark of Respiroics, Inc.

EverFlo is a trade mark Respiroics, Inc.



Code	1695001	1695002	1790003
Description	Foam top cap for Respirationics® Millennium™	Foam Pre-filter for Respirationics® Millennium™	Oxygen concentrator intake filter for DeVilbiss® Sunrise 515
Box quantity	100	150	10
Bag quantity	10	10	1
Dimensions	65mm D.E. x 20mm D.I.	215mm x 108mm	–
Material	–	–	Clear bronze tinted ABS + pleated paper combined with acoustic foam
Capacity	–	–	Volume up to 100L/min
Noise level	–	–	acoustic media reduces noise
Bacterial filtration efficiency	–	–	99.999%



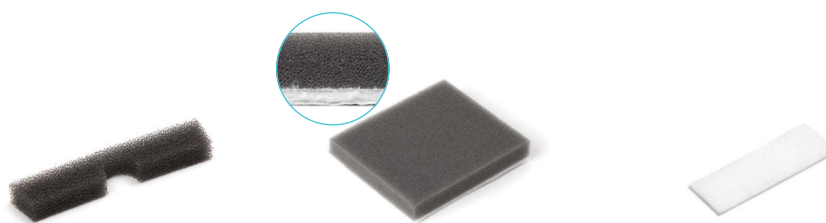
Code	1790004	1695025
Description	Oxygen concentrator intake filter for DeVilbiss® Sunrise 525	Foam pre-filter for Invacare® Homefill®
Box quantity	10	150
Bag quantity	1	10
Dimensions	–	170mm x 85mm x 12mm
Material	Clear bronze tinted ABS + pleated paper combined with acoustic foam	–
Capacity	Volume up to 100L/min	–
Noise level	acoustic media reduces noise	–
Bacterial filtration efficiency	99.999%	–

Respirationics is a registered trade mark of Respirationics, Inc. . Millennium is a trade mark of Respirationics, Inc.

DeVilbiss is a registered trade mark of DeVilbiss Healthcare LLC.

Invacare is a registered trade mark of Invacare Corporation. Homefill is registered trade mark of Invacare International Corporation.

Foam pre-filters and filters for CPAP/bilevel equipment



Code	1695003	1695004	1695005
Description	Foam pre-filter for Breas® Vivo™ 30/40	Filter for Breas® Vivo™ 30/40	Filter for Breas® iSleep™
Box quantity	300	300	400
Bag quantity	10	10	10
Dimensions	85mm x 15.5mm	85mm x 15.5mm	23mm x 66mm



Code	1695006	1695007	1695008
Description	Foam pre-filter for Breas® iSleep™	Filter for ResMed® AutoSet™/ AutoSet Spirit™/ S8 Elite™	Filter for ResMed® S7™
Box quantity	150	400	200
Bag quantity	10	10	50
Dimensions	23mm x 66mm	40mm tapering to 25mm at the top (trapezoidal)	40mm tapering to 30mm at the top (trapezoidal)



Code	1695009	1695010	1695011
Description	Filter for ResMed® S8™	Filter for ResMed® S9 Elite™	Foam pre-filter for Rempro™ Harmony™ 2
Box quantity	200	150	200
Bag quantity	50	50	10
Dimensions	35mm tapering to 25mm at the top (trapezoidal)	53.6mm x 35.6mm	94mm x 40mm

Breas is a registered trade mark of Breas Medical AB. Vivo and iSleep are trade marks of Breas Medical AB.

ResMed is a registered trade mark of ResMed Limited. AutoSet, S8 Elite, S8, S7 and S9 Elite are trade marks of ResMed Limited.

Rempro and Harmony are trade marks of Respironics, Inc.

Foam pre-filters and filters for CPAP/bilevel equipment



Code	1695012	1695013	1695014
Description	Foam pre-filter for Respirationics® M Series/PR one	Filter for Respirationics® M Series/PR one	Filter for Respirationics® Rempro™
Box quantity	150	150	200
Bag quantity	50	10	10
Dimensions	44mm x 23mm x 10mm	45mm x 23mm x 15mm	91mm x 40mm



Code	1695015	1695016	1695017
Description	Foam pre-filter for Respirationics® Harmony™/Synchrony™	Filter for Respirationics® Harmony™/Synchrony™	Foam pre-filter for Covidien® Puritan Bennett® GoodKnight® 418
Box quantity	100	100	200
Bag quantity	10	10	10
Dimensions	120mm x 60mm	122mm x 80mm	132mm x 21mm



Code	1695018	1695019	1695020
Description	Foam pre-filter for Covidien® Puritan Bennett® GoodKnight® 420	Foam pre-filter for Weinmann® SOMNOcomfort™/SOMNOsoft™	Filter for Weinmann® SOMNOcomfort™
Box quantity	500	200	200
Bag quantity	10	10	10
Dimensions	48mm x 23mm	68mm x 68mm	67.5mm x 67.5mm

Respirationics is a registered trade mark of Respirationics, Inc. Rempro, Harmony and Synchrony are trade marks of Respirationics, Inc.

Covidien is a registered trade mark of Covidien AG. Puritan Bennett is a registered trade mark of Covidien LP.

GoodKnight is a registered trade mark of Nellcor Puritan Bennett LLC. Weinmann is a registered trade mark of Weinmann Geräte für Medizin GmbH & Co. KG.

SOMNOcomfort and SOMNOsoft are trade marks of Weinmann.

Foam pre-filters and filters for CPAP/bilevel equipment

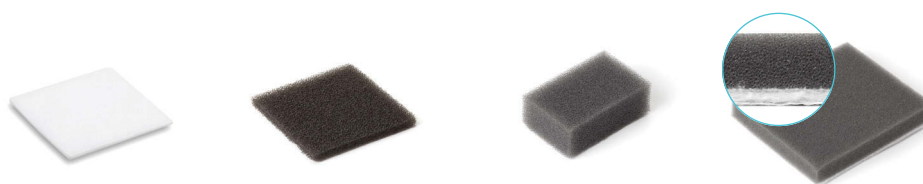


Code	1695027	1695028	1695021
Description	Foam pre-filter for Weinmann® SOMNObalance™	Filter for Weinmann® SOMNObalance™	Filter for Fisher & Paykel® ICON®
Box quantity	50	50	500
Bag quantity	10	10	10
Dimensions	70mm x 30mm	68.5mm x 29.5mm	20mm tapering to 13.8mm at the top (trapezoidal)



Code	1695022	1695023
Description	Filter for Weinmann® SOMNOcomfort™ 2	Foam pre-filter for DeVilbiss® Solaris™
Box quantity	100	150
Bag quantity	10	10
Dimensions	148mm x 78mm	142mm x 93mm

Foam pre-filters and filters for ventilators



Code	1695031	1695032	1695033	1695024
Description	Filter for Breas® Vivo™ 50	Foam pre-filter for Breas® Vivo™ 50	Foam pre-filter for Sefam™ DreamStar® and Covidien® Sandman™	Double filter layer (foam pre-filter + filter) for Covidien® Legendair
Box quantity	150	150	150	150
Bag quantity	10	10	10	10
Dimensions	56mm x 56mm	56mm x 56mm	41mm x 26mm	70mm x 60mm

Weinmann is a registered trade mark of Weinmann Geräte für Medizin GmbH & Co. KG. SOMNObalance and SOMNOcomfort are trade marks of Weinmann.

Fisher & Paykel and ICON are registered trade marks of Fisher & Paykel Healthcare Limited.

DeVilbiss is a registered trade mark of DeVilbiss Healthcare LLC. Solaris is a trade mark of DeVilbiss. Breas is a registered trade mark of Breas Medical AB.

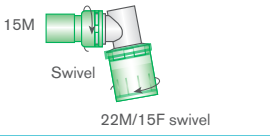
Vivo is a trade mark of Breas Medical AB. Sefam is a trade mark of Sefam Medical. DreamStar is a registered trade mark of Sefam.

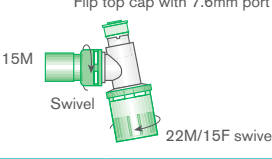
Covidien is a registered trade mark of Covidien AG. Sandman is a trade mark of Covidien.

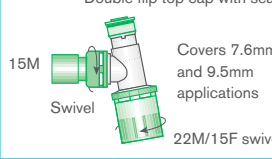
Double swivel elbows

A range of double swivel elbows providing added mobility at the patient connection, with a variety of ports for all clinical applications. All Intersurgical port caps are fixed to the connectors for added safety, preventing loss or misplacement in use.

Please see page 4 for our guide to ports and caps.


Code 1897000 (S*)
Box Qty. 30 (15*)


Code 1899000 (S*)
Box Qty. 35 (15*)

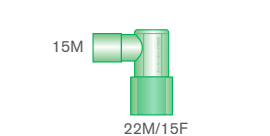

Code 1898000 (S*)
Box Qty. 35 (15*)

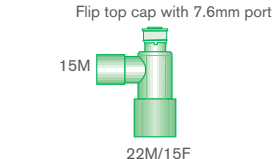


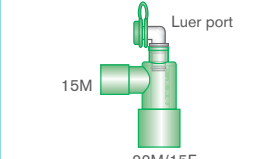
Fixed elbows

A range of fixed elbow connections with a variety of ports for a number of clinical applications. All Intersurgical port caps are fixed to the connectors for added safety, preventing loss or misplacement in use.

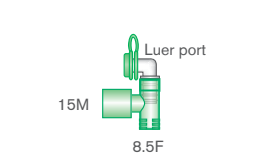
Please see page 4 for our guide to ports and caps.

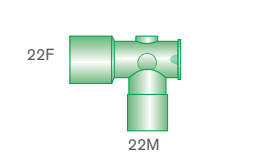

Code 1997000 (S*)
Box Qty. 35 (15*)

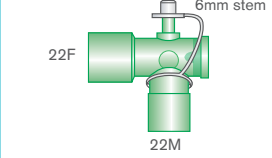

Code 1993000
Box Qty. 30

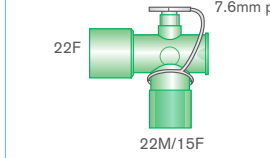

Code 2714000 (S*)
Box Qty. 25 (15*)

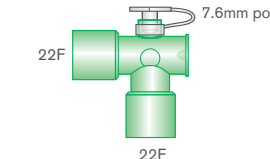


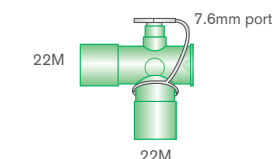

Code 1883000
Box Qty. 70

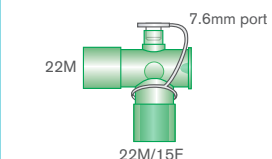

Code 1992000
Box Qty. 25

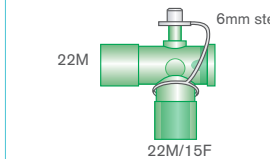

Code 1991000
Box Qty. 20


Code 1893000
Box Qty. 25


Code 1891000
Box Qty. 25


Code 1892000
Box Qty. 25


Code 1995000
Box Qty. 25


Code 1990000
Box Qty. 25

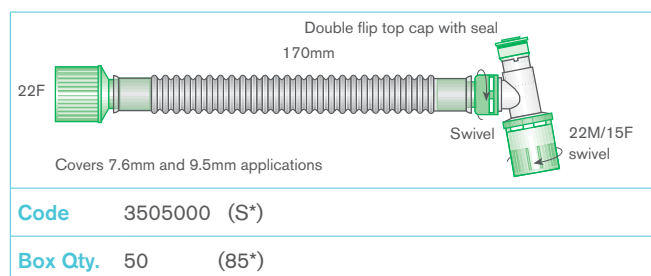
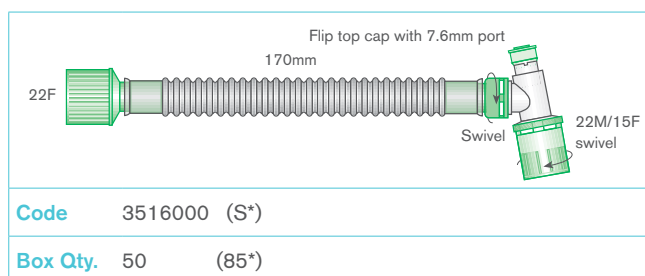
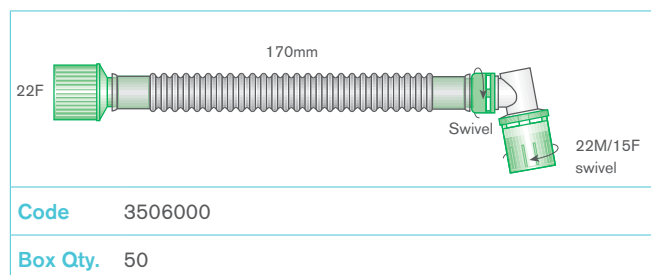
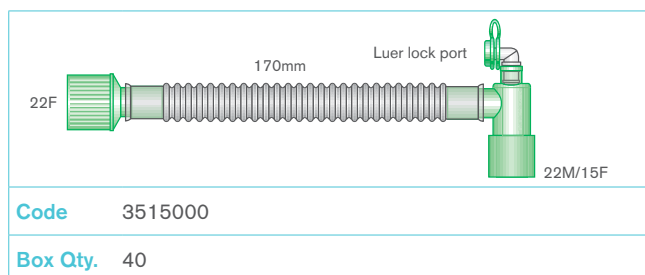
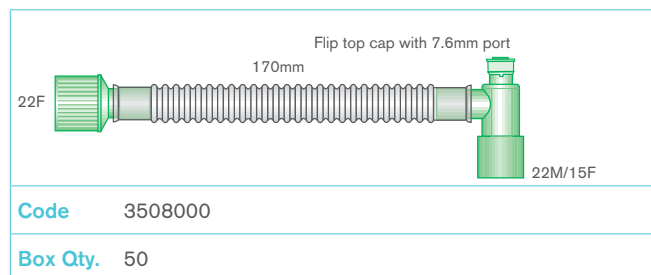
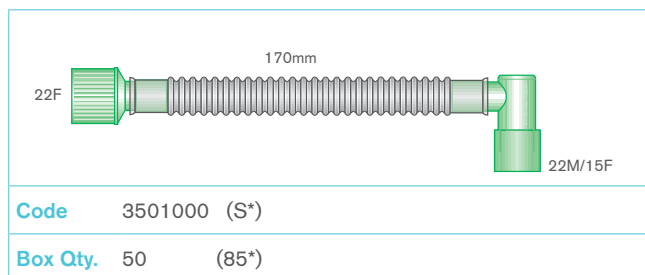
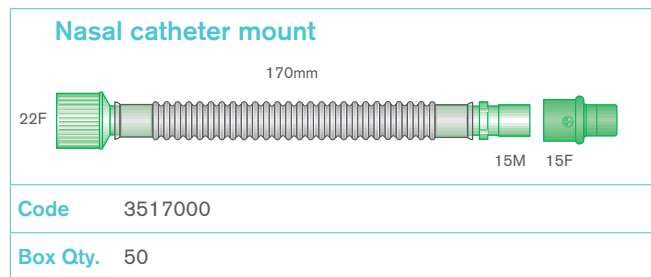
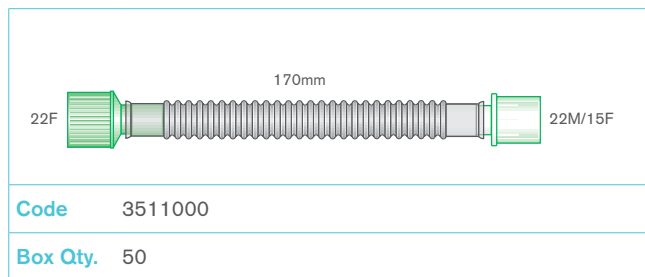
 Sterile option available

(S*) Add an S to the seven digit code number for the sterile version of this product eg. 5000000S (sterile box quantity is shown in brackets).

Flexible catheter mounts

A range of flexible catheter mounts available with a variety of elbow connections and ports for all applications. All Intersurgical port caps are fixed to the connectors for added safety, preventing loss or misplacement in use.

Please see page 4 for our guide to ports and caps.



 Sterile option available

(S*) Add an S to the seven digit code number for the sterile version of this product eg. 5000000S (sterile box quantity is shown in brackets).

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 (code 3504000: 15–36ml) and the adjustment of length from 70mm to 150mm, excluding connectors (code 3504000).

The range is available with fixed and double swivel elbows and a variety of ports for all applications. All Intersurgical port caps are fixed to the connectors for added safety, preventing loss or misplacement in use.

Please see page 4 for the guide to ports and caps.



Code	3504000 (S*)
Box Qty.	75 (75*)

Code	3502000 (S*)
Box Qty.	75 (40*)

Code	3514000 (S*)
Box Qty.	75 (40*)

Code	3512000
Box Qty.	75

Code	3520000 (S*)
Box Qty.	75 (40*)

Covers 7.6mm and 9.5mm applications	
Code	3521000 (S*)
Box Qty.	75 (40*)

Sterile option available

(S*) Add an S to the seven digit code number for the sterile version of this product eg. 5000000S (sterile box quantity is shown in brackets).

Smoothbore catheter mounts

A range of Smoothbore catheter mounts providing good flow characteristics, lower tubing compliance and clear, crush-resistant tubing. Available in a variety of lengths with double swivel elbows and double flip top caps. All Intersurgical port caps are fixed to the connectors for added safety, preventing loss or misplacement in use.

Please see page 4 for the guide to ports and caps




Code	5181000
Box Qty.	75

Code	5120000 (S*)
Box Qty.	50 (85*)

Code	5180000 (S*)
Box Qty.	50 (85*)

Code	5250000 (S*)
Box Qty.	50 (50*)

 Sterile option available

(S*) Add an S to the seven digit code number for the sterile version of this product eg. 5000000S (sterile box quantity is shown in brackets).



Oxygen and Aerosol Therapy

A range of products dedicated to oxygen delivery, humidification of oxygen and nebulisation of drugs.

Oxygen Therapy	45
Aerosol Therapy	53
Nebuliser Therapy.....	55



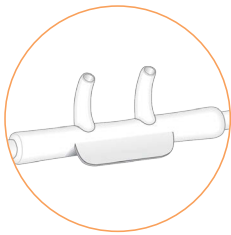
Nasal cannula

Conventional nasal cannula

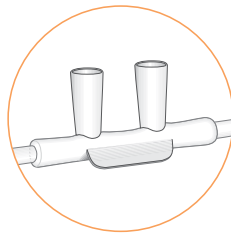
A range of products for adult, paediatric and neonates are available with a wide selection of prong shapes to suit all patient requirements. All oxygen tubing in the range is manufactured in a 'multi-channel' design, which permits oxygen flow even if the tubing is 'kinked'. The Earguard option includes soft silicone foam cushions, which are easily adjusted and securely fitted to prevent trauma to the patient's ears.



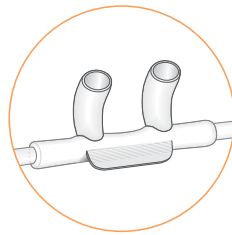
▶ Video available at www.intersurgical.com



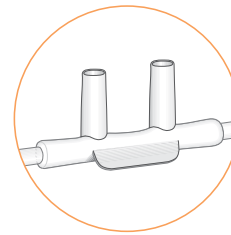
Curved prongs:
Improved anatomical shape and fit



Flared prongs:
Slow down the flow of oxygen



Curved and Flared prongs:
Combines the benefits of both



Straight Prongs






Curved prongs with ear guards:
Improved anatomical fit and patient comfort

Code	Description	Length	Box Qty.
1161000	Adult, nasal cannula with straight prongs and tube	1.8m	50
1161004	Adult, nasal cannula with straight prongs and tube	2.1m	50
1162000	Adult, nasal cannula with straight prongs and tube	5m	20
1169000	Adult, nasal cannula with straight prong, headset and tube	0.5m	100
1165000	Adult, nasal cannula with curved prongs and tube	1.8m	50
1161020	Adult, Satin nasal cannula with straight prongs and tube	1.8m	50
1165020	Adult, Satin nasal cannula with curved prongs and tube	1.8m	50
1165002	Adult, nasal cannula with curved prongs, ear guards and tube	2.1m	50
1165003	Adult, nasal cannula with curved prongs, ear guards and tube	5m	40
1165021	Adult, Satin nasal cannula with curved prongs and tube	2.1m	50
1161021	Adult, Satin nasal cannula with straight prongs and tube	2.1m	50
1166000	Adult, nasal cannula with flared prongs and tube	1.8m	50
1167000	Adult, nasal cannula with curved/flared prongs and tube	1.8m	50
1168000	Adult, nasal cannula with curved/flared prongs, headset and tube	0.5m	100
1163000	Paediatric, nasal cannula with curved prongs and tube	2.1m	50
1164000	Neonatal, nasal cannula with curved prongs and tube	2.1m	50

Phthalate-free nasal cannula

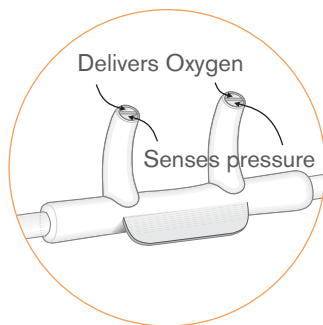
The Phthalate-free range of nasal cannula has been designed to address the concerns of neonatal exposure to DEHP in premature infants and newborns requiring intensive care in a neonatal unit.



Code	Description	Length	Box Qty.	
1160002	Infant, nasal cannula with curved prongs and tube	2.1m	50	
1160001	Neonatal, nasal cannula with curved prongs and tube	2.1m	50	
1160000	Premature, nasal cannula with curved prongs and tube	2.1m	50	

Dual lumen nasal cannula

The dual lumen cannula is specifically designed for use with all electronic or pressure activated portable liquid oxygen systems. It features a dual lumen cannula which delivers oxygen to, and senses demand from, both nostrils. When demand drops so does the supply of oxygen conserving the available supply of gas. The cannula is made from Intersurgical's soft satin material, proven in testing to create 20% less friction to the patient's face and ears compared with a standard cannula.



Code	Description	Length	Box Qty.
1165011	Dual lumen, adult, nasal cannula with curved prongs and tube	1.25m	50
1165012	Dual lumen, adult, nasal cannula with curved prongs and tube	1.8m	50
1165013	Dual lumen, adult, nasal cannula with curved prongs and tube	2.5m	50

Intersurgical EcoLite™ medium concentration oxygen mask

The Intersurgical EcoLite™ Oxygen mask utilises the latest manufacturing technology which enables us to combine two non-PVC materials in the same mask. The material forming the body of the mask is clear and rigid enough to maintain the mask's shape. A second, softer material is utilised in the manufacture of the seal, which is in contact with the patient's face.

The new Intersurgical EcoLite adult oxygen range incorporates additional features based on the original Eco mask design. In addition the chin section of the mask has been extended and two integral seals ensure that the mask now fits a wider range of face shapes.

Lighter
50% lighter than a PVC mask, more comfortable for the patient

Greener 🌱
The elimination of PVC from the masks has dramatically lowered their environmental impact

An incurved nose seal eliminates the need for a separate nose clip, designed to prevent oxygen from entering the patient's eyes

MRI compatible

Soft chin, nose and side seals ensure an exceptional level of patient comfort

Mask retaining elastic can be fitted either below or above the patient's ears

In the preferred "below the ears" position it eliminates the discomfort and trauma that can result from long-term use

Two integral chin seals ensure the Intersurgical EcoLite mask fits a wider range of patient face shapes

📺 Video available at www.intersurgical.com

Adult masks

Code	Description	Tube length	Box Qty.
1136015 NEW	Intersurgical EcoLite, adult, medium concentration oxygen mask		55
1135015 NEW	Intersurgical EcoLite, adult, medium concentration oxygen mask with tube	2.1m	40
1104000	Adult, medium concentration oxygen mask		70
1104001	Adult, medium concentration oxygen mask with ear loops		70
1105000	Adult, medium concentration oxygen mask with tube	1.8m	50
1116000	Adult, medium concentration oxygen mask with nose clip		70
1115000	Adult, medium concentration oxygen mask with nose clip and tube	1.8m	50
1106000	Small adult, medium concentration oxygen mask		70

Paediatric medium concentration mask

The Intersurgical EcoLite™ is the lightest and most comfortable paediatric mask available. Every aspect of the design has been addressed, achieving unparalleled levels of comfort and fit. Not only comfortable for the patient but also comfortable for the environment.

The elimination of PVC from the masks has dramatically lowered their environmental impact.

▶ Video available at www.intersurgical.com



illustrated

Code	Description	Tube length	Box Qty.
1190015	Intersurgical EcoLite, paediatric, medium concentration oxygen mask		42
1196015	Intersurgical EcoLite, paediatric, medium concentration oxygen mask with tube	2.1m	40

High concentration mask

A comprehensive range of adult and paediatric 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).

▶ Video available at www.intersurgical.com



illustrated

Code	Description	Tube length	Box Qty.
1181015	Intersurgical EcoLite, adult, high concentration oxygen mask with tube	2.1m	24
1192000	Paediatric, high concentration oxygen mask with tube	2.1m	40




Silente™ venturi mask kit

The Silente has been designed to operate at a very low noise level. The large diameter body provides space for clear, widely spaced calibration and incorporates a “pull-twist” action to prevent accidental adjustment.

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 flowmeter.



 illustrated

Code	Description	Tube length	Box Qty.
 1137000	Silente, Eco, adult, adjustable venturi mask kit with tube	1.8m	80 
1137015	Silente, Eco, paediatric, adjustable venturi mask kit with tube	1.8m	80 

Venturi valves

A comprehensive range of Venturi valves available individually. These products are designed to meet the requirements of BS EN 13544-3: 2001 and are colour-coded for easy identification.

The flow printed on the valves ensures that the patient receives a total flow of approximately 40 L/min. This is designed to meet the patient's 'normal' peak flow requirements.









Code	Description	Box Qty.
 0060000	Venturi valve 60% oxygen, green	50
 0070000	Venturi valve 50% oxygen, pink	50
 0040000	Venturi valve 40% oxygen, red	50
 0035000	Venturi valve 35% oxygen, yellow	50
 0031000	Venturi valve 31% oxygen, orange	50
 0028000	Venturi valve 28% oxygen, white	50
 0024000	Venturi valve 24% oxygen, blue	50

Venturi valve Intersurgical EcoLite™ mask kits

These kits incorporate the Intersurgical EcoLite masks providing an unprecedented level of comfort and a reduced environmental impact.




Code	Description	Box Qty.
1060085	Intersurgical EcoLite, adult, oxygen mask with 60% venturi valve, green	40 
1040085	Intersurgical EcoLite, adult, oxygen mask with 40% venturi valve, red	40 
1035085	Intersurgical EcoLite, adult, oxygen mask with 35% venturi valve, yellow	40 
1031085	Intersurgical EcoLite, adult, oxygen mask with 31% venturi valve, orange	40 
1028085	Intersurgical EcoLite, adult, oxygen mask with 28% venturi valve, white	40 
1024085	Intersurgical EcoLite, adult, oxygen mask with 24% venturi valve, blue	40 

Intersurgical EcoLite adult mask venturi kit

A complete kit comprised of five valves, an adult Intersurgical EcoLite aerosol mask, oxygen tube and humidification cup. The flow printed on the valves ensures that the patient receives a total flow of approximately 40 L/min. This is designed to meet the patient's 'normal' peak flow requirements.



Code	Description	Box Qty.
1107085	Intersurgical EcoLite, adult, venturi mask kit	25 

AquaFlow™ oxygen bubble humidifiers

A comprehensive range of devices for delivering 'unheated' humidification to your patients. Designed to accept either refillable or Baxter® pre-filled sterile water bottles, the AquaFlow range of bubble humidifiers are suitable for patients receiving variable oxygen therapy.



Code	Description	Box Qty.
1506000	AquaFlow, oxygen bubble humidifier without bottle	30
1507000	AquaFlow, oxygen bubble humidifier with bottle, 500ml	20
1505000	AquaFlow, oxygen bubble humidifier with bottle plus M12 adaptor, 500ml	20
1521000	AquaFlow, homecare oxygen bubble humidifier with bottle, 120ml	20
1520000	AquaFlow, homecare bubble humidifier with bottle plus M12 adaptor, 120ml	20

Flowmeter adaptors

Oxygen therapy flowmeters are available with a variety of connection types. The Intersurgical range of adaptors has been designed to permit the attachment of humidification devices with 9/16 UNF (D.I.S.S) threaded couplings to a variety of flowmeter types.

Please download the explanatory poster entitled Oxygen Therapy Flowmeters to choose the most suitable adaptor for your application:



www.intersurgical.com/products/oxygen-and-aerosol-therapy/flowmeter-adaptors

Code	Description	Box Qty.
1508001	Sure Loc™ flowmeter adaptor	45
1506001	BOC® flowmeter adaptor	50
1509001	Flowmeter adaptor M12	50
1504001	Oxygen flowmeter nipple D.I.S.S	50
1505001	Oxygen flowmeter nipple M12	50



Baxter is a trademark of Baxter International Inc. BOC is a trademark of the BOC Group Ltd.

Oxygen tubing

Multi-channel tubing in a number of lengths. A non-PVC version is available providing an environmentally friendly choice.

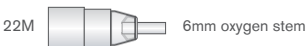



 illustrated

Code	Description	Length	Box Qty.
1180000	Oxygen thick wall tube, 5mm ID–7mm OD (1 roll)	50m	1
1170000	Oxygen bubble tube, 4mm–8mm ID (1 roll)	50m	1
1175000	Multi-channel oxygen tube	4m	30
1174010	Non-PVC, multi-channel oxygen tube	2.1m	100 
1174003	Multi-channel oxygen tube	2.1m	100
 1174000	Multi-channel oxygen tube	1.8m	125
1173000	Multi-channel oxygen tube with wide connector	1.8m	60
1178000	Sure Loc™ multi-channel oxygen tube	1.8m	125
1476000	Sure Loc oxygen tube with flowmeter adaptor	1.8m	75

Oxygen tube connectors

Male and female straight oxygen connectors, with 6mm oxygen stems.

	
Code	1968000
Box Qty.	50




	
Code	1568000
Box Qty.	40

Aerosol face masks

A comprehensive range of masks, available in paediatric, small adult and adult sizes and include designs with or without nose clips. Intersurgical EcoLite™ options are available that are made from non-PVC material, which are part of our Eco range.



 illustrated

Code	Description	Box Qty.
 1188015	Intersurgical EcoLite, adult, aerosol mask	50 
1198015	Intersurgical EcoLite, paediatric, aerosol mask	42 
1103000	Adult, aerosol mask	70
1108000	Adult, aerosol mask with nose clip	70
1101000	Small adult, aerosol mask	70
1148000	Paediatric, aerosol mask	35
1198000	Paediatric, aerosol mask with nose clip	50


Tracheostomy masks and T-pieces



A high quality, lightweight mask with a quick-release elastic for ease of use.

Because we don't use any PVC the environmental impact is significantly less than conventional masks, in fact 82% less.



 illustrated

 Video available at www.intersurgical.com

Code	Description	Box Qty.
 1200050	Intersurgical EcoLite, adult, tracheostomy mask	30 
1206000	Paediatric, tracheostomy mask	35
1980000	Tracheostomy T-piece 22M-22M-22M/15F	25
1984000	Tracheostomy T-piece with 7.6mm port 22M-22M-22M/15F	25

Aerosol therapy accessories

A range of accessories for aerosol therapy.



1966001



1964001



1947001



1947003

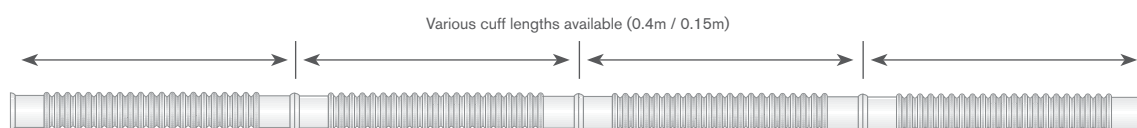


1953000

Code	Description	Box Qty.
1966001	Straight connector 22M-MDI port-22M	25
1964001	Straight connector 22M-MDI port away from patient-22F	25
1947001	Straight connector 15M-MDI port away from patient-15F	25
1947003	Straight connector 15M-MDI port towards patient-15F	25
1953000	Anti-pollution T-piece directional valve, 22F-22MV-22M	25

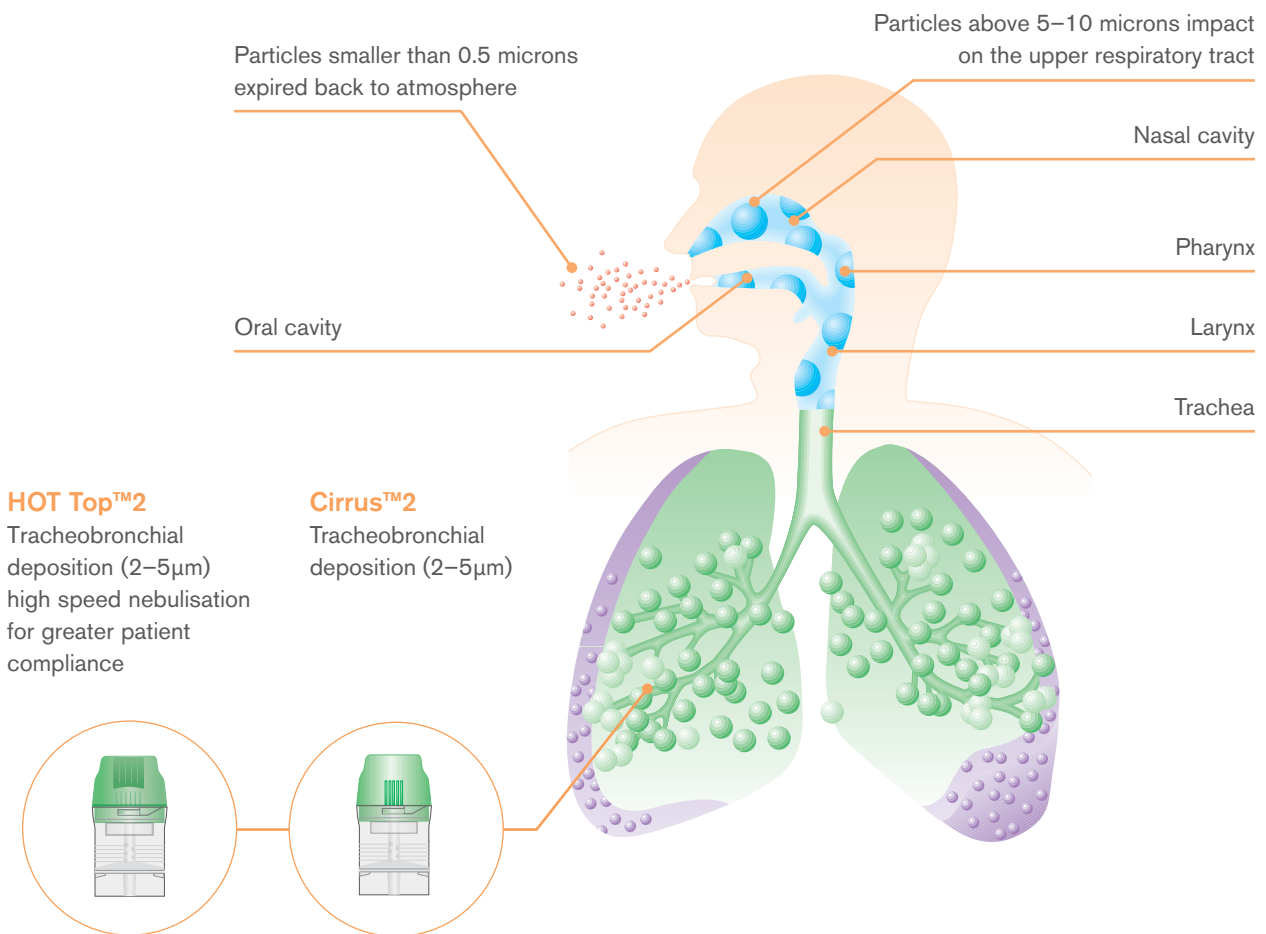
Aerosol tubing

A range of 15mm and 22mm Flextube™ available with various cuff lengths for use within aerosol therapy.



Code	Description	Length	Box Qty.
1528000	22mm Flextube	1.6m lengths	30
1574000	22mm Flextube	50m roll cuffed at 0.4m	1
1573000	22mm Flextube	50m roll cuffed at 0.15m	1
1574006 <i>NEW</i>	22mm aerosol tube – not for use in breathing systems	50m roll cuffed at 0.4m	1
1576000	15mm Flextube	50m roll cuffed at 0.4m	1
1575000	15mm Flextube	50m roll cuffed at 0.15m	1
1574900	22mm Flextube	50m roll cuffed at 0.4m	5

Choosing a nebuliser



Tracheobronchial deposition



HOT Top2 nebuliser

The HOT Top2 is designed for high speed nebulisation. It significantly reduces treatment time compared with conventional nebulisers.

At a driving gas flow of 8 L/min, 80% of the volume output will be particles of less than 5 microns in diameter with a Mass Median Diameter (MMD) of 3 microns.



Cirrus2 nebuliser

The Cirrus2 has been designed to minimise the residual volume and reduce drug wastage.

At a driving gas flow of 8 L/min, 74% of the volume output will be particles less than 5 microns in diameter with a MMD of 3.3 microns.

Cirrus™2 nebuliser and nebuliser mask kits

Based on the well-established Cirrus nebuliser the Cirrus2 incorporates a number of improved features. These include a lower residual volume to reduce drug waste and a calibrated drug cup indicating how much drug is in the nebuliser.

The cup now has a quick-release fitting which enables the nebuliser to be attached, as well as detached, with a quarter turn.

This speeds up the refilling process and provides a more reliable seal between the cup and the nebuliser body.

▶ Video available at www.intersurgical.com

The Cirrus2 nebuliser is designed to deliver drugs for tracheobronchial deposition. At a driving gas flow of 8 L/min, 74% of the volume output will comprise particles of less than 5 microns in diameter with a Mass Median Diameter (MMD) of 3.3 microns.

The Cirrus2 Adult mask kit incorporates the Intersurgical EcoLite™ aerosol mask, this non-PVC mask reduces the environmental impact of this product compared with a conventional mask kit by 28%.

Calibrated nebuliser cup

Accuracy and faster preparation

Low residual volume

Reduced drug waste




Standard 22F Taper

Fits masks, T-pieces and mouthpieces

Quick-release fitting

Attaches and detaches easily

Code	Description	Tube length	Box Qty.
1402000	Cirrus2 nebuliser		75
1453015	Cirrus2 nebuliser, adult, Intersurgical EcoLite mask kit and tube	2.1m	30 
1453010	Cirrus2 nebuliser, adult, Eco mask kit and non-PVC tube	2.1m	30 
1454015	Cirrus2 nebuliser, paediatric, Intersurgical EcoLite mask kit and tube	2.1m	36 
1455000	Cirrus2 nebuliser, one-piece mouthpiece kit and tube	2.1m	35
1464000	Cirrus2 nebuliser, universal mouthpiece T-kit		40
1464004	Cirrus2 nebuliser universal mouthpiece T-kit and filter		20
2507002	Cirrus2 neonatal nebuliser bagging kit		18
2605000	Cirrus2 nebuliser breathing system T-kit, 22mm		40
2606000	Cirrus2 nebuliser breathing system T-kit, 15mm		35
2608000	Cirrus2 nebuliser breathing system T-kit, 10mm		45
1958000	Cirrus2 nebuliser anti-pollution control kit		20

Self-sealing T-piece

The Cirrus2 is now available with a self-sealing T-piece, which enables the nebuliser to be attached (or detached) from the ventilator without interfering with patient ventilation or inadvertently activating any alarms.

▶ Video available at www.intersurgical.com



Code	Description	Box Qty.
2609000	Cirrus2 nebuliser self-sealing T-piece kit, 22mm	35
1814000	Self-sealing in-line T-piece 22M-22F, 22M	40

 Lower environmental impact product

HOT Top™2 nebuliser

The HOT Top2 nebuliser is a new design of “open” nebuliser incorporating twin entrainment ports resulting in high output flows which in turn result in reduced treatment times and improved patient compliance.

In addition the HOT Top2 nebuliser incorporates a number of improved features. These include a lower residual volume to reduce drug waste. A calibrated drug cup, indicating how much drug is in the nebuliser, has a quick-release fitting which enables the nebuliser to be attached and detached with a quarter turn. This speeds up the refilling process and provides a more reliable seal between the cup and the nebuliser body.

The HOT Top2 nebuliser is designed to deliver drugs for tracheobronchial deposition. At an optimum driving gas flow of

8 L/min, 80% of the volume output will comprise particles of less than 5 microns in diameter with a Mass Median Diameter (MMD) of 3 microns.

At the lower driving gas flow of 6 L/min the performance is equivalent to a conventional “closed” nebuliser making it suitable for use with compressors, which typically have lower flow outputs¹.

The HOT Top2 mask kits incorporate the Intersurgical EcoLite™ aerosol mask, this non-PVC mask reduces the environmental impact of this product compared with a conventional mask kit by 28%.

▶ Video available at www.intersurgical.com

Faster treatment times

Improved patient compliance

Calibrated nebuliser cup

Accuracy and quicker preparation for use



Standard 22F Taper

Fits masks, T-pieces and mouthpieces



Quick-release fitting

Fast filling

Low residual volume

Reduced drug waste



HOT Top2 nebulisers – Standard base

Code	Description	Tube length	Box Qty.
1472015	HOT Top2 nebuliser		65
1463015	HOT Top2 nebuliser, adult, Intersurgical EcoLite mask kit with tube	1.8m	30 
1468015	HOT Top2 nebuliser, paediatric, Intersurgical EcoLite mask kit with tube	1.8m	36 
1478015	HOT Top2 nebuliser mouthpiece kit with tube	1.8m	45

HOT Top2 nebulisers – Sure Loc™ Base

HOT Top2 nebulisers are available with a Sure Loc base, when used with Intersurgical Sure Loc tube and adaptor this system provides secure connections, preventing accidental tube disconnections from the nebuliser and the flowmeter.



Code	Description	Tube length	Box Qty.
1473015	HOT Top2 nebuliser Intersurgical EcoLite mask kit, Sure Loc base with tube	1.8m	30 
1474015	HOT Top2 nebuliser Intersurgical EcoLite paediatric mask kit, Sure Loc base with tube	1.8m	36 
1475015	HOT Top2 nebuliser mouthpiece kit, Sure Loc base with tube	1.8m	45
1471015	HOT Top2 nebuliser, Sure Loc base		65



Lower environmental impact product

Reference: 1. Konceviciute. J. 98881 17.07.12

Code	Page	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page	
0		1169000	45	1574900	54	1801000	23	1964000	21	2606000	56	5080000	13	5809000	14	
		1170000	52	1575000	54	1802000	23	1964001	54	2608000	56	5113005	11	5811000	14	
0024000	49	1173000	52	1576000	54	1814000	56	1965000	21	2609000	56	5113006	8,11	5904000	19	
0028000	49	1174000	52	1635001	33	1850000	30	1966000	21	2714000	39	5113010	11	5905000	19	
0031000	49	1174003	52	1635003	34	1873000	31	1966001	54	2714000S	39	5113012	20			
0035000	49	1174010	52	1635004	34	1873000S	31	1967000	21			3	5113013	20	7	
0040000	49	1175000	52	1644007	28	1883000	39	1968000	21,52				5113018	8	7191000	15
0060000	49	1178000	52	1690000	29,33	1891000	39	1969000	21	3501000	40		5113077	11	7192000	15
0070000	49	1180000	52	1695001	35	1892000	39	1970000	21	3501000S	40		5118000	12	7193000	15
		1181015	48	1695002	35	1893000	39	1971000	21	3502000	41		5118001	12	7194000	15
1		1188015	53	1695003	36	1897000	39	1974000	22	3502000S	41		5118003	12		
1024085	50	1190015	48	1695004	36	1897000S	39	1975000	21	3504000	41		5120000	42		
1028085	50	1192000	48	1695005	36	1898000	39	1976000	22	3504000S	41		5120000S	42		
1031085	50	1196015	48	1695006	36	1898000S	39	1977000	21	3505000	40		5180000	42		
1035085	50	1198000	53	1695007	36	1899000	39	1978000	21	3505000S	40		5180000S	42		
1040085	50	1198015	53	1695008	36	1899000S	39	1979000	22	3506000	40		5181000	42		
1060085	50	1200050	53	1695009	36	1900000	24	1980000	23,53	3508000	40		5182000	11		
1101000	53	1206000	53	1695010	36	1901000	24	1981000	23	3511000	40		5183000	11		
1103000	53	1344007S	28	1695011	36	1902000	24	1982000	23	3512000	41		5183064	11		
1104000	47	1402000	56	1695012	37	1903000	24	1983000	23	3512000S	41		5190000	10		
1104001	47	1453010	56	1695013	37	1911000	20	1984000	23,53	3514000	41		5190850	10		
1105000	47	1453015	56	1695014	37	1912000	20	1985000	23	3514000S	41		5191000	9,10		
1106000	47	1454015	56	1695015	37	1915000	20	1986000	23	3515000	40		5191004	10		
1107085	50	1455000	56	1695016	37	1916000	20	1987000	23	3516000	40		5191006	9		
1108000	53	1463015	57	1695017	37	1921000	23	1988000	23	3516000S	40		5191008	10		
1115000	47	1464000	56	1695018	37	1926000	24	1989000	23	3517000	40		5191010	10		
1116000	47	1464004	56	1695019	37	1927000	24	1990000	39	3520000	41		5191850	9		
1135015	47	1468015	57	1695020	37	1928000	24	1991000	39	3520000S	41		5191852	10		
1136015	47	1471015	57	1695021	38	1929000	24	1992000	39	3521000	41		5194000	8		
1137000	49	1472015	57	1695022	38	1930000	21	1993000	39	3521000S	41		5194850	8		
1137015	49	1473015	57	1695023	38	1931000	21	1995000	39			5	5195000	9		
1148000	53	1474015	57	1695024	38	1937000	21	1997000	39				5195850	9		
1160000	46	1475015	57	1695025	35	1938000	21	1997000S	39	5000000	10,11		5197000	10		
1160001	46	1476000	52	1695026	34	1943000	22			5000005	11		5198000	10		
1160002	46	1478015	57	1695027	38	1944000	28	2		5001000	11		5200000	11		
1161000	45	1504001	51	1695028	38	1945000	22	2000098	16	5001005	16		5200001	8		
1161004	45	1505000	51	1695031	38	1946000	22	2000099	16	5001006	16		5206000	13		
1161020	45	1505001	51	1695032	38	1947000	22	2000213	16	5001007	16		5207000	11		
1161021	45	1506000	51	1695033	38	1947001	54	2310000	17	5003000	13		5209000	11		
1162000	45	1506001	51	1701000	22	1947003	54	2311000	19	5004000	13		5209005	8		
1163000	45	1507000	51	1702000	22	1948000	22	2312000	19	5005000	13		5218000	13		
1164000	45	1508001	51	1703000	22	1949000	22	2313000	19	5006000	13		5250000	42		
1165000	45	1509001	51	1704000	22	1950000	23	2314000	19	5007003	11		5250000S	42		
1165002	45	1510000	21	1705000	22	1952000	23	2315000	19	5009000	11		5317000	13		
1165003	45	1520000	51	1706000	22	1953000	23,54	2316000	19	5009001	11		5318000	12		
1165011	46	1521000	51	1745000	28	1954000	23	2317000	19	5009009	12		5326000	13		
1165012	46	1528000	54	1790000	29,33	1955000	23	2318000	19	5010000	13		5418000	12		
1165013	46	1544007	28	1790000S	29	1958000	56	2319000	19	5012000	13		5500000	12		
1165020	45	1560000	30	1790001	34	1959000	23	2320000	17	5015000	13		5513000	12		
1165021	45	1568000	21,52	1790002	34	1960000	21	2321000	19	5016000	12		5572000	19		
1166000	45	1573000	54	1790003	35	1961000	21	2340000	17	5018000	13		5804000	14		
1167000	45	1574000	54	1790004	35	1962000	22	2507002	56	5020000	13		5805000	14		
1168000	45	1574006	54	1800000	23	1963000	21	2605000	56	5024000	12		5808000	14		

Visit our website

We have made significant changes to provide a better online experience for visitors to our website. It is now much easier to navigate around and find what you want. We have added educational video clips and literature downloads that provide useful tools for educators and clinicians. If you have an enquiry this can be placed at product level, let us know how we can help.

www.intersurgical.com

Interact with us



Intersurgical worldwide

If you can't find what you are looking for, or you would like to place an order then please contact your local subsidiary (detailed below). For all other international enquiries please contact customer care on +44 (0) 118 9656 300, email us at info@intersurgical.com or find your local distributor at www.intersurgical.com/distributors



United Kingdom
+44 (0)118 9656 300
info@intersurgical.co.uk



Ireland
+353 (0)1 4688230
info@intersurgicalinc.ie



France
00 33 (0)1487 67230
info@intersurgical.fr



Deutschland
00 49 2241 311063
info@intersurgical.de



España
00 34 916 657 315
info@intersurgical-es.com



Portugal
00 351 219 108 550
info@intersurgical.pt



Italia
+39 0535 20836
info@intersurgical.it



Nederland
00 31 413 243 860
info@intersurgical.nl



Sverige
00 46 8 514 30 600
info@intersurgical.se



Lietuva
00 370 3876 6611
info@intersurgical.lt



Россия
+7 (495) 7716809
info@intersurgical.ru



Česká Republika
+420 272 911 814
info@intersurgical.cz



South Africa
00 27 (0) 11 444 7968
info@intersurgical.co.za



China
+86-519-83066198
lingjun@intersurgical-cn.com



Japan
+81 (0) 03 6809 2046
info@intersurgical.co.jp



Taiwan
+886-4-2380-5430
info@intersurgical.com.tw



Philippines
00 63 2820 4124
info@intersurgical.ph



USA
001 315 4512 900
support@intersurgicalinc.com



Colombia
+57 (1) 742 5161
info@intersurgical.co



Australia
+61 (0) 2 8048 3300
info@intersurgical.com.au

Intersurgical

Crane House, Molly Millars Lane,
Wokingham, Berkshire, RG41 2RZ
United Kingdom

T: +44 (0) 118 9656 300

F: +44 (0) 118 9656 356

info@intersurgical.com

www.intersurgical.com



Distributor:

www.intersurgical.com/distributors