

# Intersurgical Product catalogue

Patient solutions for airway management, anaesthesia, critical care and oxygen & aerosol therapy.



# Committed to care

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.

Experience in this area helps us to understand the changing and challenging clinical environments and needs of our customers. Innovation throughout the business helps us to deliver high quality products and services that offer value and choice.

Our aim is to maintain the highest standards in everything we do: for our employees, clinicians and patients alike. These core principles and values mean Intersurgical is a company you can trust, driven by a commitment to care.

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



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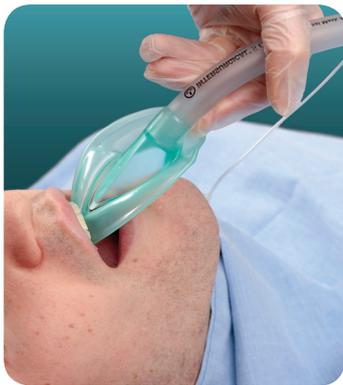




## Airway management

A range of airway management devices including a comprehensive choice of supraglottic airways, from the innovative i-gel to laryngeal mask options. The range also includes sterile and unsterile Guedel airways, endotracheal tubes, laryngoscope blades, filters, HMEs HMEFs and patient connections.

- [Airway devices](#)
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- [Breathing filters, HMEs and HMEFs](#)



**INTERSURGICAL**  
COMPLETE RESPIRATORY SYSTEMS

# i-gel<sup>®</sup> supraglottic airway

For use in anaesthesia and resuscitation



Code	8205	8204	8203	8225	8202	8215	8201
Box qty	25	25	25	10	10	10	10
Size	5	4	3	2.5	2	1.5	1
Weight (kg)	90+	50-90	30-60	25-35	10-25	5-12	2-5
Patient	large adult	medium adult	small adult	large paediatric	small paediatric	infant	neonate

### The i-gel<sup>®</sup>

A truly unique, single use, supraglottic airway with a non-inflatable cuff, available in a full range of adult and paediatric sizes. i-gel incorporates a gastric channel to improve and enhance patient safety, an integral bite block to reduce the possibility of airway channel occlusion and buccal cavity stabiliser to aid insertion and avoid the potential for rotation. i-gel has been included in the new European Resuscitation Council Guidelines published in 2010.

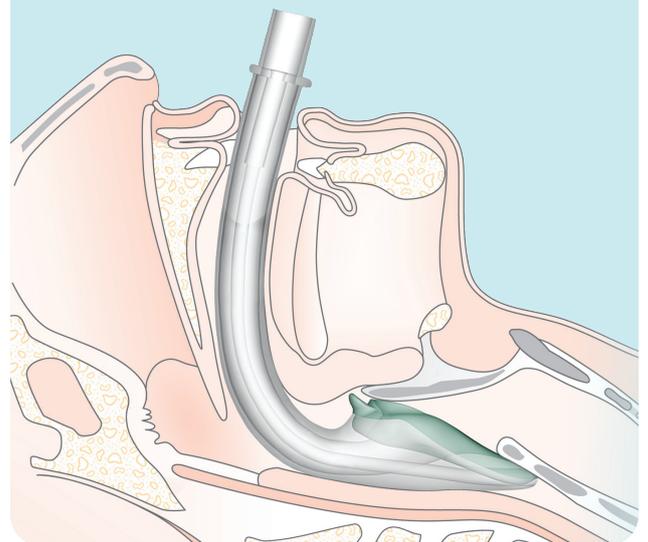


[www.i-gel.com](http://www.i-gel.com)

visit [www.i-gel.com](http://www.i-gel.com) for videos, user guides, product information, FAQs and other downloads

### Accurate and natural positioning

The i-gel accurately and naturally positions itself over the laryngeal framework, providing a reliable perilaryngeal seal without the need for an inflatable cuff.



## Solus® standard laryngeal mask airway

Single use laryngeal mask airway ideal for use in anaesthesia and emergency medicine



[www.youtube.com/intersurgical](http://www.youtube.com/intersurgical)



Code	8005	8004	8003	8025	8002	8015	8001
Box qty	20	20	20	20	20	20	20
Size	5	4	3	2.5	2	1.5	1
Weight (kg)	>70	50-70	30-50	20-30	10-20	5-10	<5

## Solus® Satin laryngeal mask airway

With softer airway tube



Code	8005003	8004003	8003003
Box qty	20	20	20
Size	5	4	3
Weight (kg)	>70	50-70	30-50

## Solus® flexible wire-reinforced laryngeal mask airway

Permits flexing without kinking



Code	8005001	8004001	8003001	8025001	8002001
Box qty	20	20	20	20	20
Size	5	4	3	2.5	2
Weight (kg)	>70	50-70	30-50	20-30	10-20

## Solus® MRI safe laryngeal mask airway

With non-ferrous valves guaranteed not to interfere with the magnet in an MRI unit



Code	8005002	8004002	8003002	8025002	8002002	8015002	8001002
Box qty	20	20	20	20	20	20	20
Size	5	4	3	2.5	2	1.5	1
Weight (kg)	>70	50-70	30-50	20-30	10-20	5-10	<5

## InTube® cuffed endotracheal tubes

With high volume, low pressure cuff



Code	8040100	8040095	8040090	8040085	8040080	8040075
Box qty	10	10	10	10	10	10
Size	10	9.5	9	8.5	8	7.5

Code	8040070	8040065	8040060	8040055	8040050	8040045
Box qty.	10	10	10	10	10	10
Size	7	6.5	6	5.5	5	4.5

## InTube® uncuffed endotracheal tubes



Code	8050070	8050065	8050060	8050055	8050050	8050045
Box qty	10	10	10	10	10	10
Size	7	6.5	6	5.5	5	4.5

Code	8050040	8050035	8050030	8050025	8050020
Box qty	10	10	10	10	10
Size	4	3.5	3	2.5	2

## InTube® reinforced endotracheal tubes

With high volume, low pressure cuff



Code	8060100	8060095	8060090	8060085	8060080	8060075
Box qty	10	10	10	10	10	10
Size	10	9.5	9	8.5	8	7.5

Code	8060070	8060065	8060060	8060055	8060050	8060045
Box qty	10	10	10	10	10	10
Size	7	6.5	6	5.5	5	4.5

## One-piece Guedel airways

With colour-coded integral bite block providing a safer choice. Sterile options available.



**eco** Lower environmental impact product

Code	1115120	1114100	1113090	1112080	1111570	1111065	1110055	1100050	1000035
Box qty	70	80	80	100	100	20	25	25	25
Size	5 (12.0)	4 (10.0)	3 (9.0)	2 (8.0)	1.5 (7.0)	1 (6.5)	0 (5.5)	00 (5.0)	000 (3.5)
Colour									
<b>eco</b>	✓	✓	✓	✓	✓	✓	✓	✓	✓
Sterile option code	1115120S	1114100S	1113090S	1112080S	1111570S	1111065S	1110055S	1100050S	1000035S

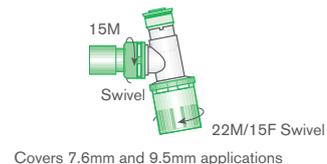
## Laryngoscope blades

Miller and Macintosh plastic single use laryngoscope blades, compatible with ISO 7376-3 green specification handles.



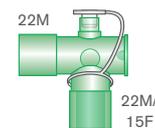
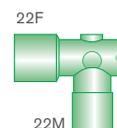
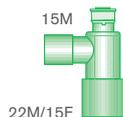
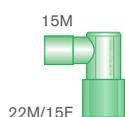
Code	7044	7043	7042	7041	7040
Box qty	40	40	50	70	70
Size	4	3	2	1	0
Blade style	Macintosh	Macintosh	Macintosh	Miller	Miller

## Double swivel elbows

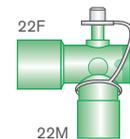
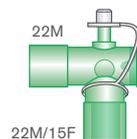
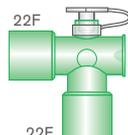
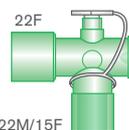
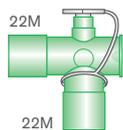


Code	1897	1899	1898
Box qty	35	40	35
Flip top cap		✓	
7.6mm port		✓	
Double flip top cap with seal			✓
Sterile option code	1897000S	1899000S	1898000S
Sterile box qty	15	15	15

## Fixed elbows for direct patient connection

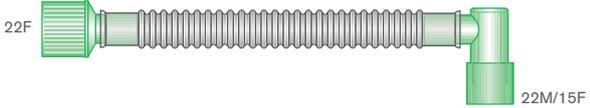
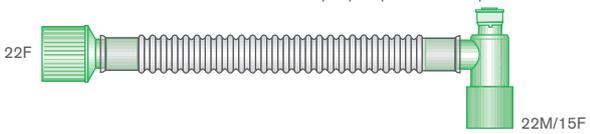
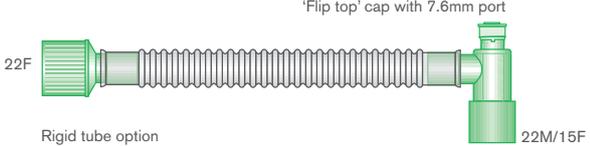
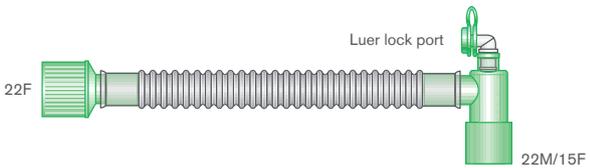
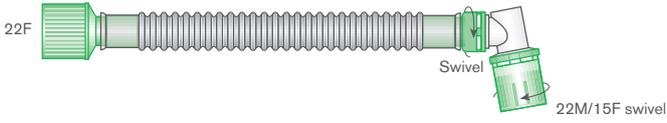
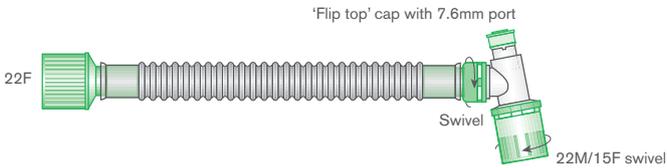
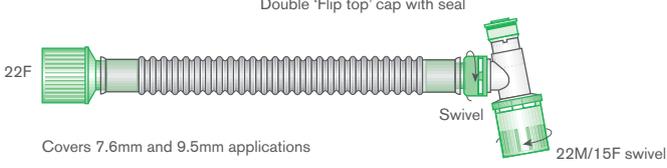
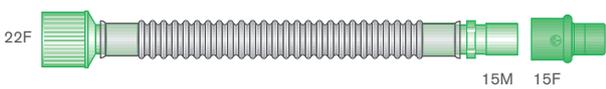


Code	1997	1993	2714	1883	1992	1995
Box qty	35	35	25	70	25	25
Luer lock port			✓	✓		
Flip top cap		✓				
7.6mm port		✓				✓
Sterile option code	1997000S		2714000S			
Sterile box qty	15		15			



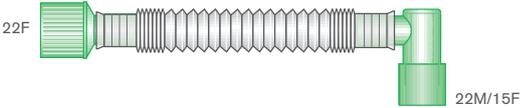
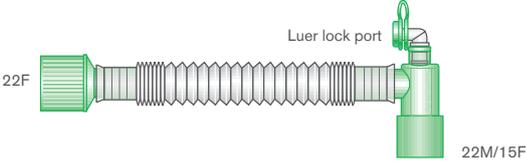
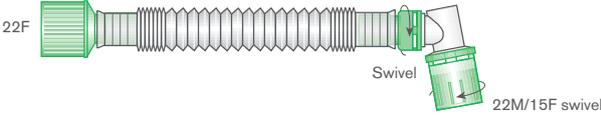
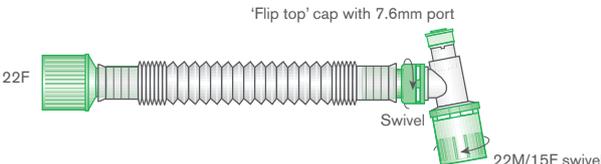
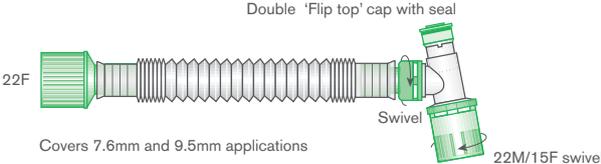
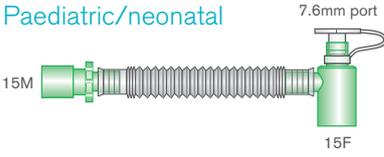
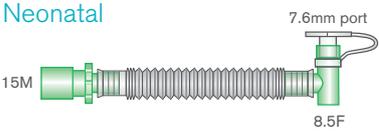
Code	1892	1893	1891	1990	1991
Box qty	25	25	25	25	20
7.6mm port	✓	✓	✓		
6mm stem				✓	✓

## Flexible catheter mounts

	Code	Box qty	Length	Sterile option code	Sterile box qty
 <p>22F 22M/15F</p>	3511	50	170mm		
 <p>22F 22M/15F</p>	3501	50	170mm	3501000S	85
<p>'Flip top' cap with 7.6mm port</p>  <p>22F 22M/15F</p>	3508	50	170mm		
<p>'Flip top' cap with 7.6mm port</p>  <p>Rigid tube option 22M/15F</p>	2500	50	170mm		
<p>Luer lock port</p>  <p>22F 22M/15F</p>	3515	40	170mm		
 <p>22F Swivel 22M/15F swivel</p>	3506	50	170mm		
<p>'Flip top' cap with 7.6mm port</p>  <p>22F Swivel 22M/15F swivel</p>	3516	50	170mm	3516000S	85
<p>Double 'Flip top' cap with seal</p>  <p>22F Swivel 22M/15F swivel</p> <p>Covers 7.6mm and 9.5mm applications</p>	3505	50	170mm	3505000S	85
<p>Nasal catheter mount</p>  <p>22F 15M 15F</p>	3517	50	170mm		

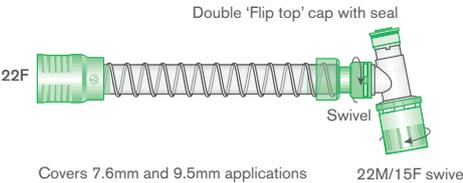
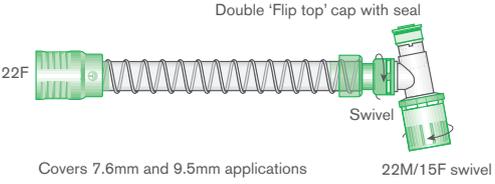
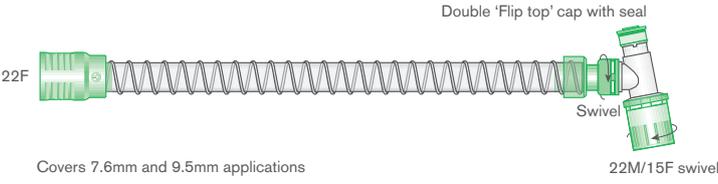
## Superset® catheter mounts

The Superset range of catheter mounts have a 'concertina' design for total positioning control. This allows the mount to be set in any position required. Deadspace can be adjusted from 20ml to 40ml (code 3504: 15-36ml) and length from 70mm to 150mm (excluding connectors).

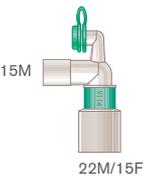
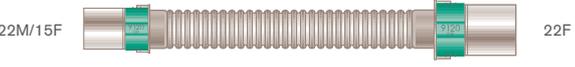
	Code	Box qty	Length	Sterile option code	Sterile Box qty
 <p>22F 22M/15F</p>	3504	75	70-150mm	3504000S	75
 <p>22F 22M/15F</p>	3502	75	70-150mm	3502000S	40
 <p>Luer lock port 22F 22M/15F</p>	3514	75	70-150mm	3514000S	40
 <p>Swivel 22F 22M/15F swivel</p>	3512	75	70-150mm		
 <p>'Flip top' cap with 7.6mm port Swivel 22F 22M/15F swivel</p>	3520	75	70-150mm	3520000S	40
 <p>Double 'Flip top' cap with seal Swivel Covers 7.6mm and 9.5mm applications 22F 22M/15F swivel</p>	3521	75	70-150mm	3521000S	40
 <p>Paediatric/neonatal 7.6mm port 15M 15F</p>	3535	15	49-100mm		
 <p>Neonatal 7.6mm port 15M 8.5F</p>	3534	25	49-100mm		

## Smoothbore catheter mounts

Smoothbore tubing gives improved ventilatory support with good flow characteristics, lower tubing compliance and clear, crush-resistant tubing.

	Code	Box qty	Length	Sterile option code	Sterile Box qty
 <p>22F</p> <p>Double 'Flip top' cap with seal</p> <p>Swivel</p> <p>Covers 7.6mm and 9.5mm applications</p> <p>22M/15F swivel</p>	5120	50	120mm	5120000S	85
 <p>22F</p> <p>Double 'Flip top' cap with seal</p> <p>Swivel</p> <p>Covers 7.6mm and 9.5mm applications</p> <p>22M/15F swivel</p>	5180	50	180mm	5180000S	85
 <p>22F</p> <p>Double 'Flip top' cap with seal</p> <p>Swivel</p> <p>Covers 7.6mm and 9.5mm applications</p> <p>22M/15F swivel</p>	5250	50	250mm	5250000S	50

## Reprocessable clear patient connectors

	Code	Box qty	Length
 <p>15M</p> <p>22M/15F</p>	9114	5	
 <p>15M</p> <p>22M/15F</p>	9115	5	
 <p>22M/15F</p> <p>22F</p>	9120	5	140mm

## How breathing filters work

Breathing filters are designed to prevent microbial cross contamination via anaesthetic or ventilator breathing systems. Their use is now widely recognised as beneficial and is recommended by a number of Anaesthetic Associations<sup>(1)</sup>.

### The threat to patients is varied

Patients undergoing anaesthesia may be threatened by cross contamination via the equipment or systems used earlier on an unsuspected but infective case. Documented areas of concern regarding infection from breathing systems include *Hepatitis C*, *Mycobacterium Tuberculosis*, blood in sputum and the SARS virus

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

### Proven efficiency

The Intersurgical range of breathing filters have 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.

Routine testing is carried out on all products using *Bacillus subtilis* ( $1.0\mu\text{m} \times 0.7\mu\text{m}$ ) and  $\phi 174$  bacteriophage, additional testing includes *Mycobacterium Tuberculosis* ( $0.3\mu\text{m} \times 1.0\mu\text{m}$ ), *Hepatitis C* ( $0.03\mu\text{m}$ ) and *MS-2 coliphage* ( $0.02\mu\text{m}$ ). On this basis Intersurgical filters should also be highly efficient in preventing the passage of the Swine Flu virus.

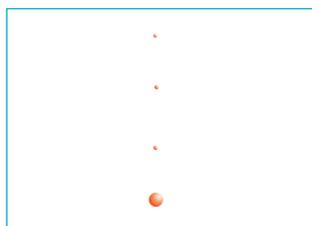
### Features of Intersurgical breathing filters

The Intersurgical range of breathing filters offers a choice of pleated and flat filters with integral catheter mounts, providing the most appropriate product for the clinical situation.

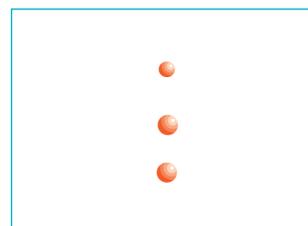
- Validated Filtration Efficiency<sup>(2)</sup>
- Proven filtration against *Mycobacterium Tuberculosis* and *Hepatitis C*
- Proven efficiency not affected by anaesthetic agent
- Safe inert material
- Option of patient connections - supplied packed and ready for use
- Lightweight - reducing patient trauma.
- Low volume - reducing rebreathing of CO<sub>2</sub>
- Low resistance to flow

## Potential infectious viruses

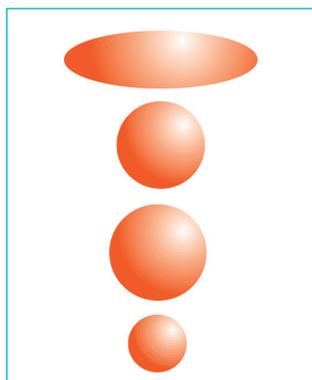
[Particle Sizes  $\mu$  microns]



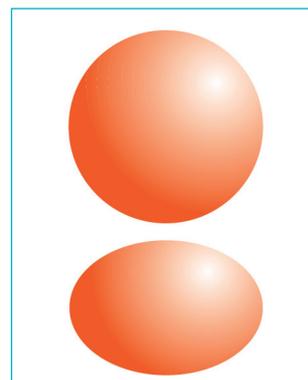
*Coliphage T1* [0.017 $\mu$ ]  
*MS-2 coliphage* [0.02 $\mu$ ]  
*Hepatitis C* [0.03 $\mu$ ]  
*Adenovirus* [0.07 $\mu$ ]



*HIV* [0.11 $\mu$ ]  
*Cytomegalovirus (CMV)* [0.1 $\mu$ ]  
*Orthomyxovirus* [0.1 $\mu$ ]



*Mycobacterium tuberculosis*  
 [0.3 $\mu$  x 1.0 $\mu$  smallest size]  
*Serratia marcescens* [0.45 $\mu$ ]  
*Pseudomonas aeruginosa*  
 [0.5 $\mu$ ]  
*Brevundimonas diminuta*  
 [0.3 $\mu$ ]



*Staphylococcus aureus* [1.0 $\mu$ ]  
*Bacillus subtilis* [1.0 $\mu$  x 0.7 $\mu$ ]

<sup>(1)</sup> Association of Anaesthetists of Great Britain and Ireland 1996. Danish Society of Anaesthetists 1998. French Society of Anaesthetists 1998.

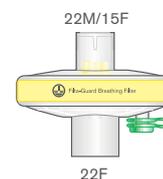
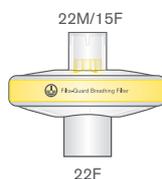
<sup>(2)</sup> All filters are independently validated for filtration efficiency at the Health Protection Agency, Porton Down, Salisbury, Wiltshire, U.K and Nelson laboratories Inc, USA

## Breathing filters

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

### Filta-Guard®

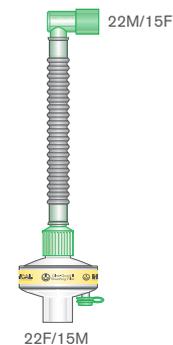
A highly efficient breathing filter designed for use in the intensive care unit and anaesthesia



Code	1944	1944003
Box qty.	70	70
Luer lock port		✓
Bacterial and Viral Filtration efficiency	>99.999%	>99.999%
Resistance to flow at 30L/min	1.1 cm H <sub>2</sub> O	1.1 cm H <sub>2</sub> O
Resistance to flow at 60L/min	2.1 cm H <sub>2</sub> O	2.1 cm H <sub>2</sub> O
Compressible volume	67ml	68ml
Weight	40g	41g
Minimum tidal volume <sup>†</sup>	200ml	200ml

### Clear-Guard® II

A mid-range breathing filter designed for use in anaesthesia and intensive care with a variety of patient connections

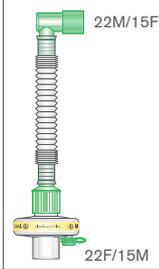
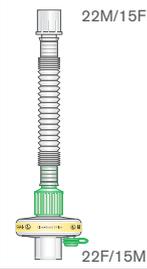
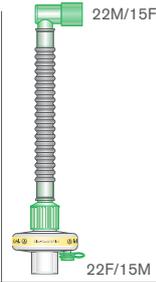


Code	1844	1844003	1844197	1844351
Box qty.	35	35	50	40
Luer lock port		✓	✓	✓
Bacterial and Viral Filtration efficiency	>99.99%	>99.99%	>99.99%	>99.99%
Resistance to flow at 30L/min	0.9 cm H <sub>2</sub> O	0.9 cm H <sub>2</sub> O	1.1 cm H <sub>2</sub> O	1.4 cm H <sub>2</sub> O
Resistance to flow at 60L/min	2.2 cm H <sub>2</sub> O	2.2 cm H <sub>2</sub> O	3.4 cm H <sub>2</sub> O	3.7 cm H <sub>2</sub> O
Compressible volume	50ml	62ml	69ml	95ml
Weight	27g	31g	36g	47g
Minimum tidal volume <sup>†</sup>	200ml	200ml	200ml	200ml
Fixed elbow			✓	✓
Flexible catheter mount				✓

<sup>†</sup> Filter only

## Clear-Guard® 3 and Clear-Guard® 3 angled filter

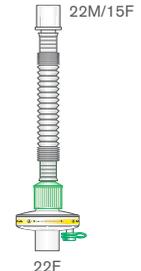
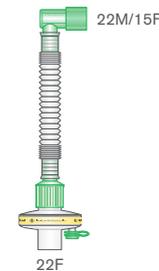
A cost-effective option with rounded ergonomic housing. For use in anaesthesia and intensive care.



Code	1544007	1544	1544351	1544011	1544012	1545
Box qty.	150	150	70	75	75	75
Luer lock port		✓	✓	✓	✓	✓
Bacterial and Viral Filtration efficiency	>99.99%	>99.99%	>99.99%	>99.99%	>99.99%	>99.99%
Resistance to flow at 30L/min	0.9 cm H <sub>2</sub> O	0.9 cm H <sub>2</sub> O	1.2 cm H <sub>2</sub> O	1.0 cm H <sub>2</sub> O	1.2 cm H <sub>2</sub> O	0.9 cm H <sub>2</sub> O
Resistance to flow at 60L/min	2.2 cm H <sub>2</sub> O	2.2 cm H <sub>2</sub> O	3.4 cm H <sub>2</sub> O	2.6 cm H <sub>2</sub> O	3.4 cm H <sub>2</sub> O	2.2 cm H <sub>2</sub> O
Compressible volume	59ml	60ml	104ml	86-109ml	90-113ml	75ml
Weight	27g	28g	45g	42g	43g	34g
Minimum tidal volume <sup>†</sup>	200ml	200ml	200ml	200ml	200ml	200ml
Fixed elbow			✓		✓	
Flexible catheter mount			✓			
Superset catheter mount				✓	✓	
Angled						✓

## Clear-Guard® Midi low volume

For minimum dead space; ideal for use in anaesthesia



Code	1644	1644131	1644012	1644011
Box qty.	100	50	75	75
Luer lock port	✓	✓	✓	✓
Bacterial and Viral Filtration efficiency	>99.9%	>99.9%	>99.9%	>99.9%
Resistance to flow at 30L/min	0.8 cm H <sub>2</sub> O	1.0 cm H <sub>2</sub> O	1.0 cm H <sub>2</sub> O	1.0 cm H <sub>2</sub> O
Resistance to flow at 60L/min	1.7 cm H <sub>2</sub> O	2.9 cm H <sub>2</sub> O	2.7 cm H <sub>2</sub> O	2.3 cm H <sub>2</sub> O
Compressible volume	34ml	38ml	64-87ml	60-83ml
Weight	19g	25g	34g	33g
Minimum tidal volume <sup>†</sup>	100ml	100ml	100ml	100ml
Fixed elbow			✓	
Mouthpiece		✓		
Superset catheter mount			✓	✓

<sup>†</sup> Filter only

## Inter-Guard filter

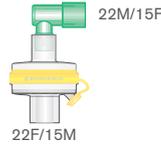
For use in breathing systems in both anaesthesia and intensive care units. Only available sterile



Code	1344007S	1344000S	1344711S
Box qty.	125	50	50
Luer lock port		✓	
Bacterial and Viral Filtration efficiency	>99.999%	>99.999%	>99.999%
Resistance to flow at 30L/min	0.9 cm H <sub>2</sub> O	0.9 cm H <sub>2</sub> O	1.1 cm H <sub>2</sub> O
Resistance to flow at 60L/min	2.0 cm H <sub>2</sub> O	2.0 cm H <sub>2</sub> O	2.8 cm H <sub>2</sub> O
Compressible volume	41ml	42ml	67-90ml
Weight	22g	23g	36g
Minimum tidal volume <sup>†</sup>	150ml	150ml	150ml
Superset catheter mount			✓

## Hydro-Guard Mini

A versatile low volume pleated membrane breathing filter



Code	1745	1745197	1745011	1745012	1745711
Box qty.	40	50	75	75	75
Luer lock port	✓	✓	✓	✓	✓
Bacterial and Viral Filtration efficiency	>99.999%	>99.999%	>99.999%	>99.999%	>99.999%
Resistance to flow at 30L/min	1.3 cm H <sub>2</sub> O	1.5 cm H <sub>2</sub> O	1.4 cm H <sub>2</sub> O	1.7 cm H <sub>2</sub> O	1.7 cm H <sub>2</sub> O
Resistance to flow at 60L/min	2.7 cm H <sub>2</sub> O	3.4 cm H <sub>2</sub> O	3.2 cm H <sub>2</sub> O	4.0 cm H <sub>2</sub> O	3.9 cm H <sub>2</sub> O
Compressible volume	63ml	69ml	89-112ml	93-116ml	93-116ml
Weight	30g	37g	44g	45g	50g
Minimum tidal volume <sup>†</sup>	200ml	200ml	200ml	200ml	200ml
Fixed elbow		✓		✓	✓
Superset catheter mount			✓	✓	✓

<sup>†</sup> Filter only

## Air-Guard Clear filter



A hydrophobic pleated membrane filter designed for the protection of oxygen concentrator machines and other respiratory equipment.

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

<b>Code</b>	<b>1790</b>
Box qty.	50
Bacterial and Viral Filtration efficiency	99.99999%
Resistance to flow at 30L/min	0.7 cm H <sub>2</sub> O
Resistance to flow at 60L/min	1.7 cm H <sub>2</sub> O
Compressible volume	120ml
Weight	56g
Sterile option code	1790000S
Sterile box qty.	40

## Heat and Moisture Exchangers (HME)

In normal respiration the upper airway helps to warm and humidify inspired air, and to retain the warmth and moisture contained in expired air. In mechanical ventilation or anaesthesia 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. HMEs are designed to replicate the functions of the upper airway conserving the patient's own expired heat and moisture and returning these to the patient during inspiration.

### Hydro-Therm<sup>®</sup>

HMEs designed for use in the intensive care unit and anaesthesia

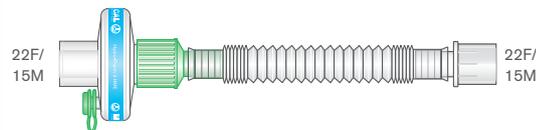


<b>Code</b>	<b>1850</b>	<b>1855</b>	<b>1860</b>
Box qty.	20	20	35
Luer lock port		✓	✓
Moisture return	30mg H <sub>2</sub> O/L	30mg H <sub>2</sub> O/L	33mg H <sub>2</sub> O/L
Resistance to flow at 30L/min	0.7 cm H <sub>2</sub> O	0.7 cm H <sub>2</sub> O	0.3 cm H <sub>2</sub> O
Resistance to flow at 60L/min	1.9 cm H <sub>2</sub> O	1.9 cm H <sub>2</sub> O	1.4 cm H <sub>2</sub> O
Compressible volume	15ml	16ml	60ml
Weight	11g	12g	33g
Minimum tidal volume <sup>†</sup>	50ml	50ml	200ml

<sup>†</sup> Filter only

## Hydro-Therm® 3

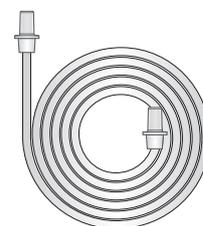
Large HME with rounded ergonomic housing for use in anaesthesia and intensive care



Code	1560	1560011
Box qty.	150	100
Luer lock port	✓	✓
Moisture return	31.6mg H <sub>2</sub> O/L	31.6mg H <sub>2</sub> O/L
Resistance 30L/min	0.2 cm H <sub>2</sub> O	0.3 cm H <sub>2</sub> O
Resistance 60L/min	0.8 cm H <sub>2</sub> O	1.2 cm H <sub>2</sub> O
Compressible volume	59ml	85-108ml
Weight	31g	45g
Minimum tidal volume <sup>†</sup>	200ml	200ml
Superset catheter mount		✓

## Hydro-Trach® T

Designed for use on tracheostomised patients



Code	1873	1874
Box qty.	25	40
Oxygen connector	✓	✓
Moisture return	26mg H <sub>2</sub> O/L	26mg H <sub>2</sub> O/L
Resistance 30L/min	0.2 cm H <sub>2</sub> O	0.2 cm H <sub>2</sub> O
Resistance 60L/min	0.7 cm H <sub>2</sub> O	0.7 cm H <sub>2</sub> O
Compressible volume	19ml	19ml
Weight	8g	8g
Minimum tidal volume <sup>†</sup>	50ml	50ml
O <sub>2</sub> tube		✓
Sterile option code	1873000S	1874000S
Sterile box qty.	100	30

<sup>†</sup> Filter only

## The HMEF range

The range of Heat and Moisture Exchanging Filters (HMEFs) combine the filtration efficiency of dedicated breathing filters with optimum moisture return.

### Filta-Therm® Plus and Filta-Therm®

High efficiency HMEFs available with a variety of patient connections



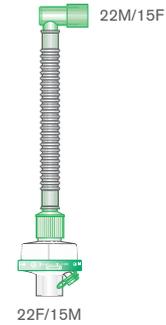
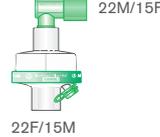
Code	1941001*	1942	1941	1941197	1941351	1941011
Box qty.	70	70	70	50	20	20
Luer lock port	✓		✓	✓	✓	✓
Moisture return	31.5mg H <sub>2</sub> O/L	29.1mg H <sub>2</sub> O/L				
Bacterial and Viral Filtration efficiency	>99.999%	>99.999%	>99.999%	>99.999%	>99.999%	>99.999%
Resistance to flow at 30L/min	1.3 cm H <sub>2</sub> O	1.2 cm H <sub>2</sub> O	1.2 cm H <sub>2</sub> O	1.4 cm H <sub>2</sub> O	1.5 cm H <sub>2</sub> O	1.3 cm H <sub>2</sub> O
Resistance to flow at 60L/min	3.0 cm H <sub>2</sub> O	3.0 cm H <sub>2</sub> O	3.0 cm H <sub>2</sub> O	3.4 cm H <sub>2</sub> O	4.0 cm H <sub>2</sub> O	3.0 cm H <sub>2</sub> O
Compressible volume	66ml	66ml	67ml	73ml	110ml	94-116ml
Weight	44g	42g	43g	49g	60g	57g
Minimum tidal volume†	200ml	200ml	200ml	200ml	200ml	200ml
Fixed elbow				✓	✓	
Flexible catheter mount					✓	
Superset catheter mount						✓

\* Filta-Therm + with improved HME performance

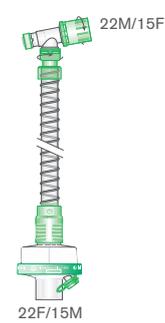
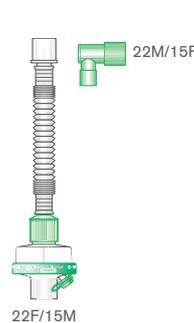
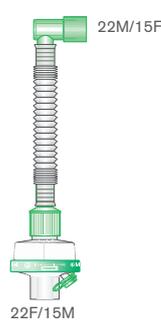
† Filter only

## Inter-Therm® HMEF

Sterile products for use in breathing systems in anaesthesia and ICU



Code	1341007S	1341000S	1341197S	1341351S	1341211S
Box qty.	50	50	50	50	50
Luer lock port		✓	✓	✓	✓
Moisture return	32mg H <sub>2</sub> O/L				
Bacterial and Viral Filtration efficiency	>99.999%	>99.999%	>99.999%	>99.999%	>99.999%
Resistance to flow at 30L/min	1.6 cm H <sub>2</sub> O	1.6 cm H <sub>2</sub> O	1.8 cm H <sub>2</sub> O	2.1 cm H <sub>2</sub> O	1.6 cm H <sub>2</sub> O
Resistance to flow at 60L/min	3.0 cm H <sub>2</sub> O	3.0 cm H <sub>2</sub> O	3.7 cm H <sub>2</sub> O	4.9 cm H <sub>2</sub> O	3.6 cm H <sub>2</sub> O
Compressible volume	56ml	57ml	63ml	101ml	83-106ml
Weight	30g	31g	38g	47g	49g
Minimum tidal volume <sup>†</sup>	150ml	150ml	150ml	150ml	150ml
Fixed elbow			✓	✓	
Flexible catheter mount				✓	
Superset catheter mount					✓

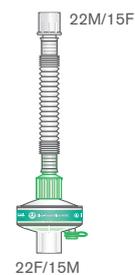
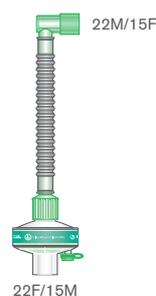


Code	1341011S	1341012S	1341974S	1341580S
Box qty.	50	50	50	50
Luer lock port	✓	✓	✓	✓
Moisture return	32mg H <sub>2</sub> O/L			
Bacterial and Viral Filtration efficiency	>99.999%	>99.999%	>99.999%	>99.999%
Resistance to flow at 30L/min	1.6 cm H <sub>2</sub> O	2.0 cm H <sub>2</sub> O	2.0 cm H <sub>2</sub> O	1.6 cm H <sub>2</sub> O
Resistance to flow at 60L/min	3.6 cm H <sub>2</sub> O	4.5 cm H <sub>2</sub> O	4.2 cm H <sub>2</sub> O	3.5 cm H <sub>2</sub> O
Compressible volume	83-106ml	87-110ml	87-110ml	94ml
Weight	45g	46g	51g	58g
Minimum tidal volume <sup>†</sup>	150ml	150ml	150ml	150ml
Fixed elbow		✓	✓	
Superset catheter mount	✓	✓	✓	
Smoothbore catheter mount				✓
Double swivel elbow				✓
Double flip top cap				✓

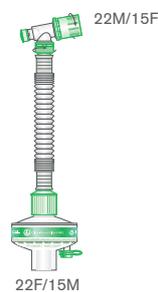
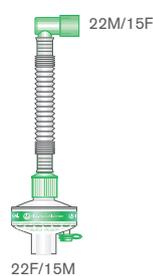
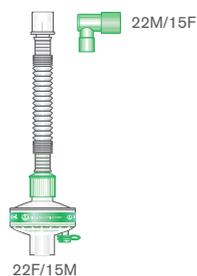
<sup>†</sup> Filter only

**Clear-Therm®**

Mid-range filtration efficiency HMEFs with a variety of patient connections



Code	1841	1841197	1841351	1841011
Box qty.	35	50	35	20
Luer lock port	✓	✓	✓	✓
Moisture return	32mg H <sub>2</sub> O/L			
Bacterial and Viral Filtration efficiency	>99.99%	>99.99%	>99.99%	>99.99%
Resistance to flow at 30L/min	1.0 cm H <sub>2</sub> O	1.2 cm H <sub>2</sub> O	1.3 cm H <sub>2</sub> O	1.2 cm H <sub>2</sub> O
Resistance to flow at 60L/min	2.4 cm H <sub>2</sub> O	3.2 cm H <sub>2</sub> O	3.8 cm H <sub>2</sub> O	3.0 cm H <sub>2</sub> O
Compressible volume	61ml	67ml	105ml	87-110ml
Weight	32g	39g	49g	46g
Minimum tidal volume <sup>†</sup>	200ml	200ml	200ml	200ml
Fixed elbow		✓	✓	
Flexible catheter mount			✓	
Superset catheter mount				✓

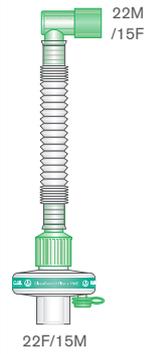
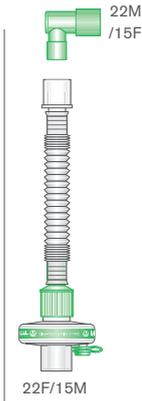
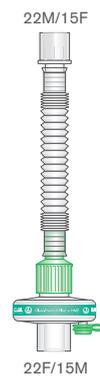
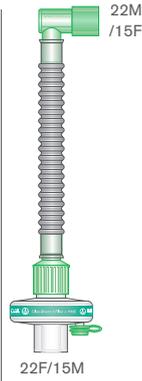


Code	1841974	1841012	1841015
Box qty.	75	75	20
Luer lock port	✓	✓	✓
Moisture return	32mg H <sub>2</sub> O/L	32mg H <sub>2</sub> O/L	32mg H <sub>2</sub> O/L
Bacterial and Viral Filtration efficiency	>99.99%	>99.99%	>99.99%
Resistance to flow at 30L/min	1.4 cm H <sub>2</sub> O	1.2 cm H <sub>2</sub> O	1.3 cm H <sub>2</sub> O
Resistance to flow at 60L/min	3.9 cm H <sub>2</sub> O	3.5 cm H <sub>2</sub> O	3.6 cm H <sub>2</sub> O
Compressible volume	91-114ml	90-114ml	87-111ml
Weight	53g	47g	51g
Minimum tidal volume <sup>†</sup>	200ml	200ml	200ml
Fixed elbow	✓	✓	
Superset catheter mount	✓	✓	✓
Double swivel elbow			✓
Double flip top cap			✓

<sup>†</sup> Filter only

## Clear-Therm® 3

A cost-effective option with rounded ergonomic housing for anaesthesia and ICU

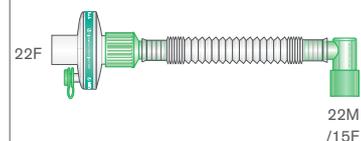
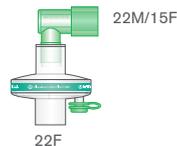


Code	1541	1541197	1541351	1541011	1541974	1541012	1542
Box qty.	150	50	70	75	40	75	75
Luer lock port	✓	✓	✓	✓	✓	✓	✓
Moisture return	30.6mg H <sub>2</sub> O/L	29.4mg H <sub>2</sub> O/L					
Bacterial and Viral Filtration efficiency	>99.99%	>99.99%	>99.99%	>99.99%	>99.99%	>99.99%	>99.99%
Resistance to flow at 30L/min	1.0 cm H <sub>2</sub> O	1.3 cm H <sub>2</sub> O	1.4 cm H <sub>2</sub> O	1.1 cm H <sub>2</sub> O	1.4 cm H <sub>2</sub> O	1.2 cm H <sub>2</sub> O	1.1 cm H <sub>2</sub> O
Resistance to flow at 60L/min	2.6 cm H <sub>2</sub> O	3.3 cm H <sub>2</sub> O	3.9 cm H <sub>2</sub> O	2.7 cm H <sub>2</sub> O	3.8 cm H <sub>2</sub> O	3.4 cm H <sub>2</sub> O	2.6 cm H <sub>2</sub> O
Compressible volume	60ml	66ml	104ml	86-109ml	90-113ml	90-113ml	75ml
Weight	30g	36g	47g	44g	50g	45g	38g
Minimum tidal volume <sup>†</sup>	200ml						
Fixed elbow		✓	✓		✓	✓	
Flexible catheter mount			✓				
Superset catheter mount				✓	✓	✓	
Angled							✓

<sup>†</sup> Filter only

## Clear-Therm® Midi low volume

A low volume option for minimising dead space in anaesthesia



Code	1641	1641197	1641012
Box qty.	100	50	75
Luer lock port	✓	✓	✓
Moisture return	23mg H <sub>2</sub> O/L	23mg H <sub>2</sub> O/L	23mg H <sub>2</sub> O/L
Bacterial and Viral Filtration efficiency	>99.9%	>99.9%	>99.9%
Resistance to flow at 30L/min	1.0 cm H <sub>2</sub> O	1.2 cm H <sub>2</sub> O	1.2 cm H <sub>2</sub> O
Resistance to flow at 60L/min	2.2 cm H <sub>2</sub> O	3.1 cm H <sub>2</sub> O	3.2 cm H <sub>2</sub> O
Compressible volume	34ml	40ml	64-87ml
Weight	19g	26g	35g
Minimum tidal volume <sup>†</sup>	100ml	100ml	100ml
Fixed elbow		✓	✓
Superset catheter mount			✓

## Clear-Therm® Mini and Micro

For paediatrics and neonates



Code	1831	1831197	1441	1441197
Box qty.	40	40	20	40
Luer lock port	✓	✓	✓	✓
Moisture return (VT250ml)	32mg H <sub>2</sub> O/L	32mg H <sub>2</sub> O/L	N/A	N/A
Moisture return (VT25ml)	N/A	N/A	27mg H <sub>2</sub> O/L	27mg H <sub>2</sub> O/L
Bacterial and Viral Filtration efficiency	99.99%	99.99%	99.99%	99.99%
Resistance to flow at 30L/min	1.6 cm H <sub>2</sub> O	2.0 cm H <sub>2</sub> O	N/A	N/A
Resistance to flow at 11L/min	N/A	N/A	1.0 cm H <sub>2</sub> O	1.2 cm H <sub>2</sub> O
Compressible volume	28ml	34ml	11ml	17ml
Weight	22g	29g	12g	19g
Minimum tidal volume <sup>†</sup>	75ml	75ml	25ml	25ml
Fixed elbow		✓		✓

<sup>†</sup> Filter only

## Anaesthesia

Anaesthesia breathing systems and accessories for use in the operating room, recovery and emergency care

- Anaesthetic face masks
- Anaesthetic breathing systems
- Emergency care
- Breathing system accessories
- CO<sub>2</sub> absorbents



## QuadraLite® anaesthesia mask

Less means more, to the power of four

The QuadraLite is a soft and lightweight anaesthesia mask that is available in four sizes to fit all patients. The anatomical shape, combined with its unique flexible seal, means that only four sizes are required, unlike traditional cushion masks which often require six or seven sizes. This means you can hold less stock to provide a solution for all of your patients.

 Lower environmental impact product



[www.intersurgical.com/info/quadralite](http://www.intersurgical.com/info/quadralite)



Code	7194	7193	7192	7191
Box qty.	35	35	25	30
Mask size	5-6	3-4	2-3	0-1
Patient size	Large	Medium	Small	Infant
Connection size	22F	22F	22F	15M
Colour code				
Hook ring	✓	✓	✓	
	✓	✓	✓	✓

## EcoMask® Mk.II

Clear non-PVC masks with a colour-coded seal

 Lower environmental impact product



Code	7096	7095	7094	7093	7092	7091	7090
Box qty.	20	25	35	35	25	35	40
Mask size	6	5	4	3	2	1	0
Patient size	Extra large	Large	Medium	Small	Paediatric	Infant	Neonatal
Connection size	22F	22F	22F	22F	22F	15M	15M
Colour code							
Hook ring	✓	✓	✓	✓	✓		
	✓	✓	✓	✓	✓	✓	✓

## Scented face masks

In a range of sizes and scents



Code	1125	1124	1123	1122	1129
Box qty.	30	40	50	35	35
Mask size	5	4	3	2	2
Patient size	Large	Medium	Small	Paediatric	Paediatric
Connection size	22F	22F	22F	22F	22F
Scent	Vanilla	Vanilla	Vanilla	Cherry	Strawberry
Colour code					
Hook ring	✓	✓	✓	✓	✓

Code	1121	1128	1120	1127
Box qty.	32	32	40	40
Mask size	1	1	0	0
Patient size	Infant	Infant	Neonatal	Neonatal
Connection size	15M	15M	15M	15M
Scent	Cherry	Strawberry	Cherry	Strawberry
Colour code				
Hook ring	✓	✓	✓	✓

## Economy masks

With colour-coded hook rings



Code	1517	1516	1515	1514	1513	1512	1511
Box qty.	25	30	40	50	35	40	50
Mask size	6	5	4	3	2	1	0
Patient size	Extra large	Large	Medium	Small	Paediatric	Infant	Neonatal
Connection size	22F	22F	22F	22F	22F	15M	15M
Colour code							
Hook ring	✓	✓	✓	✓	✓	✓	✓

## Bronchoscopy Mask With colour-coded hook rings

The masks are designed to allow easy insertion of a scope probe into the nose or mouth whilst administering an analgesic gas at the same time.



Code	1594	1593	1592	1591
Box qty.	40	50	35	40
Mask size	4	3	2	1
Patient size	Adult	Small adult	Paediatric	Infant
Connection size	22F	22F	22F	15M
Colour code				
Hook ring	✓	✓	✓	✓

## Reprocessable anatomical masks



Code	8926	8826	8925	8825	8924	8824	8923
Box qty.	1	1	1	1	1	1	1
Mask size	6	6	5	5	4	4	3
Patient size	Extra large	Extra large	Large	Large	Medium	Medium	Small
Connection size	22F	22F	22F	22F	22F	22F	22F
Hook ring		✓		✓		✓	

Code	8823	8922	8822	8921	8821	8920	8820
Box qty.	1	1	1	1	1	1	1
Mask size	3	2	2	1	1	0	0
Patient size	Small	Paediatric	Paediatric	Infant	Infant	Neonatal	Neonatal
Connector size	22F	22F	22F	22F	22F	22F	22F
Hook ring	✓		✓		✓		✓

## Reprocessable ClearFlex®

Silicone masks



Code	8749006	8749005	8749004	8749003	8749002	8749001	8749
Box qty.	1	1	1	1	1	1	1
Mask size	6	5	4	3	2	1	0
Patient size	Extra large	Large	Medium	Small	Paediatric	Infant	Neonatal
Connection size	22F	22F	22F	22F	22F	22F	22F

## Reprocessable ClearFlex® Economy

Silicone masks



Code	8848005	8848004	8848003	8848002	8848001	8848
Box qty.	5	5	5	5	5	5
Mask size	5	4	3	2	1	0
Patient size	Large	Medium	Small	Paediatric	Infant	Neonatal
Mask type	Anatomical	Anatomical	Anatomical	Cylindrical	Cylindrical	Cylindrical
Connection size	22F	22F	22F	22F	15M	15M
Hook ring	✓	✓	✓			

## Reprocessable Rendell Baker

Silicone masks



Code	8748014	8748013	8748012	8748011
Box qty.	1	1	1	1
Mask size	3	2	1	0
Patient size	Paediatric	Paediatric	Infant	Neonatal
Connection size	22F	22F	22F	22F

## Reprocessable anaesthetic face mask accessories



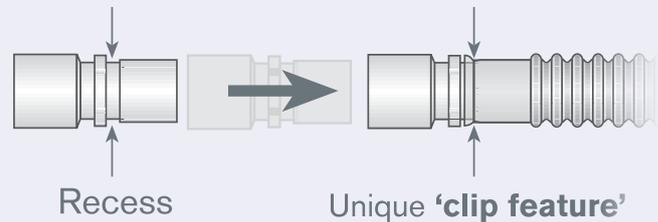
Code	8740007	8740008	8724013
Box qty.	1	1	1
Four point head harness size	Adult	Paediatric	
Hook ring for use with 22F reprocessable masks only			✓

## Take the tube

A wide range of anaesthetic breathing systems are available in different lengths and configurations. These include Circle, Compact, UniFlow, Mapleson and reprocessable systems. So whatever your clinical requirements you can be sure that we will have an anaesthetic breathing system with tubing that's right for you.

### For flexible it's Flextube®.

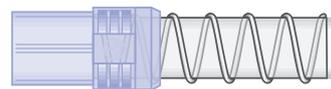
The majority of our breathing systems are available with standard flexible tubing, Intersurgical Flextube. All Flextube breathing systems have a unique clip feature: when used with Intersurgical connectors with a recess, an airtight fit is achieved. This ensures that there are no leaks or disconnections.



### Go Smooth.

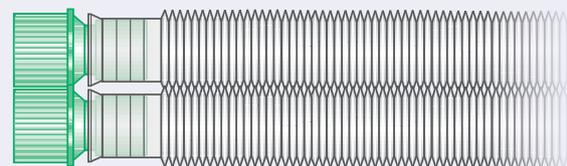
Smoothbore breathing systems incorporate flexible end connectors at the machine end and lightweight rigid connectors within the system offering improved ventilatory support. Benefits include:

- Improved flow characteristics
- Lower tubing compliance
- Lower system volume.



### Adjustable, expandable, Compact®.

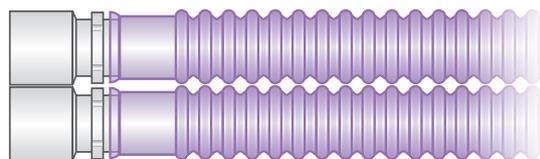
Compact breathing systems are made using adjustable tubing which allows the system to be set to the required position optimising the compressible volume. These systems can be reduced in length for ease of storage and disposal.



### Anti-microbial breathing systems

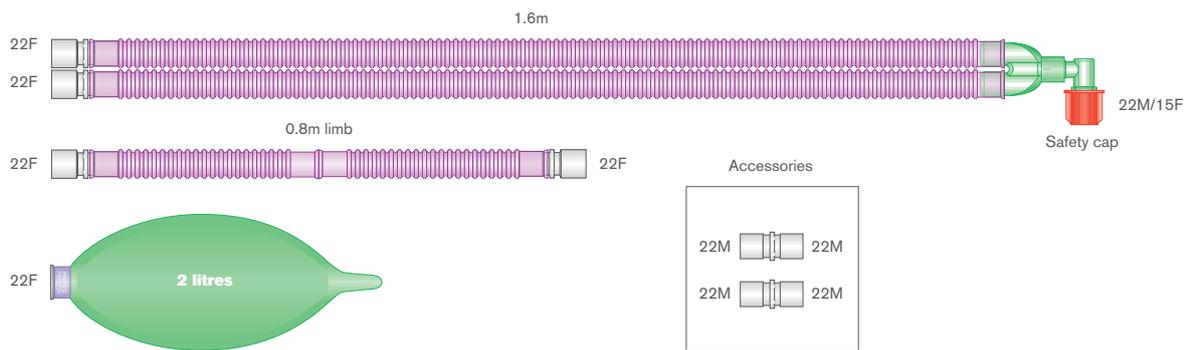
Despite improved hygiene and other advances, the fight against Hospital Acquired Infections continues. At Intersurgical our ongoing campaign is to make products that continue to advance patient care and protection. We have been adding silver ion additives to our breathing system material to help slow down the proliferation of micro-organisms. Silver Knight is now available in more than ten anaesthetic breathing systems offering you a choice for infection control.

Find out more about Silver Knight® at [www.intersurgical.com/info/silverknight](http://www.intersurgical.com/info/silverknight)



[www.intersurgical.com/info/silverknight](http://www.intersurgical.com/info/silverknight)

## Circle breathing systems

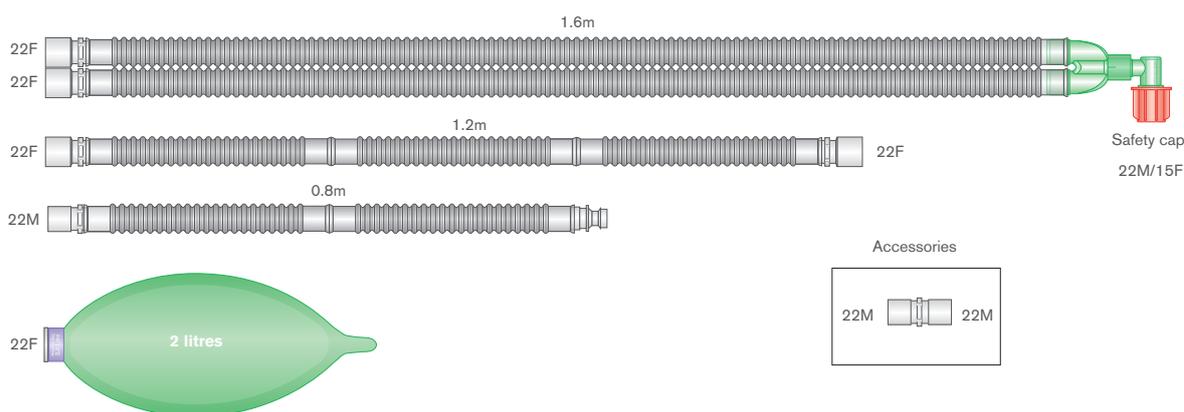


 system illustrated

Code	2000	5000	2000100	2001	2001100	2002	2003
Box qty.	20	12	20	15	15	20	15
Flextube	✓		✓	✓	✓	✓	✓
Smoothbore		✓					
System length	1.6m	1.6m	1.6m	2.4m	2.4m	1.6m	2.4m
Anti-microbial 			✓		✓		
Bag limb						0.8m	0.8m
Sterile option code	2000000S	5000000S		2001000S		2002000S	
Sterile Box qty	15	12		15		15	

Code	2141	2010	2010100 	2011	2011100	2013	5009
Box qty.	10	15	15	15	15	12	10
Flextube	✓	✓	✓	✓	✓	✓	
Smoothbore							✓
System length	1.6m	1.6m	1.6m	2.4m	2.4m	1.6m	1.6m
Anti-microbial 			✓		✓		
Bag limb		0.8m	0.8m	0.8m	0.8m		0.5m
Bag size		2L	2L	2L	2L		
Resealable water trap	1						2
Swivel Y						✓	
Ported Y							✓
Sterile option code		2010000S					5009000S
Sterile Box qty		15					10

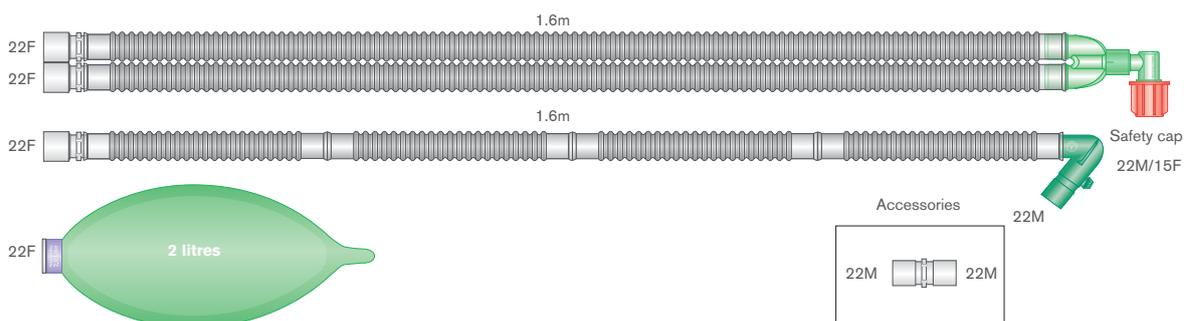
## Breathing Systems for the ADU<sup>®</sup> Carestation



system illustrated

Code	2010085	2011008	2010109	2011102	2154008
Box qty.	15	12	15	12	15
Flextube	✓	✓	✓	✓	
Compact II					✓
System length	1.6m	2.4m	1.6m	2.4m	2.0m
Anti-microbial			✓	✓	
Bag limb	0.8m	0.8m	0.8m	0.8m	0.8m
Bag size	2L	2L	2L	2L	2L

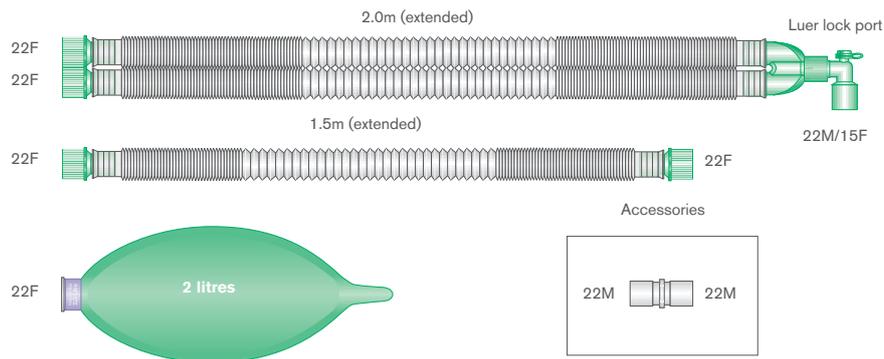
## Flextube Breathing Systems for the Aisys<sup>®</sup>, Avance<sup>®</sup> and Aespire<sup>®</sup> Carestations



system illustrated

Code	2010088	2011012	2010111	2011106
Box qty.	15	15	15	15
System length	1.6m	2.4m	1.6m	2.4m
Anti-microbial			✓	✓
Bag limb	1.6m	1.6m	1.6m	1.6m
Bag size	2L	2L	2L	2L

## Compact® II adjustable breathing systems



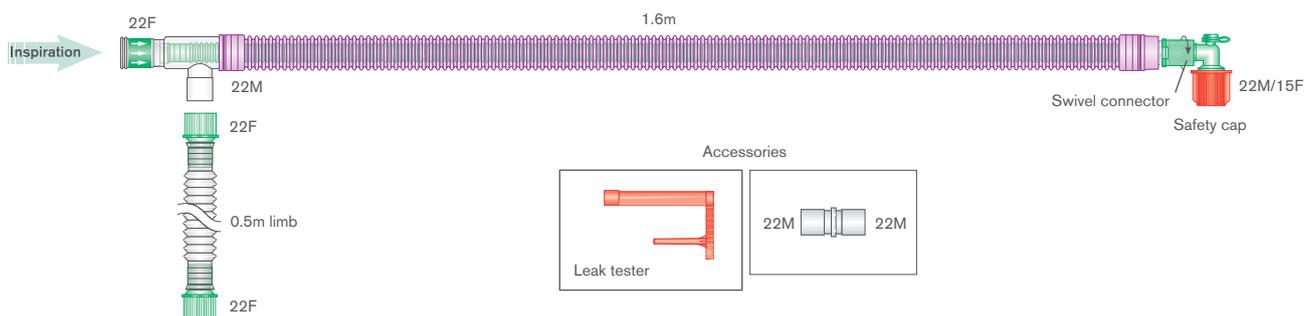
 system illustrated

Code	2150	2151	2158	2152	2153
Box qty.	85	70	40	35	75
System length	1.5m	2.0m	3.0m	2.0m	2.0m
Bag limb				1.5m	1.5m
Bag size				3L	3L
Filter					✓
Sterile option code		2151000S			
Sterile Box qty		20			

Code	2154 	2156	2157	1526
Box qty.	35	25	25	100
System length	2.0m	3.0m	3.0m	2.0m
Bag limb	1.5m	1.5m	2.0m	
Bag size	2L	2L	2L	
Compact extension tube				✓
Sterile option code	2154000S			
Sterile Box qty	20			

## UniFlow® coaxial breathing systems

Basic coaxial Flextube breathing systems with inner lumen and leak tester

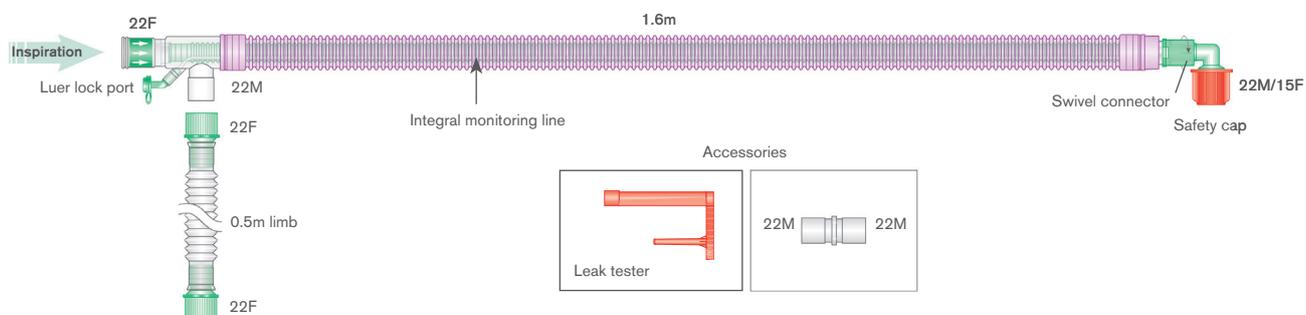


system illustrated

Code	2900	2900100	2901	2901100
Box qty.	12	12	10	10
System length	1.6m	1.6m	2.4m	2.4m
Anti-microbial		✓		✓
Extra limb	0.5m	0.5m	0.5m	0.5m
Sterile option code	2900000S			
Sterile Box qty.	10			

## UniFlow® coaxial breathing systems

Basic coaxial Flextube breathing systems with integral monitoring line

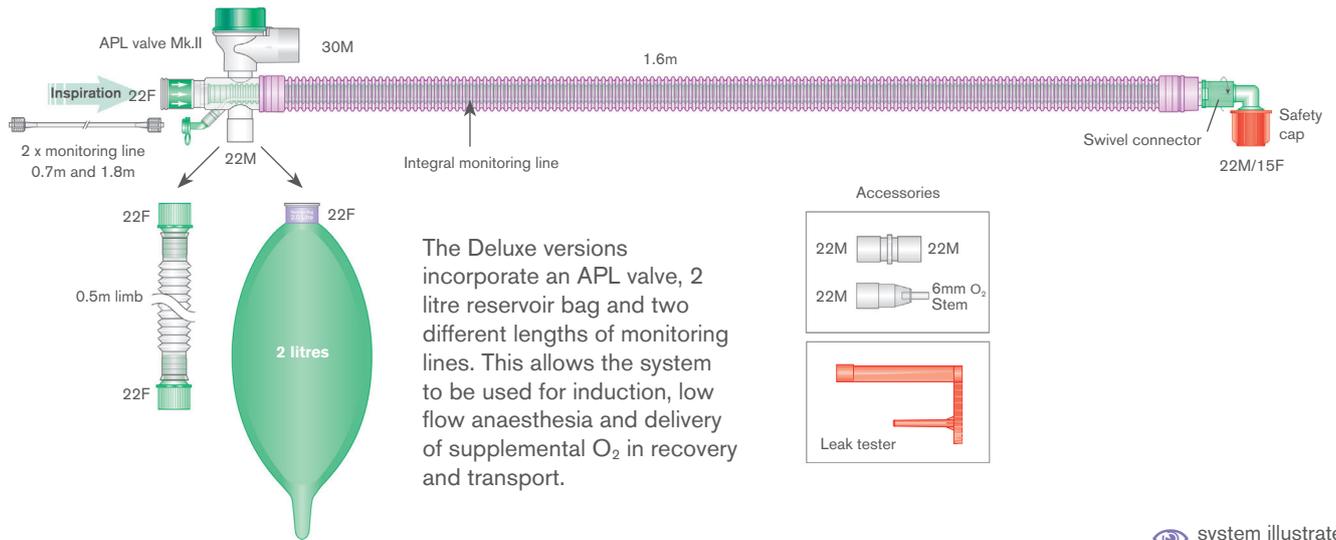


system illustrated

Code	2902	2902100	2903	2903100
Box qty.	12	12	10	10
System length	1.6m	1.6m	2.4m	2.4m
Anti-microbial		✓		✓
Extra limb	0.5m	0.5m	0.5m	0.5m
Integral monitoring line	✓	✓	✓	✓
Sterile option code	2902000S			
Sterile Box qty.	10			

## UniFlow® coaxial breathing systems

Deluxe coaxial Flextube breathing systems with inner lumen and leak tester

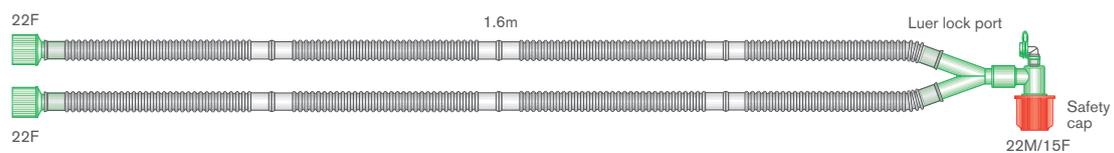


system illustrated

Code	2910	2910100	2911	2911100
Box qty.	12	12	10	10
System length	1.6m	1.6m	2.4m	2.4m
Anti-microbial		✓		✓
Extra limb	0.5m	0.5m	0.5m	0.5m
Bag size	2L	2L	2L	2L
Integral monitoring line	✓	✓	✓	✓

## Circle 15mm breathing systems

Basic breathing systems

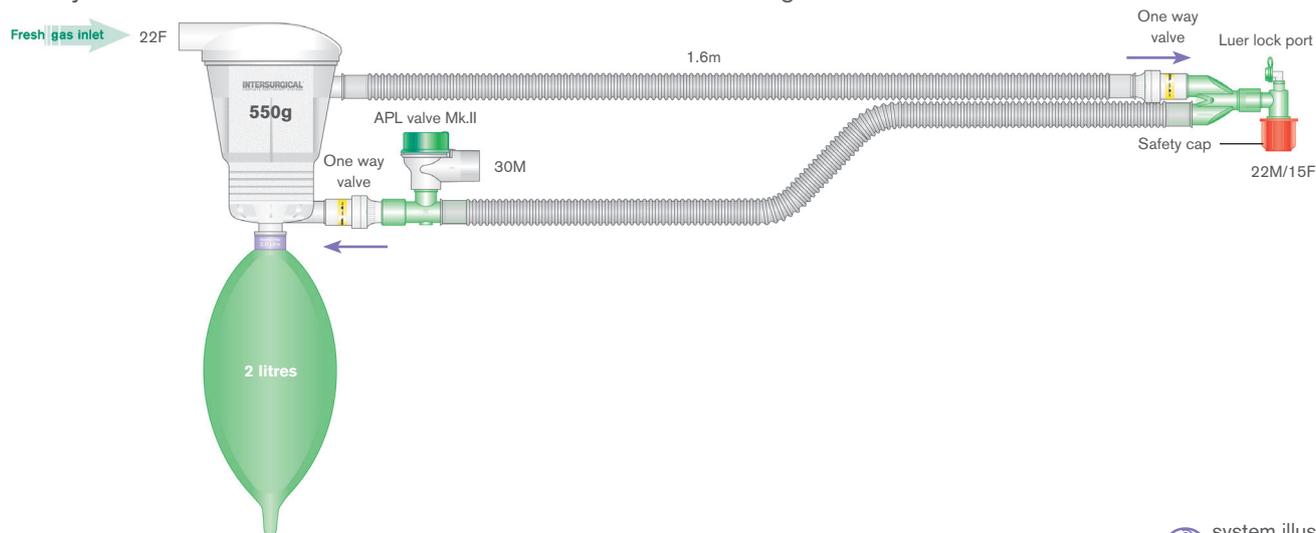


system illustrated

Code	2142	2143
Box qty.	10	10
System length	1.6m	1.6m
Resealable water trap		✓

## Clear-Flo® circle systems with Spherasorb® sodalime

Basic systems for direct connection to the anaesthetic machine fresh gas outlet

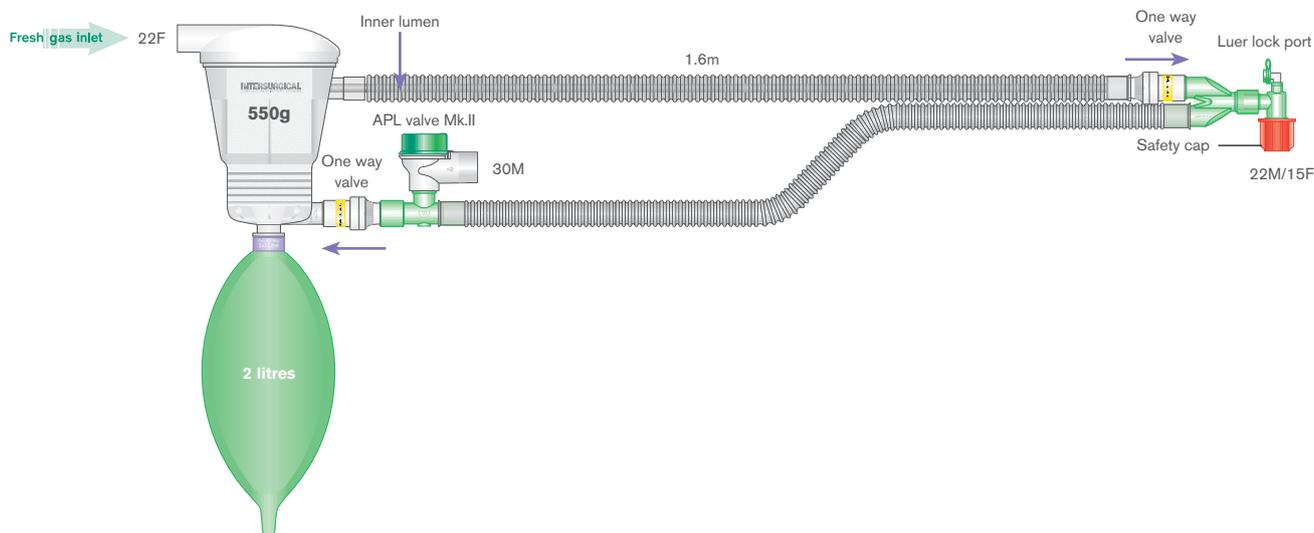


system illustrated

Code	2130	2131
Box qty.	4	4
Spherasorb colour	pink to white	white to violet
System length	1.6m	1.6m

## Clear-Flo® circle systems with Spherasorb® sodalime

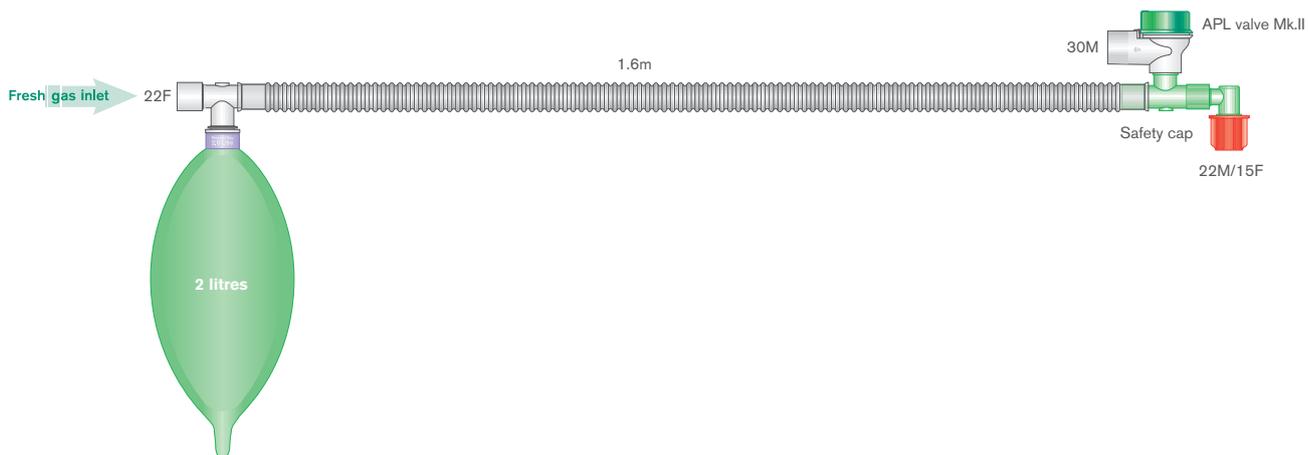
Breathing systems with inner lumen for direct fresh gas delivery to the patient end allowing for rapid changes in the desired anaesthetic concentration.



system illustrated

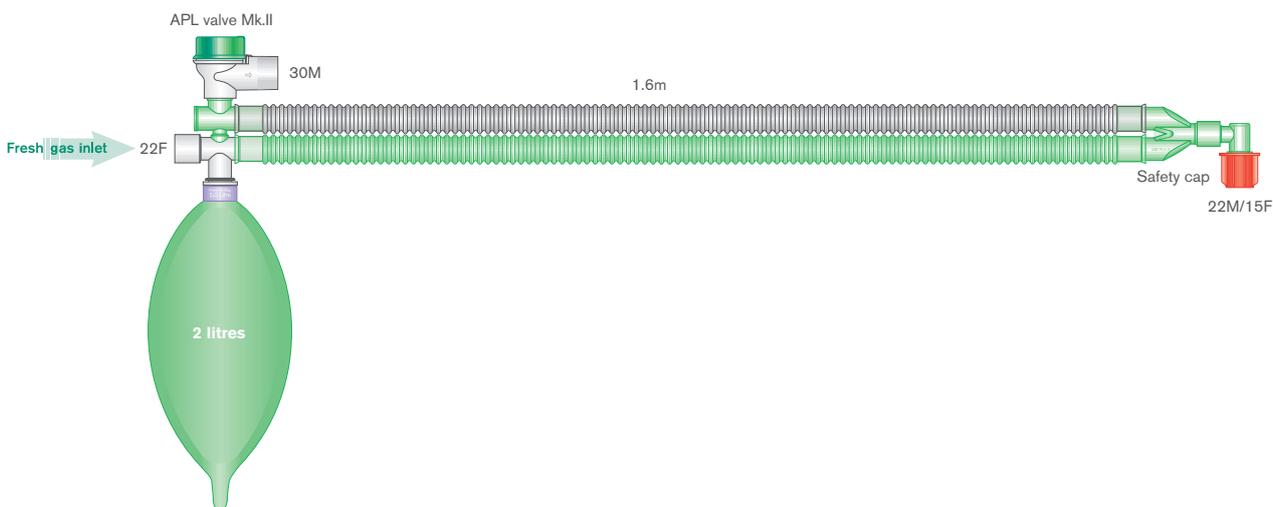
Code	2132	2133
Box qty.	4	4
Spherasorb colour	pink to white	white to violet
System length	1.6m	1.6m
Inner lumen	✓	✓

## Mapleson A Magill breathing system



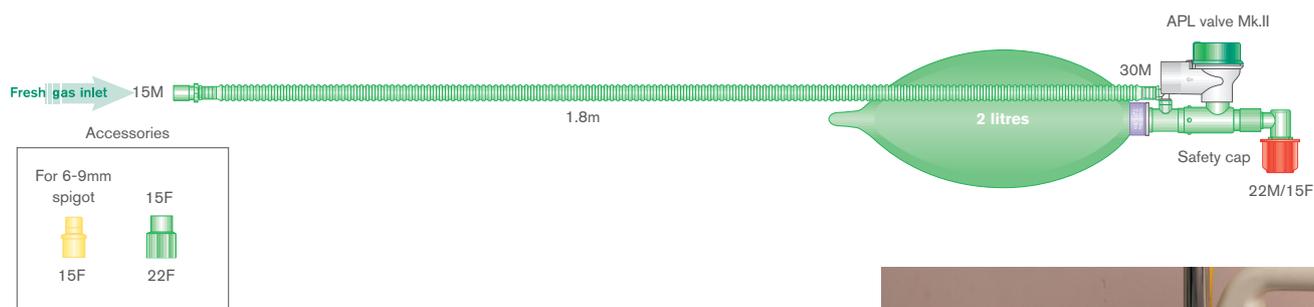
<b>Code</b>	2105
<b>Box qty.</b>	15
<b>Bag size</b>	2L
<b>System length</b>	1.6m

## Mapleson A Parallel Lack breathing system



<b>Code</b>	2106
<b>Box qty.</b>	10
<b>Bag size</b>	2L
<b>System length</b>	1.6m

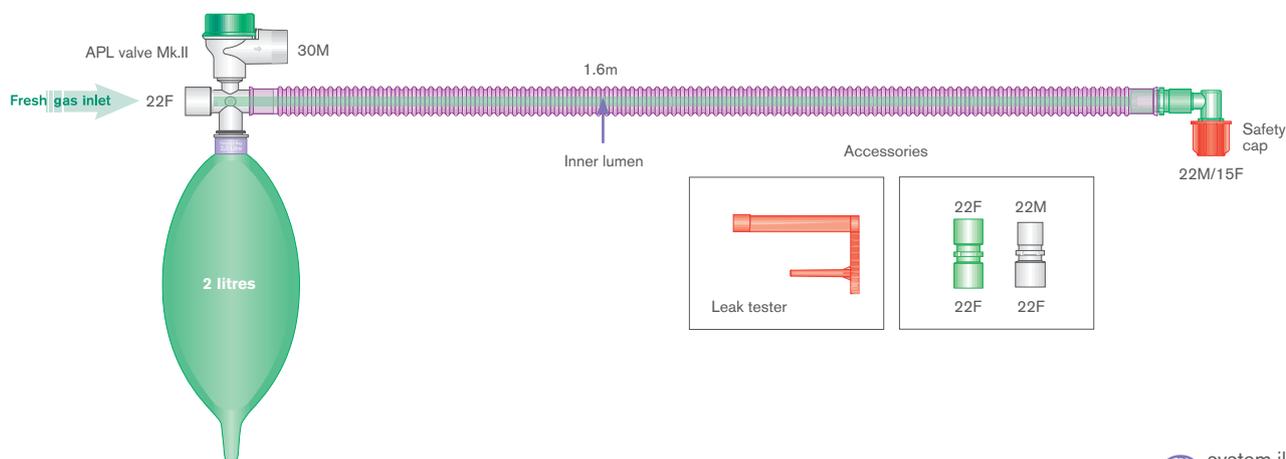
## Mapleson C Adult bagging system



<b>Code</b>	2108
<b>Box qty.</b>	15
<b>Bag size</b>	2L
<b>System length</b>	1.8m
<b>Sterile option code</b>	2108000S
<b>Sterile Box qty.</b>	12

<b>Code</b>	7160
<b>Box qty.</b>	20
<b>Accessory</b>	Inline pressure monitor for use with 2108

## Mapleson D Basic and Deluxe Bain coaxial systems with leak tester

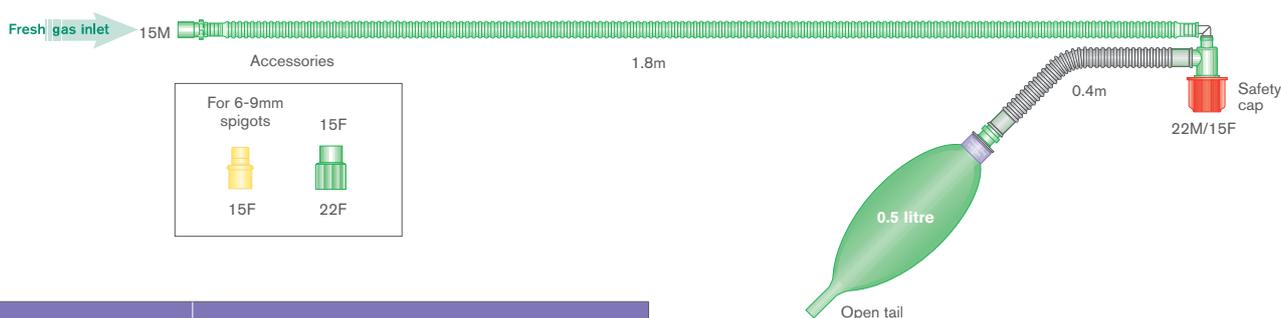


system illustrated

Code	2110	2115	2115100	2116	2117
<b>Box qty.</b>	20	30	30	10	5
<b>System type</b>	Basic	Deluxe	Deluxe	Deluxe	Deluxe
<b>System length</b>	1.6m	1.6m	1.6m	2.8m	5.4m
<b>Bag size</b>		2L	2L	2L	2L
<b>APL valve</b>		✓	✓	✓	✓
<b>Anti-microbial</b>			✓		
<b>Intended for MRI</b>					✓

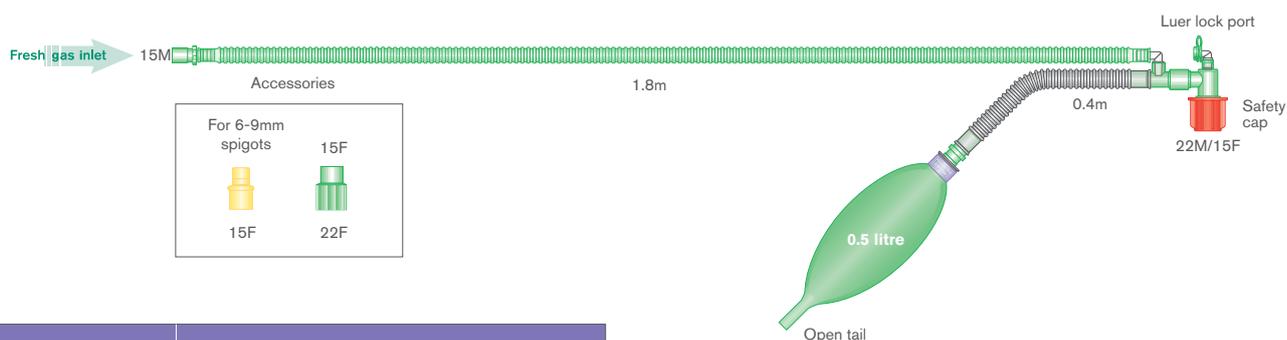
## Paediatric anaesthetic breathing systems

### Mapleson F infant T-piece system



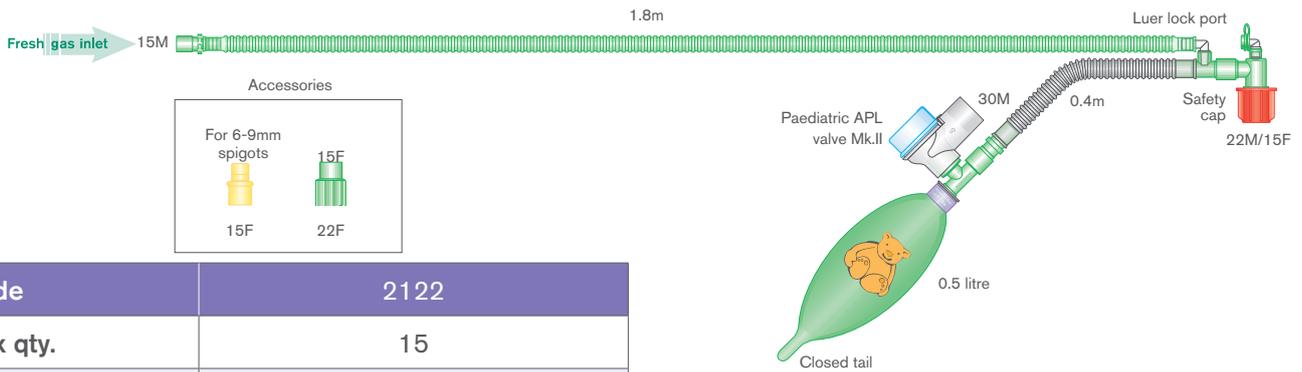
<b>Code</b>	2120
<b>Box qty.</b>	15
<b>Open tail bag</b>	0.5L
<b>System length</b>	1.8m

### Mapleson F Jackson Rees modification T-piece system



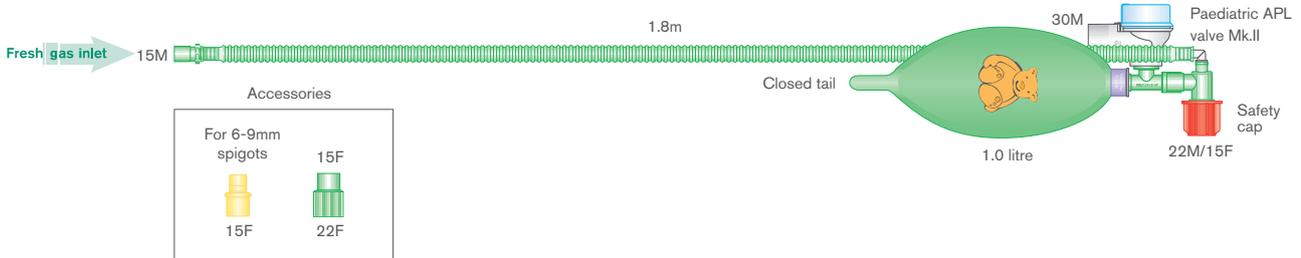
<b>Code</b>	2121
<b>Box qty.</b>	15
<b>Open tail bag</b>	0.5L
<b>System length</b>	1.8m
<b>Sterile option code</b>	2121000S
<b>Sterile Box qty.</b>	12

## Infant T-piece system



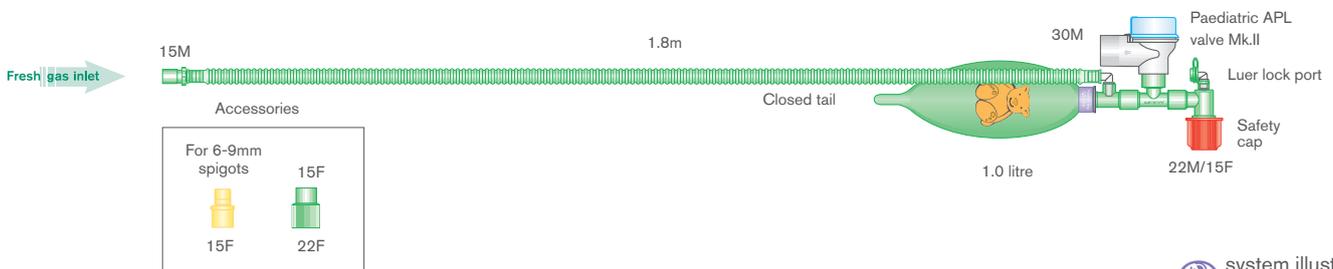
<b>Code</b>	2122
<b>Box qty.</b>	15
<b>Closed tail bag</b>	0.5L
<b>System length</b>	1.8m

## T-piece system for direct gas delivery



<b>Code</b>	2123
<b>Box qty.</b>	15
<b>Closed tail bag</b>	1L
<b>System length</b>	1.8m
<b>Sterile option code</b>	2123000S
<b>Sterile Box qty.</b>	12

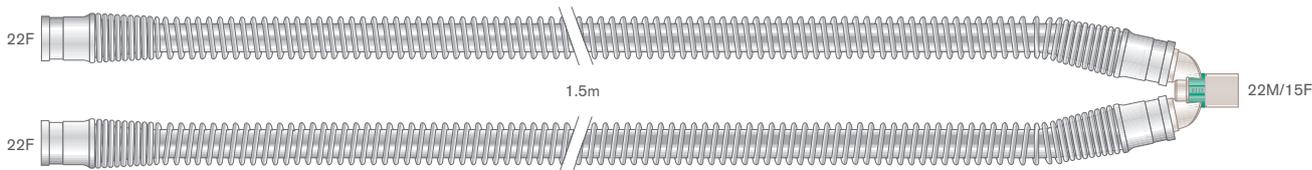
## Bagging systems



system illustrated

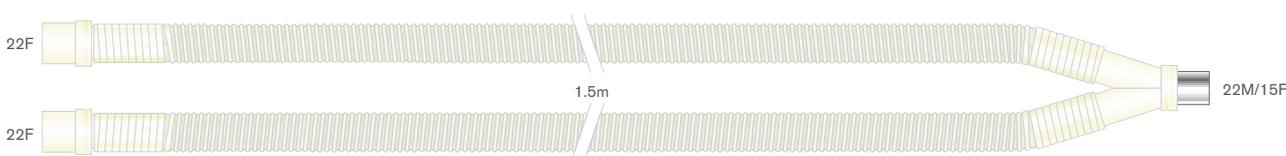
<b>Code</b>	2124	2126
<b>Box qty.</b>	15	15
<b>Closed tail bag</b>	0.5L	1L
<b>System length</b>	1.8m	1.8m
<b>Sterile option code</b>	2124000S	
<b>Sterile Box qty.</b>	12	

### Reprocessable clear silicone anaesthetic breathing system



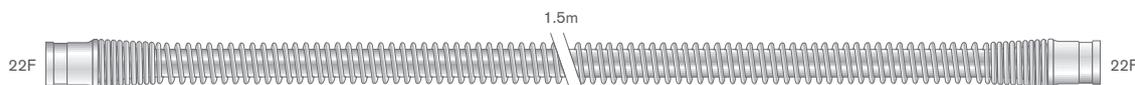
<b>Code</b>	8790608	8790607
<b>Box qty.</b>	1	1
<b>System length</b>	0.8m	1.5m

### Reprocessable clear Hytrel® anaesthetic breathing system



<b>Code</b>	8790606
<b>Box qty.</b>	1
<b>System length</b>	1.5m

### Reprocessable clear silicone tube



 system illustrated

<b>Code</b>	8746004	8746006	8746008	8746001	8746015 
<b>Box qty.</b>	1	1	1	1	1
<b>System length</b>	0.45m	0.6m	0.8m	1.1m	1.5m

<b>Code</b>	9317000	9318000	9319000	9320000
<b>Box qty.</b>	1	1	1	1
<b>System length</b>	0.6m	0.8m	1.1m	1.5m
<b>Paediatric 15mm</b>	✓	✓	✓	✓

### Reprocessable clear Hytrel® tube



<b>Code</b>	8790015
<b>Box qty.</b>	1
<b>System length</b>	1.5m

## Tube management clip system

Don't trip,clip!

Our new tube management clip system keeps the patient tubing in a convenient location between patients, preventing unnecessary contamination.



[www.youtube.com/intersurgical](http://www.youtube.com/intersurgical)

<b>Code</b>	2316
<b>Box qty.</b>	12

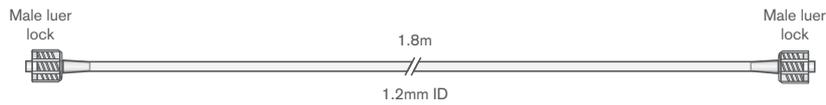


## Single use reservoir bags



Code	2830	2820	2810	2812	2811	2806	2805
<b>Box qty.</b>	10	10	10	10	10	10	10
<b>Reservoir bag size</b>	3L	2L	1L	1L	1L	0.5L	0.5L
<b>Neck size</b>	22F	22F	22F	15F	15F	15F	15F
<b>Teddy bear motif</b>				✓		✓	

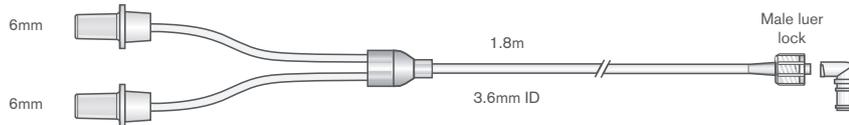
## Respiratory gas monitoring lines for anaesthetic agent and CO<sub>2</sub>



system illustrated

Code	2737	2725	2732	2734	2731
Box qty.	40	20	20	30	20
1.2mm ID	✓	✓	✓	✓	✓
Luer lock fittings	Male/Male	Male/Male	Male/Male	Male/Male	Female/Male
Length	0.7m	1.8m	2.45m	3.0m	1.8m

## Pressure monitoring line kits for use with standard 7.6mm ports



system illustrated

Code	2720	2721	2722	2723
Box qty.	10	10	10	10
3.6mm ID	✓	✓	✓	✓
Connections	Male luer taper / Male luer lock	2 x 6mm / Male luer lock	Male luer taper & normal line / Male luer lock	6mm / Male luer lock
Length	1.8m	1.8m	1.8m	1.8m

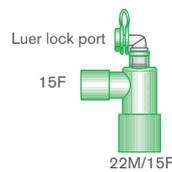
## Monitoring connectors



7.6mm



15M 22M/15F



15F 22M/15F

Monitoring line hydrophobic filter



22M 30M

Code	2710	2713	2714	2715	1970
Box qty.	25	25	25	50	35
Luer lock port		✓	✓		
Connections	7.6mm	15M-22M/15F	15F-22M/15F		22M/30M
Connector type	Luer elbow			Hydrophobic filter	Scavenging connector



22M 30F



30M 30M



30M 30F



22M 19M



Code	1971	1970001	1971001	1975	1574066
Box qty.	25	30	30	50	1 roll 50m length
Connections	22M/30F	30M/30M	30M/30F	22M/19M	22mm cuffed @ 0.4m
Connector type	Scavenging connector	Scavenging connector	Scavenging connector	Scavenging connector	Blue Scavenging tube

## Reprocessable reservoir bags



Code	8913	8912	8911	8910
Box qty.	1	1	1	1
Reservoir bag size	3L	2L	1L	0.5L
Neck size	22F	22F	22F	15F
Tail loop	✓	✓	✓	✓

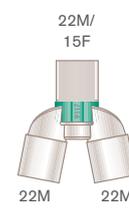
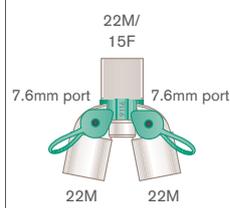
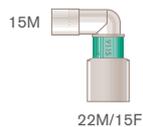
## Reprocessable clear straight connectors

Lightweight with grip feature



Code	9110	9111	9112	9113
Box qty.	5	5	5	5
Straight connector	✓	✓	✓	✓
Connections	22M-22M	22F-22F	22M-22F	22M/15F-22F

## Reprocessable clear Elbows and Y-pieces



Code	9114	9115	9116	9117	9120
Box qty.	5	5	5	5	5
Connections	15M-22M/15F	15M-22M/15F	22M/15F-22M	22M/15F-22M	22M/15F-22F
Connector type	Elbow	Elbow	Y-piece	Y-piece	Catheter mount
Luer lock port	✓				
7.6mm ports			✓		

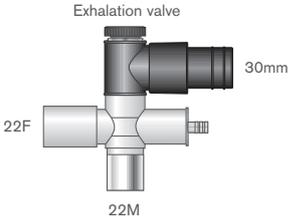
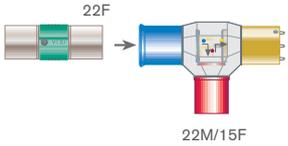
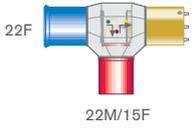
## Reprocessable clear paediatric connectors

				
<b>Code</b>	9121	9122	9123	9124
<b>Box qty.</b>	10	10	5	5
<b>Connections</b>	15M-15M	22F-15M	22M/15F-15M	22M/15F-15M
<b>Connector type</b>	Straight	Straight	Y-piece	Y-piece
<b>Ports</b>				✓

			
<b>Code</b>	9130	9131	9134
<b>Box qty.</b>	5	5	5
<b>Connections</b>	22M-8mm spigot	22M/15F-15M	22M/15F-15M
<b>Connector type</b>	Straight	Elbow	T-piece
<b>8mm Spigot</b>	✓	✓	✓

## Reprocessable system accessories

Bain adaptor and Ruben valve

			
<b>Code</b>	8713851	7562710	7562700
<b>Box qty.</b>	1	1	1
<b>Accessory</b>	Bain adaptor	Ruben Valve	Ruben Valve
<b>Connections</b>	22F-22M	22F-22M/15F	22F-22M/15F

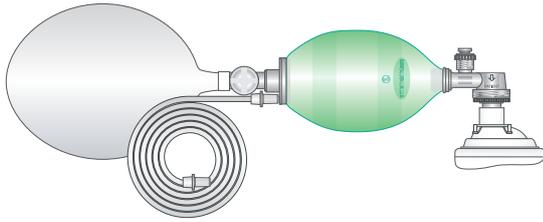
## Reprocessable system accessories

Exhaust valves, Elbow connectors, Expiratory valves

<b>Code</b>	8713823	8713821	8713839	8713824	8686816
<b>Box qty.</b>	1	1	1	1	1
<b>Accessory</b>	Exhaust Valve	Exhaust Valve	Exhaust Valve	Exhaust Valve	Expiratory Valve
<b>Connections</b>	22M/15F- 22M/15F	22F-22M/15F	22M/15F - 22F	22M/15F- 22M/15F	15F-22M/15F
<b>Spigot</b>			✓	✓	
<b>Expiratory Valve</b>					✓
<b>Code</b>	8686815	8686820	8686819	8708801	
<b>Box qty.</b>	1	1	1	1	
<b>Accessory</b>	Expiratory Valve	Expiratory Valve	Expiratory Valve	Paediatric Elbow Expiratory Valve	
<b>Connections</b>	22F-22M/15F	22M/15F - 22M	22M/15F-22F	15M-22M/15F	
<b>Spigot</b>		✓	✓	✓	
<b>Expiratory Valve</b>	✓	✓	✓	✓	

## Emergency care

Self-inflating resuscitation systems (BVM)



For PEEP valves see critical care section

Code	7152	7153	7151	7154	7150	Code	7160	7161
Box qty.	6	6	5	5	5	Box qty.	20	10
Patient	Adult	Adult	Child	Child	Infant	Accessory	Inline manometer for use with self-inflating resuscitation systems (BVM)	PEEP valve adaptor for use with self-inflating resuscitation systems (BVM)
Mask size	5	4	3	1	1			
Bag size	1.5L	1.0L	550ml	550ml	280ml			
Pressure relief valve (40cm H <sub>2</sub> O)		✓	✓	✓	✓			

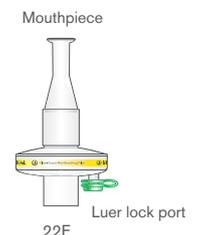
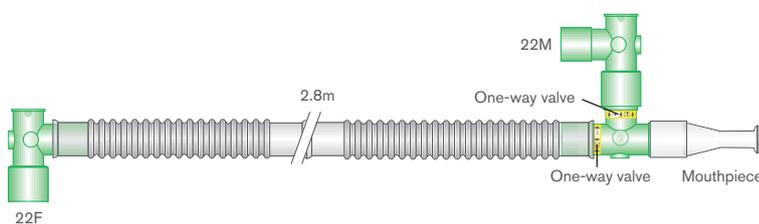
## Emergency care

Pocket resuscitation mask

Code	1158
Box qty.	16
Connections	15M
Oxygen connector	✓
Headstrap	✓
Filter	✓
Carry case	✓



## Entonox® (Nitrous Oxide and Oxygen) delivery systems



system illustrated

Code	2620001	2630001	Code	1644131
Box qty.	20	20	Box qty.	50
System length	2.8m	2.8m	Accessory	Mouthpiece filter kit for use with hand held Entonox breathing systems
Mouthpiece/Mask	Mouthpiece	Mask		
One way valves	✓	✓		

## CO<sub>2</sub> Absorbents The choice is yours

Our range of medical grade absorbents and standard soda lime are available in a number of configurations to suit your requirements. These include loose fill, pre-filled absorbent cartridges and disposable absorbers for specific equipment.

### Now it's easy to choose your absorbent online

Visit [www.intersurgical.com/info/absorbents](http://www.intersurgical.com/info/absorbents) and match your machine and model to one of our canisters or loose fill options.

**Spherasorb®** A unique medical grade soda lime designed specifically for clinical use. Spherasorb's chemical formulation has been developed specifically to address the potential problems of use within the medical environment.

**LoFloSorb®** A unique medical grade CO<sub>2</sub> absorbent that contains no Alkali Hydroxide. LoFloSorb eliminates the risk associated with reactions with volatile anaesthetics.

**Intersorb Plus®** A conventional soda lime Carbon Dioxide absorbent comprised of short porous 3mm diameter strands.



[www.intersurgical.com/info/absorbents](http://www.intersurgical.com/info/absorbents)

#### Loose fill



#### The Drum®



#### The Pyramid®



#### IS Pac®



#### Is Can®



## Loose fill options

1 kg packages or 5 litre jerrican



Code	2179	2180	2175	2173	2174	2172	2178
Box qty.	2	2	2	10	2	10	2
Absorbent	Intersorb Plus	Intersorb Plus	Spherasorb	Spherasorb	Spherasorb	Spherasorb	LoFloSorb
Pack type	5L Jerican	5L Jerican	5L Jerican	1kg Bag	5L Jerican	1kg Bag	5L Jerican
Colour change	White to Violet	Pink to White	White to Violet	White to Violet	Pink to White	Pink to White	Green to Violet

## The Drum®

1 kg pre-filled absorbent cartridge

The Drum is compatible with all anaesthetic machines with single or double absorbers that have been designed to take a conventional pre-filled cartridge.



Code	2184	2185	2186	2187	2188
Box qty.	10	10	10	10	10
Absorbent	Intersorb Plus	Intersorb Plus	Spherasorb	Spherasorb	LoFloSorb
Colour change	White to Violet	Pink to White	White to Violet	Pink to White	Green to Violet

## The Pyramid®

1 kg pre-filled disposable carbon dioxide absorber

The Pyramid is compatible with the following Draeger anaesthetic workstations if fitted with the Draeger CLIC adaptor:

Cicero EM® Cato edition® Fabius CE® Fabius GS® Julian® Primus® Zeus®



Code	2189	2190	2191	2192	2193
Box qty.	6	6	6	6	6
Absorbent	Intersorb Plus	Intersorb Plus	Spherasorb	Spherasorb	LoFloSorb
Colour change	White to Violet	Pink to White	White to Violet	Pink to White	Green to Violet

## IS Pac®

0.5kg pre-filled disposable carbon dioxide absorber

The IS Pac is compatible with GEH (ADU) Compact Block® and Anmedic Q Block



Code	2183001	2183002	2183003	2183004	2183005
Box qty.	10	10	10	10	10
Absorbent	Intersorb Plus	Intersorb Plus	Spherasorb	Spherasorb	LoFloSorb
Colour change	White to Violet	Pink to White	White to Violet	Pink to White	Green to Violet

## IS Can®

1 kg pre-filled disposable carbon dioxide absorber

The IS Can is compatible only with the following GE anaesthetic workstations:

Aespire®, Avance®, Aisys®, ADU®



Code	2194	2195	2196	2197	2198
Box qty.	6	6	6	6	6
Absorbent	Intersorb Plus	Intersorb Plus	Spherasorb	Spherasorb	LoFloSorb
Colour change	White to Violet	Pink to White	White to Violet	Pink to White	Green to Violet

## Which product fits your machine?

### Draeger® compatibility guide

Draeger®	Loose fill	Drum	Pyramid	IS Pac	IS Can
Zeus with CLIC adaptor	-	-	✓	-	-
Zeus with refillable absorber	✓	-	-	-	-
Primus/Apollo with CLIC adaptor	-	-	✓	-	-
Primus/Apollo with refillable absorber	✓	-	-	-	-
Fabius Tiro with CLIC adaptor	-	-	✓	-	-
Fabius Tiro with refillable absorber	✓	-	-	-	-
Fabius GS with CLIC adaptor	-	-	✓	-	-
Fabius GS with refillable absorber	✓	-	-	-	-
Fabius CE with CLIC adaptor	-	-	✓	-	-
Fabius CE with refillable absorber	✓	-	-	-	-
Julian with CLIC adaptor	-	-	✓	-	-
Julian with refillable absorber	✓	-	-	-	-
Cicero with CLIC adaptor	-	-	✓	-	-
Cato with refillable absorber	✓	-	-	-	-
Cicero with CLIC adaptor	-	-	✓	-	-
Cato with refillable absorber	✓	-	-	-	-
All above are registered trademarks of Draeger Medical					
Narkomed 2B	✓	✓	-	-	-
Narkomed 4	✓	✓	-	-	-
Narkomed GS	✓	✓	-	-	-
Narkomed Mobile	✓	✓	-	-	-
Other	✓	-	-	-	-

### GE Healthcare® compatibility guide

GE Healthcare®	Loose fill	Drum	Pyramid	IS Pac	IS Can
Aisys using the pre-filled Multiabsorber	-	-	-	-	✓
Aisys using the refillable Multiabsorber	✓	-	-	-	✓
Avance using the pre-filled Multiabsorber	-	-	-	-	✓
Avance using the refillable Multiabsorber	✓	-	-	-	✓
Aespire reusing the pre-filled Multiabsorber	-	-	-	-	✓
Aespire using the refillable Multiabsorber	✓	-	-	-	✓
ADU using the pre-filled Compact absorber	-	-	-	✓	✓
ADU using the refillable Compact absorber	✓	-	-	✓	✓
Aestiva	✓	✓	-	-	-
Excel	✓	✓	-	-	-
Modulus	✓	✓	-	-	-
All above are registered trademarks of GE Healthcare					
Other	✓	DoM	-	-	-

## Maquet® (formerly Siemens®) compatibility guide

Maquet®	Loose fill	Drum	Pyramid	IS Pac	IS Can
Kion-i	✓	✓	-	-	-
Flow-i	DoM				
All above are registered trademarks of Maquet					
Other	DoM	-	-	-	-

## Spacelabs® compatibility guide

Spacelabs®	Loose fill	Drum	Pyramid	IS Pac	IS Can
Focus	✓	✓	-	-	-
Frontline	✓	✓	-	-	-
All above are registered trademarks of Spacelabs					
Sirius	✓	✓	-	-	-
Other	✓	DoM	-	-	-

## Penlon® compatibility guide

Penlon®	Loose fill	Drum	Pyramid	IS Pac	IS Can
A100	✓	✓	-	-	-
SP100	✓	✓	-	-	-
SP200	✓	✓	-	-	-
Other	✓	DoM	-	-	-
Other manufacturers	DoM	DoM	DoM	DoM	DoM

## Other manufacturers compatibility guide

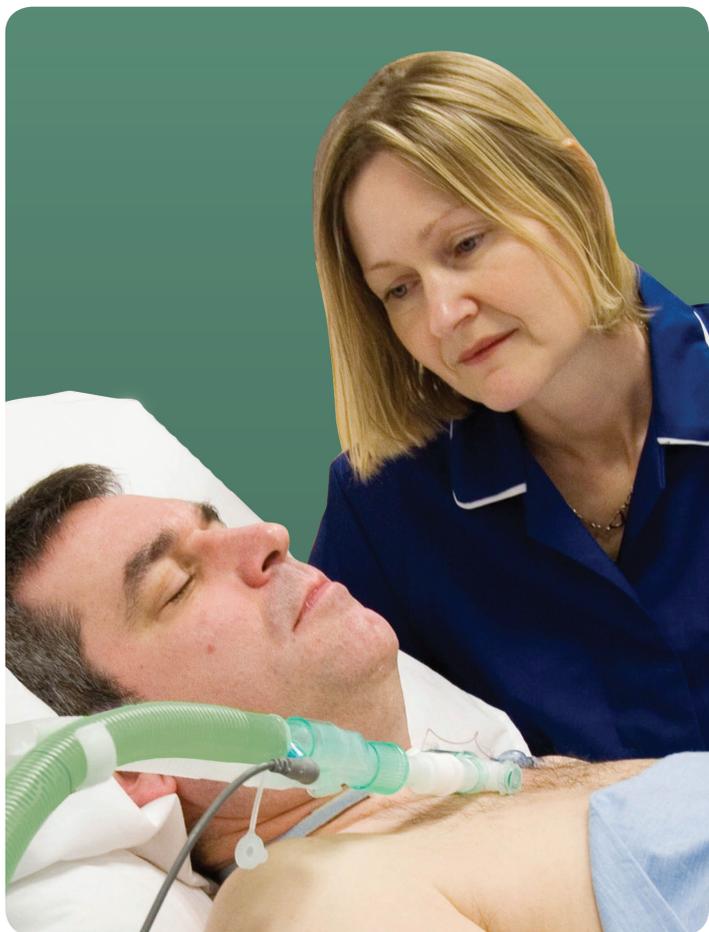
Other manufacturers	Loose fill	Drum	Pyramid	IS Pac	IS Can
Other manufacturers machine	DoM	DoM	DoM	DoM	DoM

DoM - Depends on Machine

## Critical care

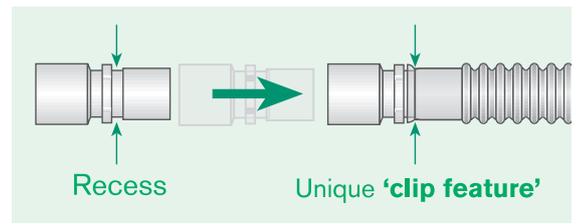
Breathing systems, non-invasive ventilation products, oral care and accessories for use in the critical care environment.

- Breathing systems
- Non-invasive ventilation
- Oral care
- Accessories

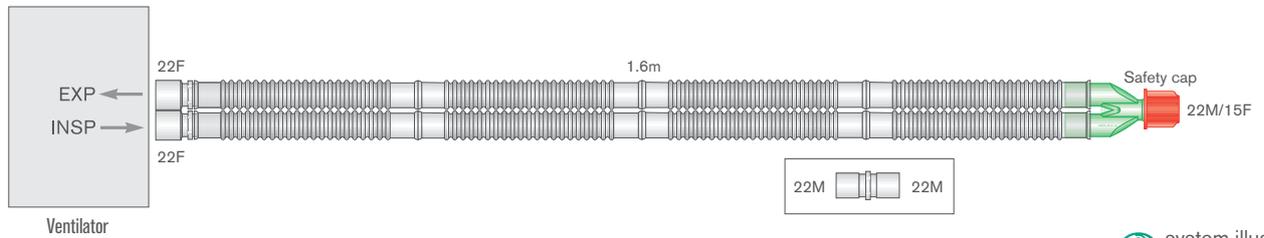


## Breathing systems for passive humidification

**Flextube** breathing systems have a unique clip feature; when used with Intersurgical connectors with a recess, an airtight fit is achieved. This ensures that there are no leaks or disconnections.



### Flextube breathing systems for passive humidification

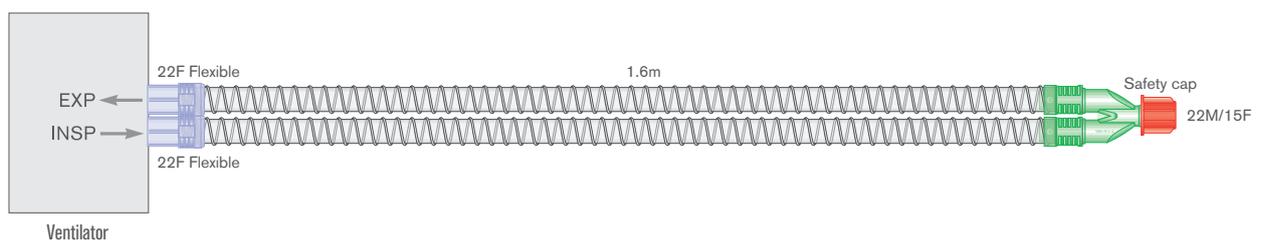


system illustrated

Code	2000	2200	2000100	2006	2001	2002	2004	2003	4500
Box qty.	20	20	20	15	15	20	10	15	12
Tube size	22mm	22mm	22mm	22mm	22mm	22mm	22mm	22mm	15mm
Length	1.6m	1.6m	1.6m	2.0m	2.4m	1.6m	1.6m	2.4m	1.6m
Extra limb						0.8m	0.8m	0.8m	
Detachable limb for nebuliser		✓							
Anti-microbial			✓						
Ported Y-Piece							✓		✓
Sterile option code	2000000S				2001000S	2002000S			
Sterile box qty.	15				15	15			

**Smoothbore** systems are available in PVC and non-PVC options and incorporate flexible connectors at the machine end.

### Smoothbore breathing systems for passive humidification

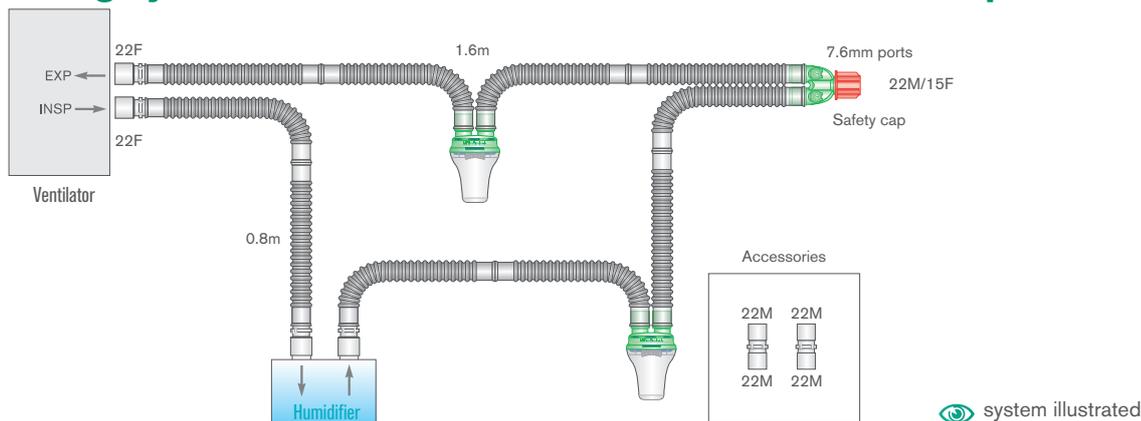


system illustrated

Code	5000	5200	5001	5016	5024
Box qty.	12	20	12	15	10
Tube size	22mm	22mm	22mm	15mm	15mm
Length	1.6m	1.6m	2.0m	1.6m	2.4m
Non PVC		✓			
Sterile option code	5000000S				
Sterile box qty.	12				

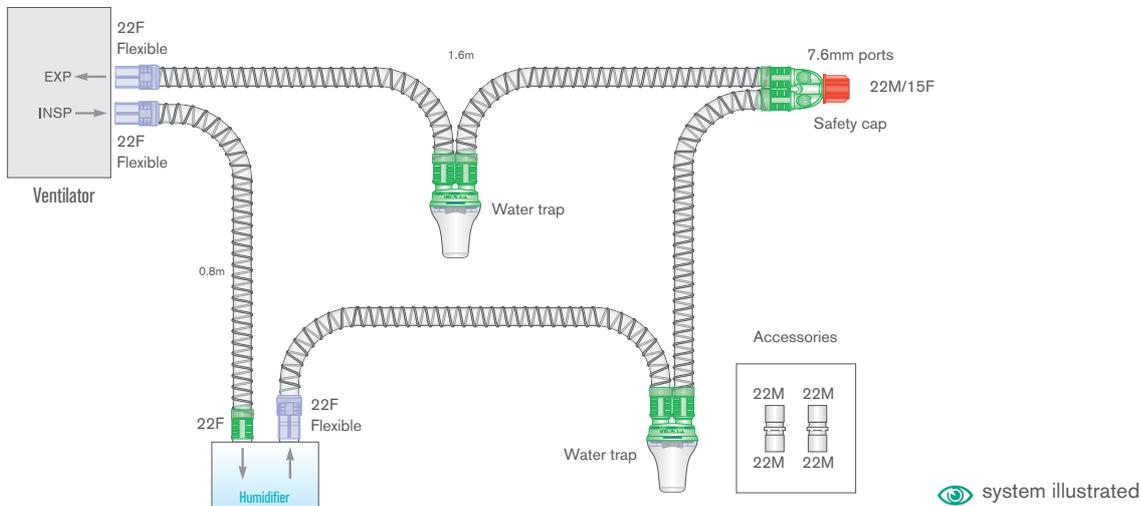
## Breathing systems for active humidification with water traps

### Flextube® breathing systems for active humidification with water traps



Code	2009	2209	2034	4503	4510
Box qty.	15	15	15	10	15
Tube size	22mm	22mm	22mm	15mm	10mm
Length	1.6m	1.6m	1.6m	1.6m	1.6m
Water traps	2	2	2	2	2
Ported Y-Piece	✓	✓	✓	✓	✓
Detachable		✓			✓
Draeger Temp port			✓		

### Smoothbore breathing systems for active humidification with water traps

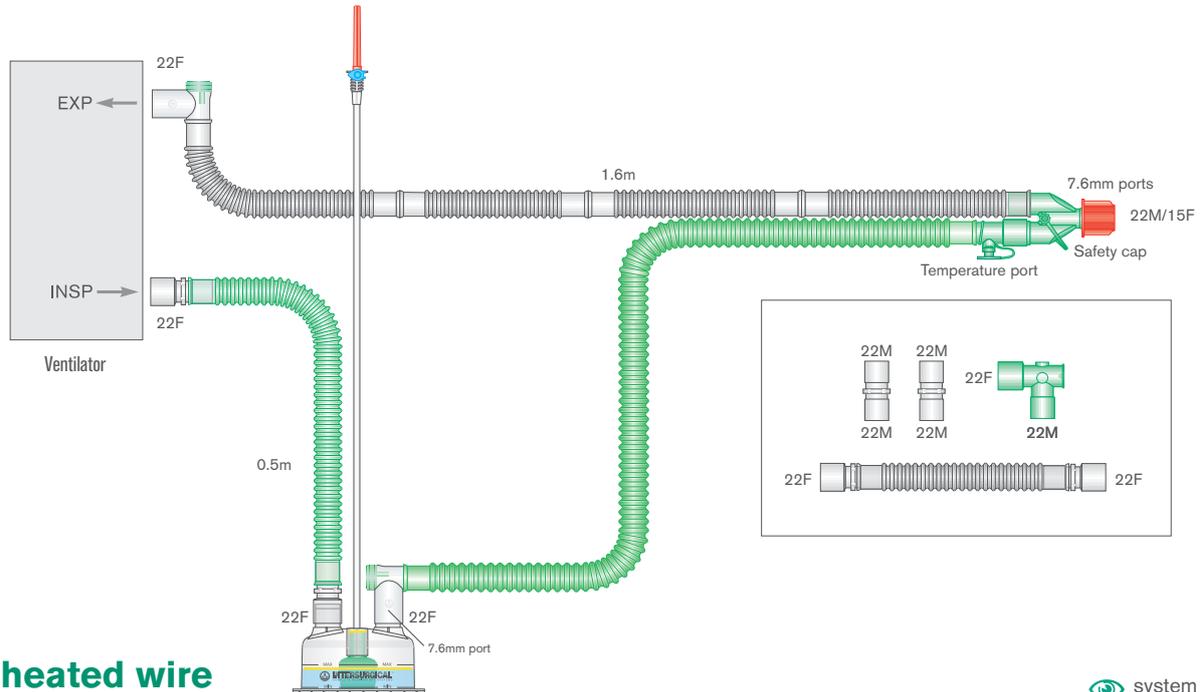


Code	5009	5209	5207	5007	5008	5513
Box qty.	10	16	18	10	10	12
Tube size	22mm	22mm	22mm	22mm	22mm	15mm
Length	1.6m	1.6m	1.6m	1.6m	1.6m	1.6m
Extra limb	0.5m	0.5m			0.5m	0.4m
Water traps	2	2	1	1	2	2
Ported Y-Piece	✓	✓	✓	✓	✓	✓
Non PVC		✓	✓			
Detachable Y-Piece	✓	✓	✓			✓
Sterile option code	5000000S			5007000S		
Sterile box qty.	12			16		

# Breathing systems for Active humidification with heated wire

Intersurgical systems are available with single or dual options and can be supplied complete with an **Auto Fill** chamber if required.

## Flextube breathing systems for active humidification with heated wire



### Dual heated wire

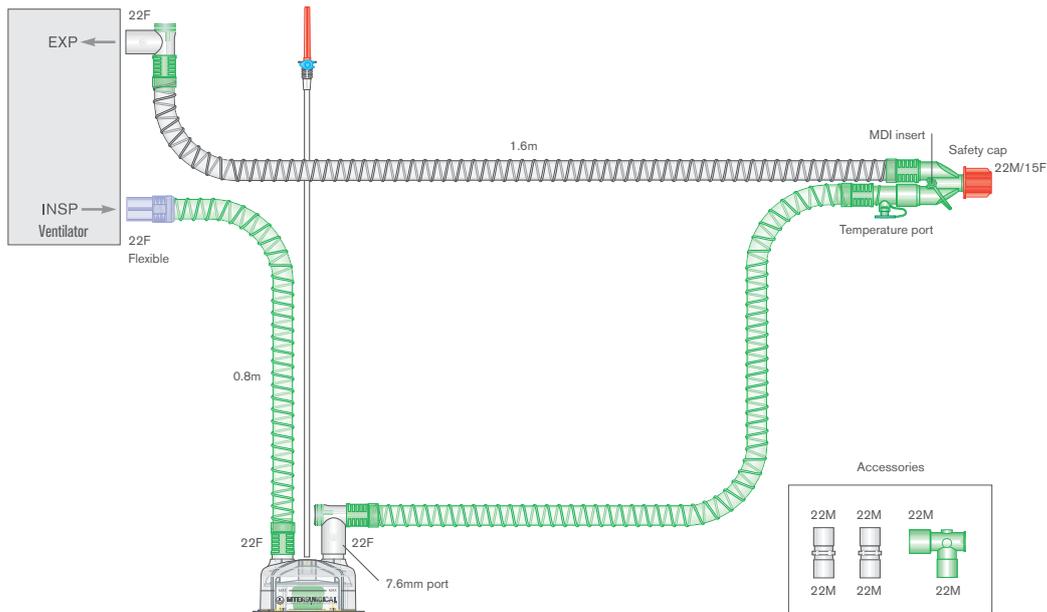
system illustrated

Code	2026	2026310	2026100	2026131	4525850	4558810	6392810
Box qty.	10	7	10	7	15	10	7
Tube size	22mm	22mm	22mm	22mm	15mm	15mm	10mm
Length	1.6m	1.6m	1.6m	1.6m	1.6m	1.6m	1.6m
Dual heated	✓	✓	✓	✓	✓	✓	✓
Auto Fill chamber		✓		✓		✓	✓
Anti-Microbial			✓	✓			
Low Flow MV below 4lpm						✓	
Sterile option code		2026310S					
Sterile box qty.		6					

### Single heated wire

Code	2025	2025310	2025100	2025131	4504810	6391810
Box qty.	10	7	10	7	7	7
Tube size	22mm	22mm	22mm	22mm	15mm	10mm
Length	1.6m	1.6m	1.6m	1.6m	1.6m	1.6m
Single heated	✓	✓	✓	✓	✓	✓
Auto Fill chamber		✓		✓		✓
Anti-Microbial			✓	✓		
Sterile option code		5025310S				
Sterile box qty.		5				

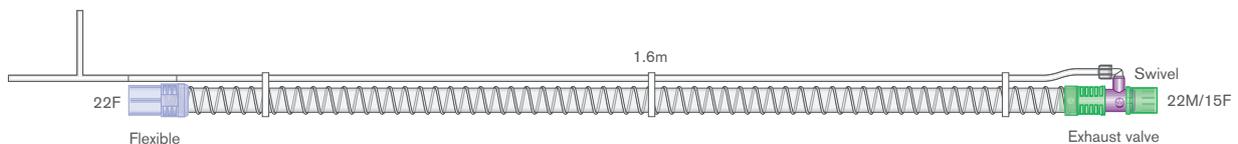
## Smoothbore breathing systems for active humidification with heated wire



system illustrated

Code	5026	5026310	5025	5025310
Box qty.	10	8	10	7
Tube size	22mm	22mm	22mm	22mm
Dual heated	✓	✓		
Single heated			✓	✓
Auto Fill chamber		✓		✓
Sterile option code		5026310S		5025310S
Sterile box qty.		7		7

## BIPAP breathing systems



system illustrated

Code	5805	5804	5808	5809	2031
Box qty.	25	30	25	15	6
Length	1.6m	1.6m	1.6m	1.6m	1.8m
Monitoring line	✓		✓	✓	✓
Tube type	Smoothbore	Smoothbore	Smoothbore	Smoothbore	Flextube
Tube size	22mm	22mm	22mm	22mm	30mm
Heated wire					✓
Water trap				✓	

## Individual Smoothbore tube lengths with soft connectors

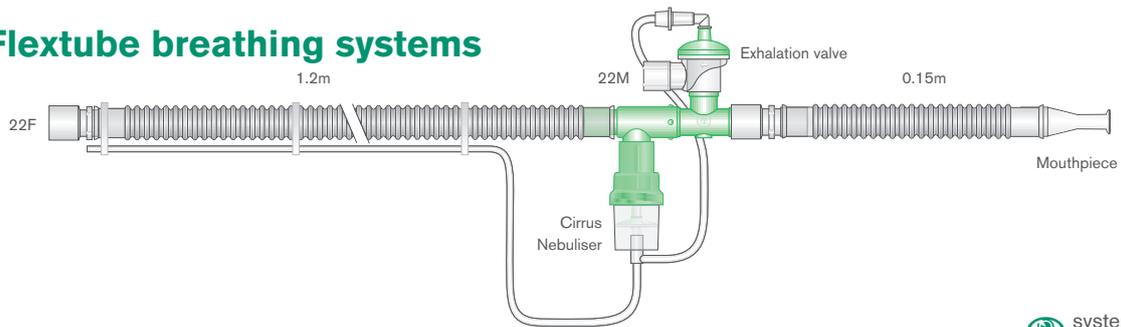


Code	5003	5004	5005	5006	5206	5080
Box qty.	50	50	50	40	40	40
Length	0.3m	0.4m	0.5m	0.6m	0.6m	0.8m
Non PVC 					✓	
Sterile option code						5080000S
Sterile box qty.						25

Code	5010	5012	5015	5018	5218	5020
Box qty.	40	30	30	20	20	20
Length	1.0m	1.2m	1.5m	1.8m	1.8m	2.0m
Non PVC 					✓	
Sterile option code	5010000S	5012000S	5015000S	5018000S		5020000S
Sterile box qty.	25	25	25	25		20

## IPPB Flextube breathing systems



 system illustrated

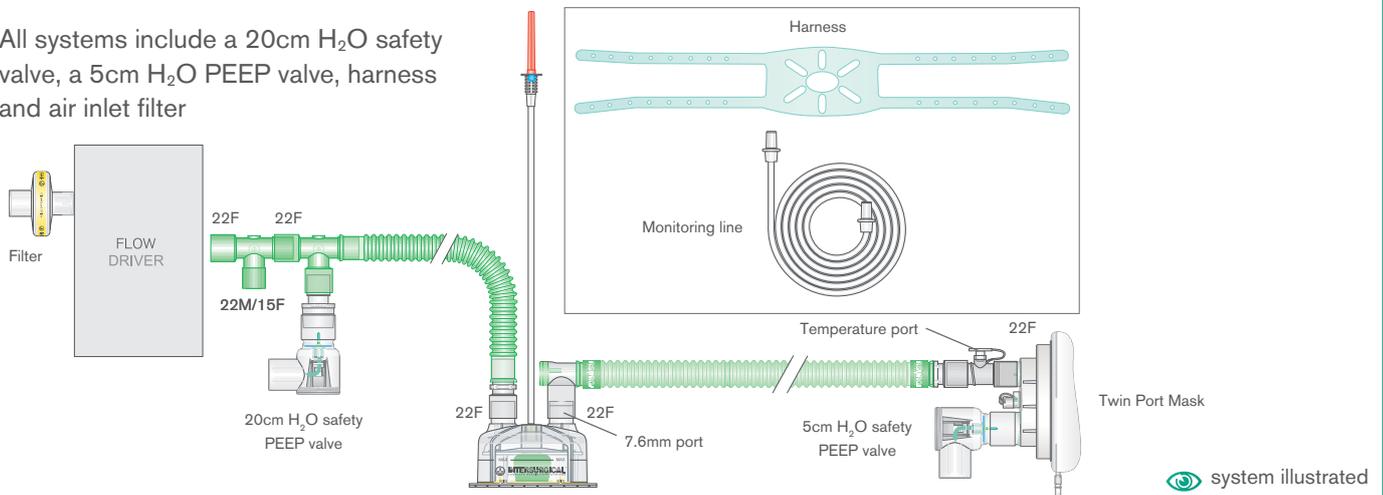
Code	1414 	1415	1416
Box qty.	20	20	20
Machine compatibility	Draeger Inhalog	BIRD	Universal

## CPAP Flextube breathing system kits

We offer a range of complete 22mm Flextube high flow hospital CPAP systems, these have been designed to be compatible with a wide range of equipment. Systems are available for equipment that require a safety valve (generally venturi type) and equipment with built in safety valve.

### CPAP systems for use with flow drivers requiring a safety valve

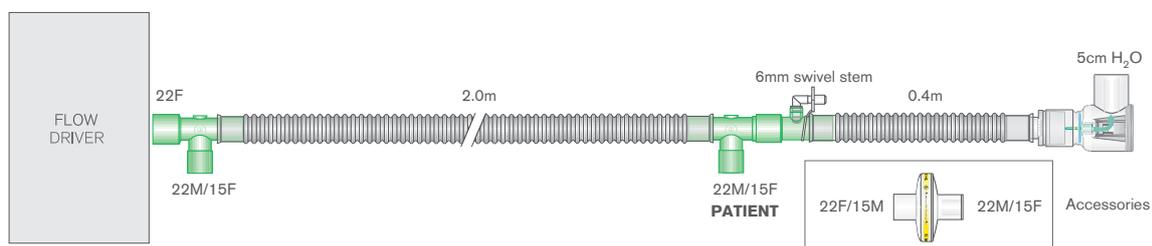
All systems include a 20cm H<sub>2</sub>O safety valve, a 5cm H<sub>2</sub>O PEEP valve, harness and air inlet filter



Code	2230	2238	2231	2234	2240	2235
Box qty.	15	15	12	20	15	12
Length	2.0m	1.6m	1.6m	2.0m	1.6m	1.6m
Patient connection	Twin port mask	Twin port mask	Twin port mask	T-piece	T-piece	T-piece
Heated wire		✓	✓		✓	✓
Auto Fill chamber			✓			✓

### CPAP systems for use with devices with built in safety valve

All systems include a 5cm H<sub>2</sub>O PEEP valve and harness



Code	2232	2239	2233	2236	2237
Box qty.	15	15	12	20	12
Length	2.0m	1.6m	1.6m	2.0m	1.6m
Patient connection	Twin port mask	Twin port mask	Twin port mask	T-piece	T-piece
Heated wire		✓	✓		✓
Auto Fill chamber			✓		✓

## C-PEEP® valves



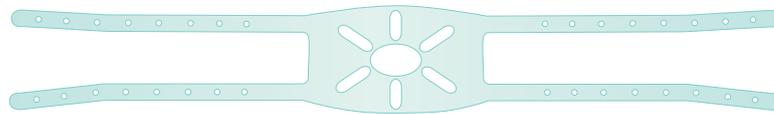
Code	2202	2205	2207	2210	2212	2215	2220	2226
Box qty.	5	5	5	5	5	5	5	10
Preset H <sub>2</sub> O	2.5cm	5cm	7.5cm	10cm	12.5cm	15cm	20cm	Adjustable
Colour	Black	Blue	Yellow	Green	Pink	Red	Brown	

## CPAP Twin Ported masks



Code	2221	2222
Box qty.	12	12
Size	Small adult	Medium/large adult

## CPAP harnesses



system illustrated

Code	2223	2224
Box qty.	12	12
Size	Small adult	Medium/large adult

## InterFlow® CPAP flow generator

The InterFlow CPAP flow generator is a venturi device that can provide high flow for hospital CPAP systems and is fully compatible with our range of systems for use with devices that require a safety valve. High pressure oxygen hoses are available on request.



Code	2225	2225002
Box qty.	1	1
Interflow CPAP flow generator	✓	
Oxygen analyser		✓

## Oral care products



[www.intersurgical.com/oralcare](http://www.intersurgical.com/oralcare)



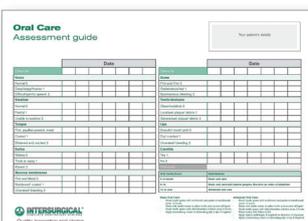
	Code	Box qty.	Product description
	3008	50	OroCare™2 suctioning toothbrush
	3008001	50	OroCare™2 with self-fillable vial
	3009	50	OroClean Complete OroClean toothbrush OroClean tooth gel, 2g OroCath oropharyngeal suction catheter
	3011	30	OroCare™ Mini
	3018	80	OroCath oropharyngeal suction catheter

## Accessories *(available separately)*



 illustrated

Code	Box qty.	Product description
3010 	100	OroFill antibacterial mouthwash vials, 15ml
3021	250	OroClean tooth gel, 2g
3019	40	OroCare™ suction tubing (funnel-funnel) 2M
3020	40	OroCare™ suction tubing (funnel-fingertip) 2M



## Protocols & assessment guides

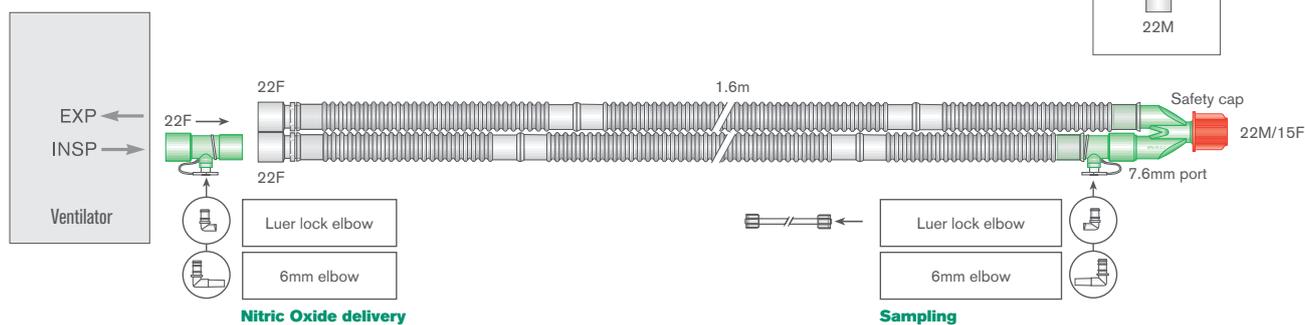
Available to download to assist you in your Oral Care programme



## Video guides

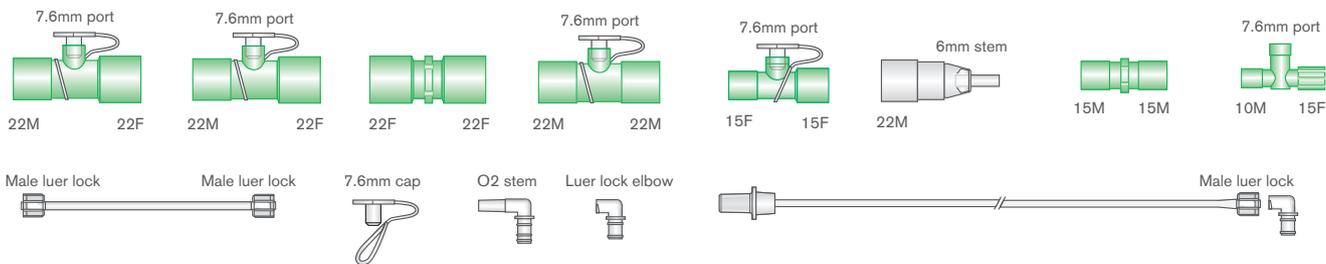
'How to' video demonstrations in high definition  
[www.intersurgical.com/oralcare](http://www.intersurgical.com/oralcare)

## Nitric Oxide Breathing system



<b>Code</b>	2000058
<b>Box qty.</b>	20
<b>Length</b>	1.6m

## Nitric Oxide adaptor kit (adult)



<b>Code</b>	6216
<b>Box qty.</b>	50

## FaceFit® NIV mask

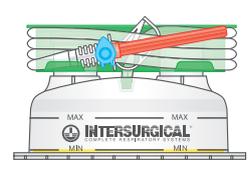
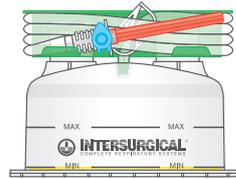
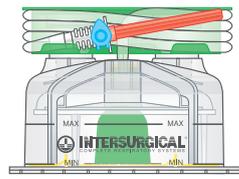
FaceFit is a range of lightweight and comfortable masks for use in non-invasive ventilation offering a cost effective solution for NIV.



[www.intersurgical.com/info/facefit](http://www.intersurgical.com/info/facefit)

Code	2250	2251	2252	2255	2256	2257
<b>Box qty.</b>	12	12	12	12	12	12
<b>Size</b>	Small	Medium	Large	Small	Medium	Large
<b>NIV ported</b>	✓	✓	✓			
<b>NIV non ported</b>				✓	✓	✓

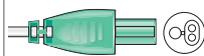
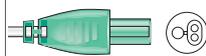
## Humidification chambers



Code	2310	2320	2330
Box qty.	30	30	30
Auto-fill	✓		
Manual fill		✓	✓
Low volume			✓
Sterile option code	2310000S		
Sterile box qty.	30		

## Electrical adaptor leads

For electrical connection of the heated wire breathing system to the humidifier



Code	5600	5601	5603	5604	5605
Box qty.	1	1	1	1	1
For use with MR850	✓	✓			
For use with MR730			✓	✓	
For use with MR500/600					✓
Single heated wire system	✓		✓		✓
Dual heated wire system		✓		✓	

## System accessories



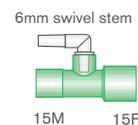
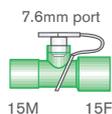
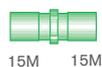
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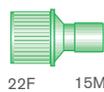
illustrated

Code	5904	5905	1912	1911
Box qty.	1	1	50	55
Size	Adult/Paediatric systems (30mm/22mm/15mm)	Paediatric/Neonatal systems (15mm/10mm)	Large (125ml)	Medium (70ml)
Breathing system tube support	✓	✓		
Self sealing water trap			✓	✓

## 15mm Straight connectors

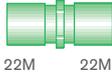
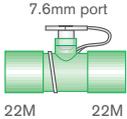
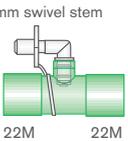
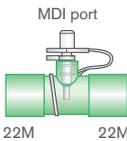
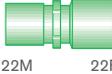


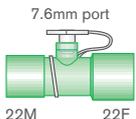
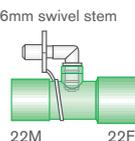
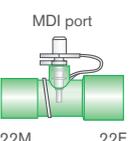
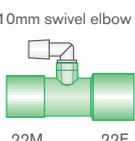
Code	1945	1946	1947	1947001	1948	1949
Box qty.	40	75	40	25	50	25
Size	15M-15M	15M-15F	15M-15F	15M-15F	15M-15F	15F-15F
7.6mm port			✓			
6mm swivel stem					✓	
MDI port				✓		



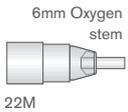
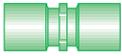
Code	1943	1976	1962	1979	1974
Box qty.	40	40	40	75	45
Size	15M-22M	15M-22M	22F-15M	22F-15F	22M/15F
Large oxygen stem 6.5mm					✓

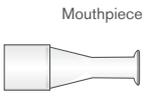
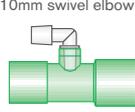
## 22mm Straight connectors

					
<b>Code</b>	1960	1966	1965	1966001	1961
<b>Box qty.</b>	40	25	25	25	40
<b>Size</b>	22M-22M	22M-22M	22M-22M	22M-22M	22M-22F
<b>7.6mm port</b>		✓			
<b>6mm swivel stem</b>			✓		
<b>MDI port</b>				✓	
<b>Sterile</b>	1960000S				1961000S
<b>Sterile Box qty.</b>	15				15

					
<b>Code</b>	1964	1963	1964001	1977	1969
<b>Box qty.</b>	25	25	25	35	40
<b>Size</b>	22M-22F	22M-22F	22M-22F	22M-22F	22M-22M/15F
<b>7.6mm port</b>	✓				
<b>6mm swivel stem</b>		✓			
<b>MDI port</b>			✓		
<b>10mm swivel elbow</b>				✓	
<b>Sterile</b>	1964000S				1969000S
<b>Sterile Box qty.</b>	15				15

## 22mm Straight connectors (cont)

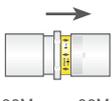
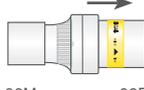
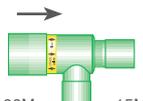
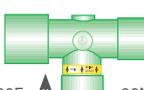
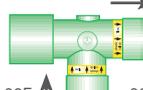
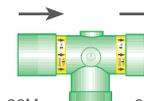
						
<b>Code</b>	1968	1967	1975	1970	1971	1930
<b>Box qty.</b>	50	35	50	35	25	40
<b>Size</b>	22M	22F-22F	22M-19M	22M-30M	22M-30F	22M
<b>6mm oxygen stem</b>	✓					
<b>Mouthpiece</b>						✓
<b>Sterile</b>		1967000S				
<b>Sterile Box qty.</b>		15				

					
<b>Code</b>	1931	1978	1510	1977	1568
<b>Box qty.</b>	35	45	75	35	100
<b>Size</b>	22F	22F	22M-22M	22M-22F	22F
<b>6mm oxygen stem</b>					✓
<b>Mouthpiece</b>	✓		✓		
<b>Safety cap</b>		✓			
<b>10mm swivel elbow</b>				✓	
<b>Sterile</b>				1977000S	
<b>Sterile Box qty.</b>				15	

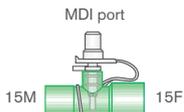
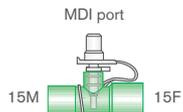
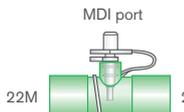
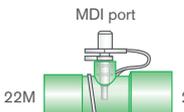
## Elastomeric soft connectors

	 15F	 15F	 15F	 22F	 22F	 22F
	22mm lipped or non-ISO connector	6-9mm spigot	9-11mm spigot	22mm lipped or non-ISO connector	22mm lipped or non-ISO connector	22mm lipped or non-ISO connector
<b>Code</b>	<b>1701</b>	<b>1702</b>	<b>1703</b>	<b>1704</b>	<b>1705</b>	<b>1706</b>
<b>Box qty.</b>	40	50	50	35	25	35
<b>Size</b>	15F	15F	15F	22F	22F	22F
<b>22mm lipped or non-ISO connector</b>	✓			✓	✓	✓
<b>6-9mm spigot</b>		✓				
<b>9-11mm spigot</b>			✓			

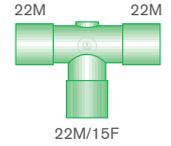
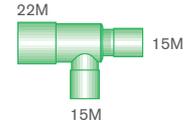
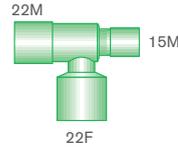
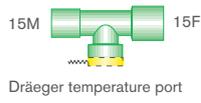
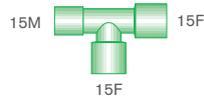
## Directional valves

	 22M 22M	 22M 22F	 22M 15M 15M	 22F 22M 22M	 22F 22M 22M	 22M 22M 22M/15F
<b>Code</b>	<b>1950</b>	<b>1921</b>	<b>1955</b>	<b>1952</b>	<b>1953</b>	<b>1954</b>
<b>Box qty.</b>	40	75	25	25	25	25
<b>Size</b>	22M-22M	22M-22F	22M-15M-15M	22F-22M-22M	22F-22M-22M	22M-22M-22M/15F

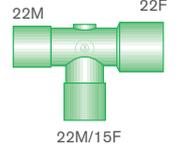
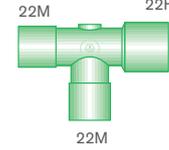
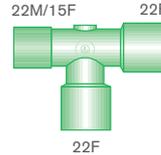
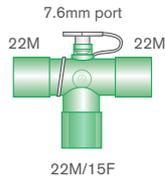
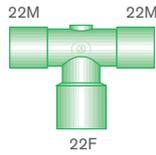
## Connection with MDI Ports

	 MDI port 15M 15F	 MDI port 15M 15F	 MDI port 22M 22M	 MDI port 22M 22F
<b>Code</b>	<b>1947001</b>	<b>1947003</b>	<b>1966001</b>	<b>1964001</b>
<b>Box qty.</b>	25	25	25	25
<b>MDI direction</b>	Away from patient	Towards patient	Away from patient	Away from patient

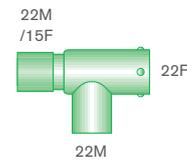
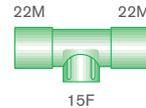
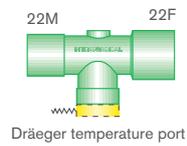
## T-piece connectors



<b>Code</b>	1802	1801	1989	1988	1980
<b>Box qty.</b>	40	40	25	40	25
<b>Size</b>	15M-15F-15F	15M-15F	22M-15M-22F	22M-15M-15M	22M-22M-22M/15F
<b>Draeger temperature port</b>		✓			

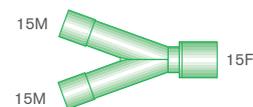
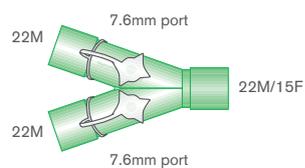
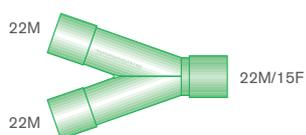


<b>Code</b>	1981	1984	1983	1982	1985
<b>Box qty.</b>	20	25	20	20	20
<b>Size</b>	22M-22M-22F	22M-22M-22M/15F	22M/15F-22F-22F	22M-22F-22M	22M-22F-22M/15F
<b>7.6mm port</b>		✓			

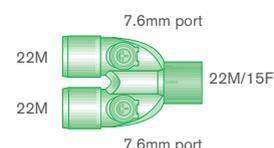
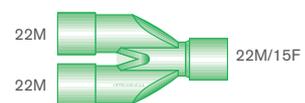
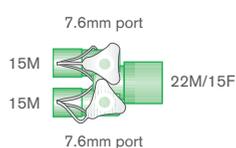


<b>Code</b>	1987	1800	1959	1986
<b>Box qty.</b>	25	35	30	20
<b>Size</b>	22M-22F	15M-15F-22M	22M-22M-15F	22M/15F-22F-22M
<b>Draeger temperature port</b>	✓			

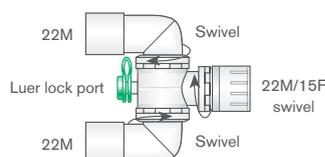
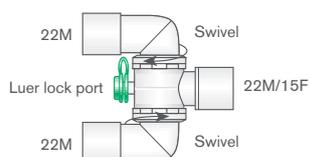
## Y-piece connectors



<b>Code</b>	1900	1901	1902
<b>Box qty.</b>	20	15	25
<b>Size</b>	22M-22M/15F-22M	22M-22M/15F-22M	15M-15F-15M
<b>7.6mm ports</b>		✓	



<b>Code</b>	1903	1926	1927
<b>Box qty.</b>	25	20	15
<b>Size</b>	15M-22M/15F-15M	22M-22M/15F-22M	22M-22M/15F-22M
<b>7.6mm ports</b>	✓		✓
<b>Parallel</b>		✓	✓



<b>Code</b>	1928	1929
<b>Box qty.</b>	15	15
<b>Size</b>	22M-22M/15F-22M	22M-22M/15F-22M
<b>Luer lock port</b>	✓	✓
<b>Swivel</b>	✓	✓ Double

## Oxygen and aerosol therapy

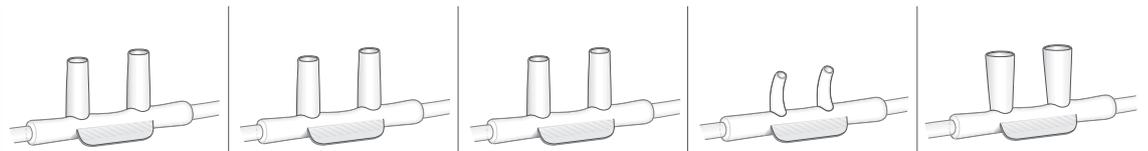
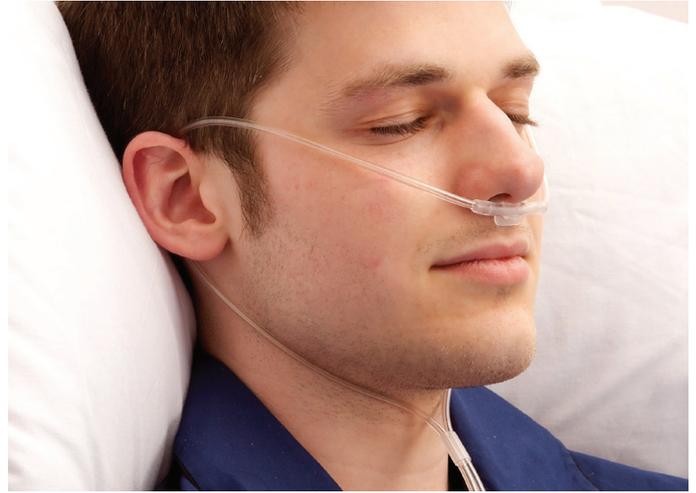
A range of products for fixed and variable concentration oxygen therapy, aerosol (humidification) therapy and nebulisation therapy.

- Oxygen therapy
- Aerosol therapy
- Nebulisation therapy

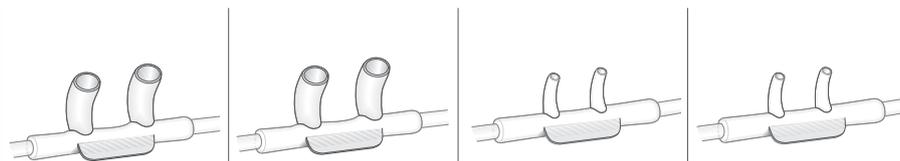


## Nasal Cannulae

Straight prong, curved prong, flared prong and curved flared prong options



Code	1161	1162	1169	1165	1166
Box qty.	50	20	100	50	50
Size	Adult	Adult	Adult	Adult	Adult
Prong type	Straight prong	Straight prong	Straight prong	Curved prong	Flared prong
Tube length	1.8m	5.0m	0.5m	1.8m	1.8m
Tubing	✓	✓	Headset only	✓	✓



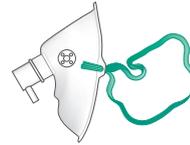
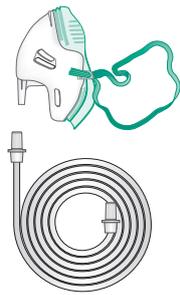
Code	1167	1168	1163	1164
Box qty.	50	100	50	50
Size	Adult	Adult	Paediatric	Neonatal
Prong type	Curved/Flared prong	Curved/Flared prong	Curved prong	Curved prong
Tube length	1.8m	0.5m	1.8m	1.8m
Tubing	✓	Headset only	✓	✓

## Medium concentration oxygen masks

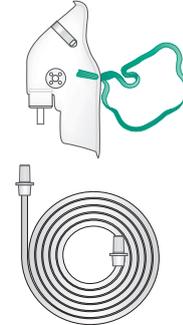
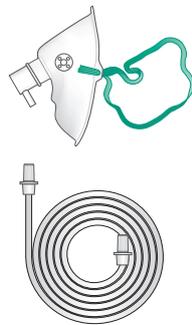
Adult medium concentration oxygen masks



[www.intersurgical.com/ecorange](http://www.intersurgical.com/ecorange)



<b>Code</b>	1135	1136	1104	1104001
<b>Box qty.</b>	40	55	70	70
<b>Size</b>	Adult	Adult	Adult	Adult
<b>eco</b>	✓	✓		
<b>Tube length</b>	2.1m			
<b>Ear loops</b>				✓



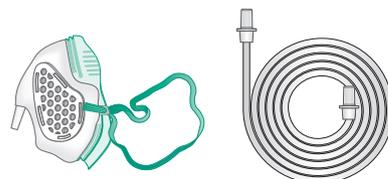
<b>Code</b>	1105	1106	1115	1116
<b>Box qty.</b>	50	70	50	70
<b>Size</b>	Adult	Small adult	Adult	Adult
<b>Tube length</b>	1.8m		1.8m	
<b>Nose clip</b>			✓	✓

## FiltaMask®

The FiltaMask combines an oxygen delivery system with a filter media covering the exhalation ports. Designed to reduce the risk to paramedics, hospital staff and visitors



[www.intersurgical.co.uk/info/filtamask](http://www.intersurgical.co.uk/info/filtamask)



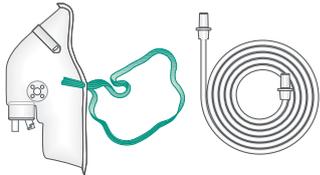
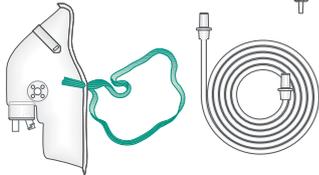
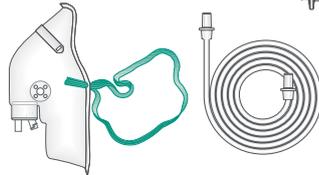
<b>Code</b>	1145
<b>Box qty.</b>	15
<b>Size</b>	Adult
<b>eco</b>	✓
<b>Tube length</b>	2.1m

## Sentri ETCO<sub>2</sub> masks

Capnography is vital during sedation. The Sentri ETCO<sub>2</sub> mask is a conventional medium concentration oxygen mask with the addition of a sampling port. This port permits sampling of exhaled carbon dioxide from both the mouth and nose in non-intubated patients during the administration of supplementary oxygen.

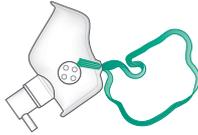


[www.intersurgical.co.uk/sentri](http://www.intersurgical.co.uk/sentri)

			
<b>Code</b>	1141	1142	1143
<b>Box qty.</b>	45	40	40
<b>Size</b>	Adult	Adult	Adult
<b>Tube length</b>	2.1m	2.1m	2.1m
<b>CO<sub>2</sub> monitoring line</b>		✓	✓
<b>Filter</b>			✓

## Medium concentration oxygen masks

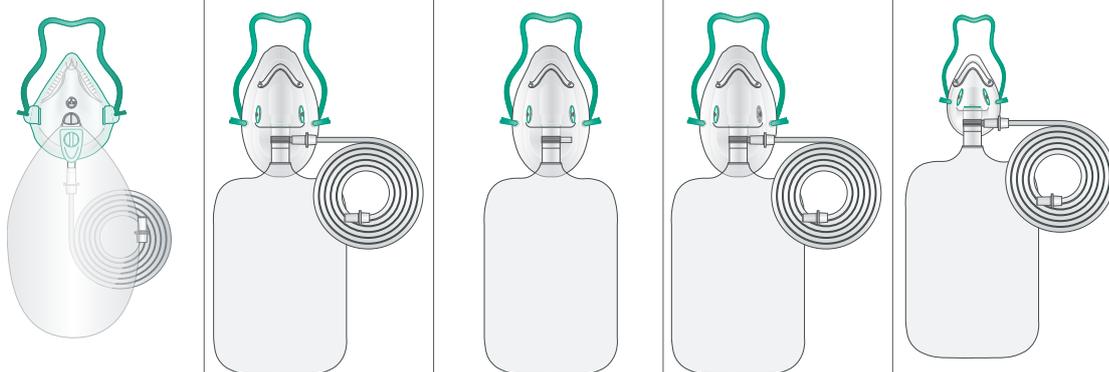
Paediatric medium concentration oxygen masks

				
<b>Code</b>	1140	1146	1190	1196
<b>Box qty.</b>	50	50	50	50
<b>Size</b>	Paediatric	Paediatric	Paediatric	Paediatric
<b>Tube length</b>		2.1m		1.8m
<b>Nose Clip</b>			✓	✓

## High concentration oxygen masks



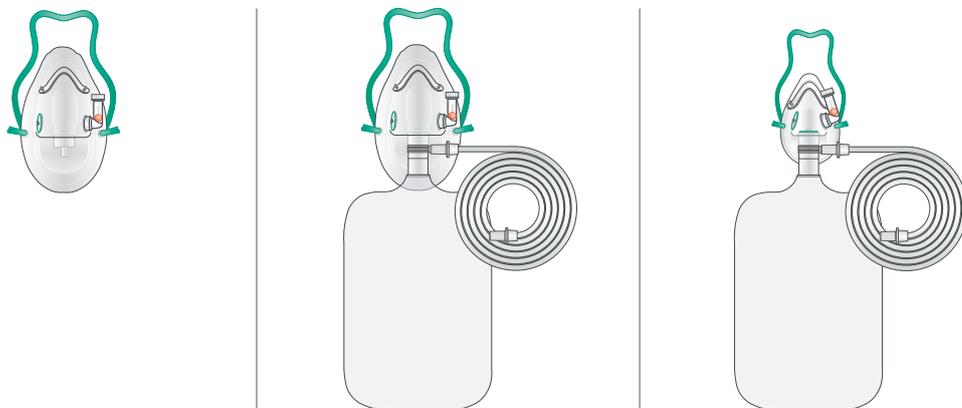
[www.intersurgical.com/ecorange](http://www.intersurgical.com/ecorange)



Code	1181	1102	1102002	1002	1192
Box qty.	30	40	20	15	40
Size	Adult	Adult	Adult	Adult	Paediatric
Tube length	2.1m	2.1m		2.1m	2.1m
Safety vent	✓			✓	
	✓				

## Respi-Check®

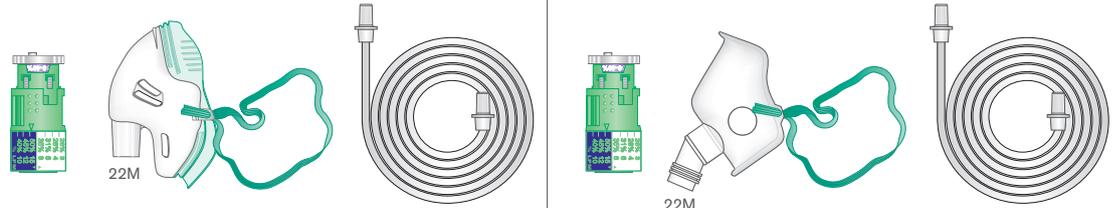
Breathing indicator masks for the accurate measurement of respiratory rate



Code	1216	1202	1292
Box qty.	20	20	20
Size	Adult	Adult	Paediatric
Tube length		2.1m	2.1m

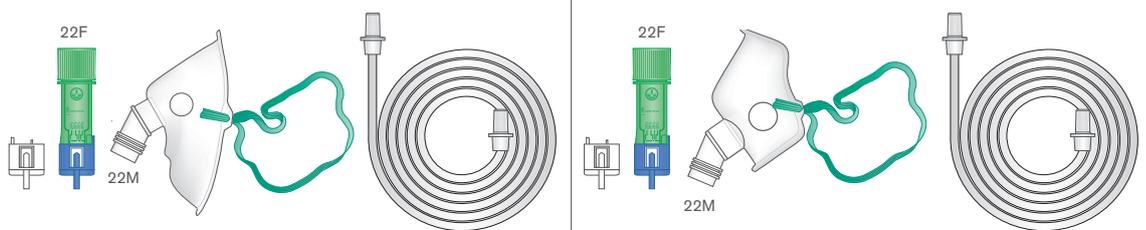


### Silente venturi basic mask kits



<b>Code</b>	<b>1137</b>	<b>1138</b>
<b>Box qty.</b>	80	45
<b>Size</b>	Adult	Paediatric
<b>Tube length</b>	1.8m	1.8m
<b>eco</b>	✓	

### Dual Venturi basic mask kits



<b>Code</b>	<b>1147</b>	<b>1187</b>
<b>Box qty.</b>	40	50
<b>Size</b>	Adult	Paediatric
<b>Tube length</b>	1.8m	1.8m

### Venturi Valves



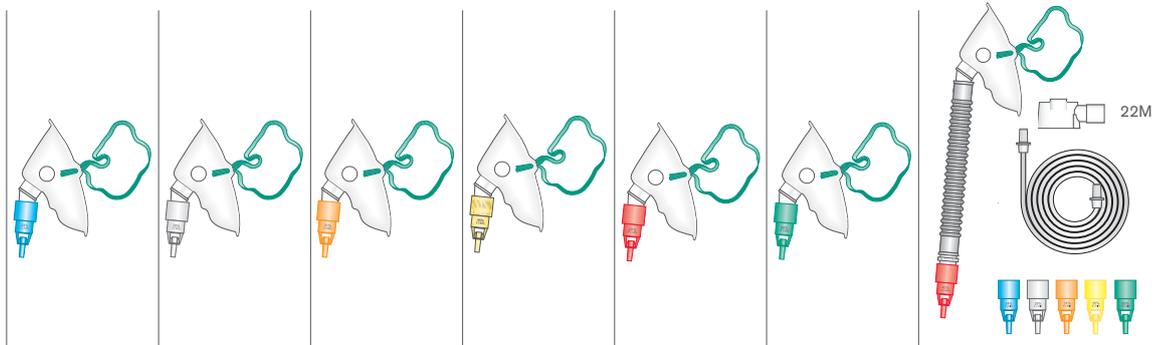
<b>Code</b>	<b>0024</b>	<b>0028</b>	<b>0031</b>	<b>0035</b>	<b>0040</b>	<b>0070</b>	<b>0060</b>
<b>Box qty.</b>	50	50	50	50	50	50	50
<b>Oxygen %</b>	24	28	31	35	40	50	60

## Venturi Valve and Eco mask kits



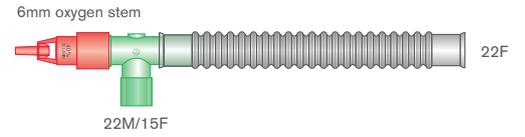
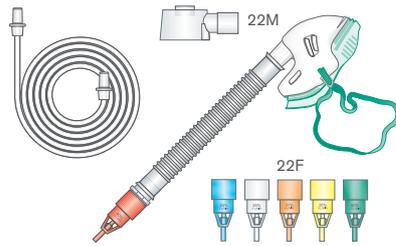
<b>Code</b>	1024080	1028080	1031080	1035080	1040080	1060080
<b>Box qty.</b>	40	40	40	40	40	40
<b>Size</b>	Adult	Adult	Adult	Adult	Adult	Adult
<b>Oxygen %</b>	24	28	31	35	40	60
<b>eco</b>	✓	✓	✓	✓	✓	✓

## Venturi valve mask kits



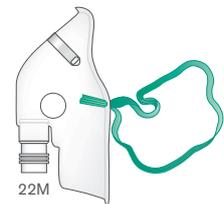
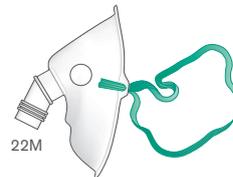
<b>Code</b>	1024090	1028090	1031090	1035090	1040090	1060090	1107
<b>Box qty.</b>	60	60	60	60	60	60	30
<b>Size</b>	Adult	Adult	Adult	Adult	Adult	Adult	Adult
<b>Oxygen %</b>	24	28	31	35	40	60	
<b>Basic kit</b>							✓

## Adult Eco mask Venturi kit and Oxygen recovery kit

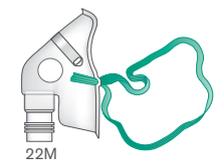
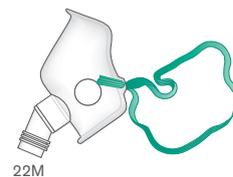
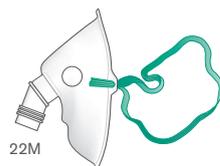


Code	1107080	1040013
Box qty.	25	40
Oxygen %		40
Tube length	1.8m	
Oxygen recovery kit		✓
Adult Eco mask venturi kit	✓	
<b>eco</b>	✓	

## Aerosol masks



Code	1188	1103	1108
Box qty.	50	70	70
Size	Adult	Adult	Adult
Nose clip			✓
<b>eco</b>	✓		



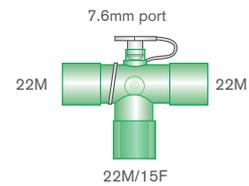
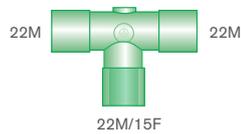
Code	1101	1148	1198
Box qty.	70	35	50
Size	Small adult	Paediatric	Paediatric
Nose clip	✓		✓

## Tracheostomy mask



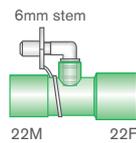
Code	1200050	1200	1206
Box qty.	30	30	35
Size	Adult	Adult	Paediatric
	✓		

## Tracheostomy T-pieces



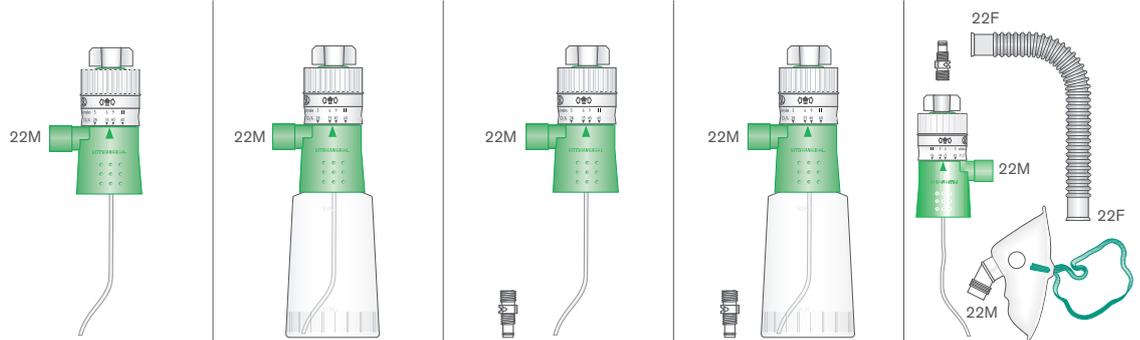
Code	1980	1984
Box qty.	25	25
7.6mm port		✓

## Adaptors



Code	1963	1504001	1505001	1506001	1508001	1509001
Box qty.	25	50	50	50	45	50
24% oxygen adaptor	✓					
DISS flowmeter nipple		✓				
M12 flowmeter nipple			✓			
BOC flowmeter adaptor				✓		
Sure Loc® flowmeter adaptor					✓	
M12 flowmeter adaptor						✓

## Aquamist humidifier nebulisers



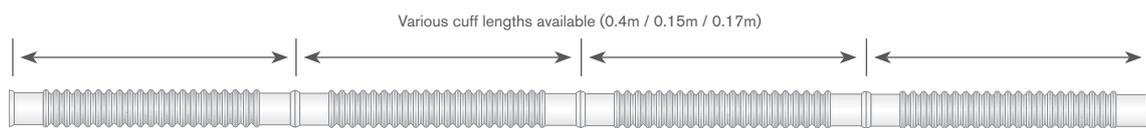
Code	1508	1509	1500	1502	1500001
Box qty.	24	25	24	25	15
Bottle		✓		✓	
BOC adaptor			✓	✓	✓
Mask and tubing					✓
Flextube length					2.0m

## AquaFlow oxygen bubble humidifiers



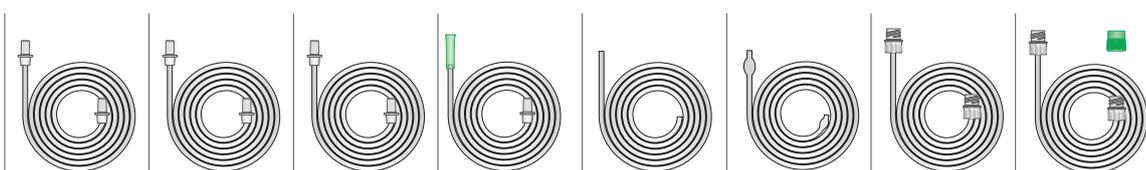
Code	1506	1505	1507	1521	1520
Box qty.	30	20	20	20	20
Bottle		✓	✓	✓	✓
M12 adaptor		✓			✓
Homecare bubble humidifier				✓	✓

## Aerosol hose 15mm / 22mm Flextube aerosol hose



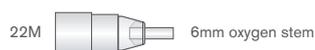
Code	1574	1574900	1574066	1573	1528	1575	1576
Box qty.	1	5	1	1	30	1	1
Size	22mm cuffed@ 0.4m	22mm cuffed@ 0.4m	22mm cuffed@ 0.4m	22mm cuffed@ 0.15m	22mm	15mm cuffed@ 0.17m	22mm cuffed@ 0.4m
Blue scavenging			✓				
Length	1 roll 50m	1 roll 50m	1 roll 50m	1 roll 50m	1.6m	1 roll 50m	1 roll 50m

## Oxygen and Sure Loc® tubing



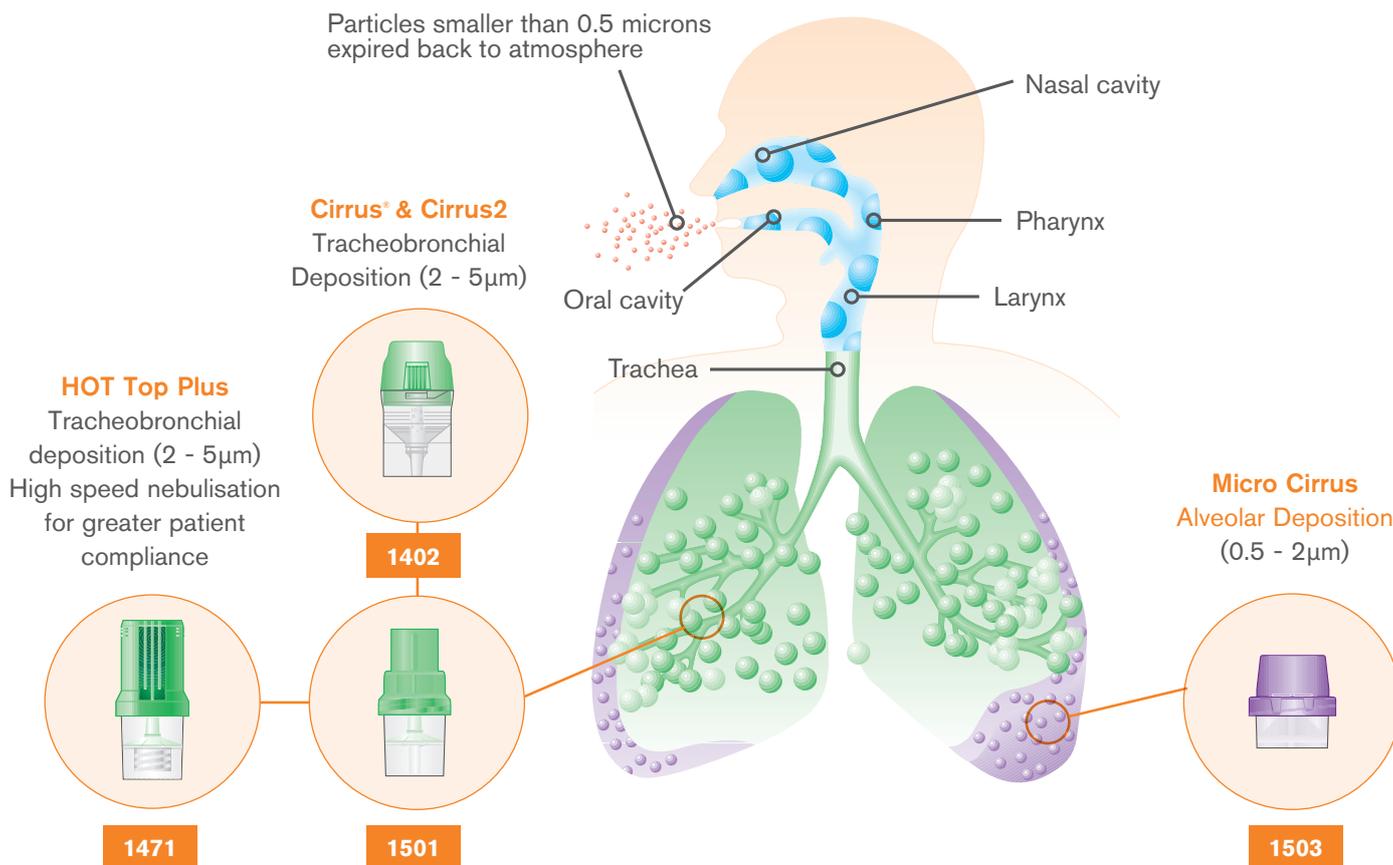
Code	1174	1174003	1175	1173	1180	1170	1178	1476
Box qty.	125	100	30	60	1	1	125	75
Length	1.8m	2.1m	4.0m	1.8m	50m	50m	1.8m	1.8m
Wide connector				✓				
Thick wall tubing					5mm ID and 8mm OD			
Bubble tube						4mm - 8mm ID		
Sure Loc®							✓	✓
Flow meter adaptor								✓

## Tube connectors



Code	1968	1568
Box qty.	50	100
Oxygen connector	22M	22F
6mm stem	✓	✓

## Choosing a nebuliser



### Tracheobronchial deposition



#### HOT Top Plus Nebuliser

HOT Top Plus is designed for **high speed** nebulisation. It can halve the

treatment time compared with conventional nebulisers.

At a driving gas flow of 8L/min, 87% of the volume output will be particles of less than 5 microns in diameter with an MMD of 3.25 microns.



#### Cirrus2 Nebuliser

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

At a driving gas flow of 8 L/min, 77% of the volume output will be particles less than 5 microns in diameter with a mass median diameter (MMD) of 2.7 microns.



#### Cirrus Nebuliser

The Cirrus Nebuliser operates at a driving gas flow of 8L/min, 74% of the volume output will be particles less than

5 microns in diameter with an MMD of 2.75 microns.

### Alveolar deposition



#### Micro Cirrus Nebuliser

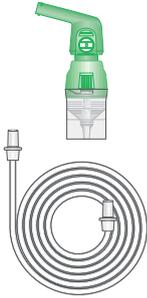
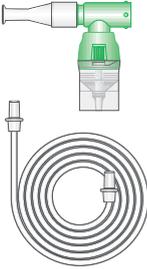
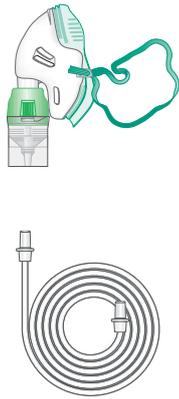
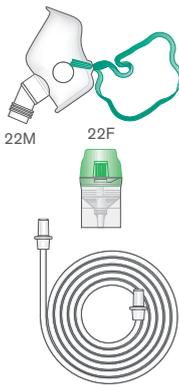
The Micro Cirrus has been specifically designed to create a small particle aerosol with an MMD of 1.2microns.

At a driving gas flow of 8L/min 90% of the particles will be less than 2microns in diameter.

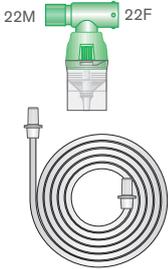
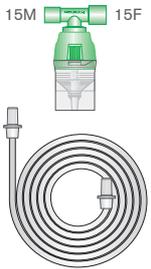
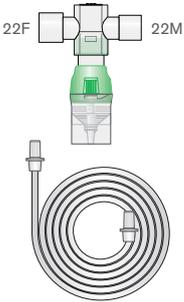
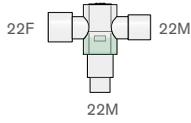
**NOTE:** These results are obtained without the use of one-way valves which in alternative systems remove larger particles by impaction. Systems which use valves in this way tend to have a significantly lower total drug delivery due to the high level of rain-out. These performance figures are typical but can vary depending on the drug being nebulised and the composition of the driving gas.

## Tracheobronchial deposition nebulisers

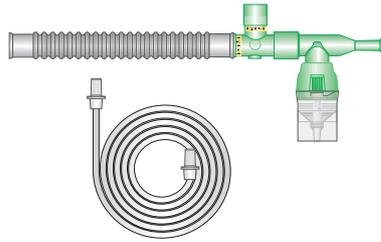
### Cirrus<sup>®</sup>2 Nebuliser and nebuliser mask kits

						
<b>Code</b>	1402	1455	1464	1453	1444	1454
<b>Box qty.</b>	75	35	40	30	40	40
<b>Universal mouthpiece kit</b>			✓			
<b>One-piece mouthpiece kit</b>		✓				
<b>Adult kit</b>				✓		
<b>Paediatric kit</b>					✓	✓
<b>Tube length</b>		1.8m	1.8m	2.1m	2.1m	1.8m
<b>Nose clip</b>						✓
<b>T-kit</b>			✓			
				✓		

### Cirrus<sup>®</sup>2 Breathing system T-piece kits

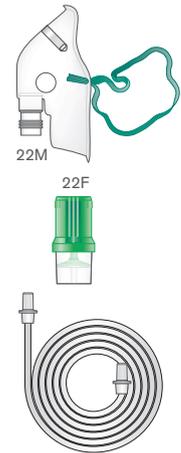
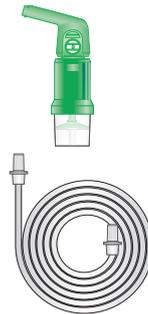
					
<b>Code</b>	2605	2606	2608	2609	1814
<b>Box qty.</b>	40	35	45	35	40
<b>Size</b>	22mm	15mm	10mm	22mm	22mm
<b>Self sealing T-piece</b>				✓	✓
<b>Tube length</b>	1.8m	1.8m	1.8m	1.8m	
<b>T-kit</b>	✓	✓	✓		

### Anti pollution control kit



<b>Code</b>	<b>1958</b>
Box qty.	20
Flextube	✓
Tube length	1.8m
Nebuliser	Cirrus2

### HOT Top Plus Nebuliser kits with standard base



<b>Code</b>	<b>1472</b>	<b>1478</b>	<b>1477</b>	<b>1463</b>
Box qty.	65	45	75	35
Mouthpiece kit		✓		
Adult kit				✓
Standard base	✓	✓		✓
Tube length		1.8m		1.8m

## HOT Top Plus Nebuliser kits with Sure Loc® base

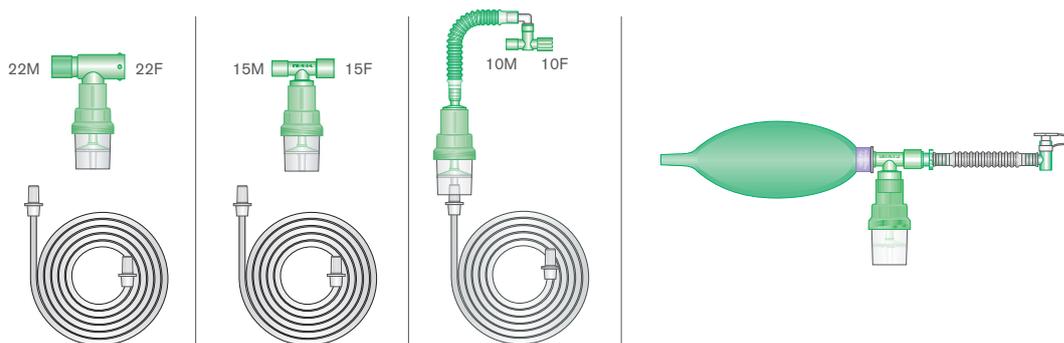
For a secure fit

<b>Code</b>	1471	1475	1477	1473	1474
<b>Box qty.</b>	65	45	75	35	40
<b>Mouthpiece kit</b>		✓			
<b>Adult kit</b>				✓	
<b>Paediatric kit</b>					✓
<b>Mouthpiece</b>			✓		
<b>Sure Loc® base</b>	✓	✓		✓	✓
<b>Tube length</b>		1.8m		2.1m	1.8m

## Cirrus® Nebuliser mouthpiece and mask kits

<b>Code</b>	1501	1485	1495	1493	1483	1494	1484
<b>Box qty.</b>	75	40	35	35	35	40	40
<b>Mouthpiece kit</b>			✓				
<b>Adult kit</b>				✓	✓		
<b>Paediatric kit</b>						✓	✓
<b>Nose clip</b>					✓		✓
<b>Tube length</b>		1.8m	2.1m	2.1m	1.8m	2.1m	1.8m
<b>T-Kit</b>		✓					

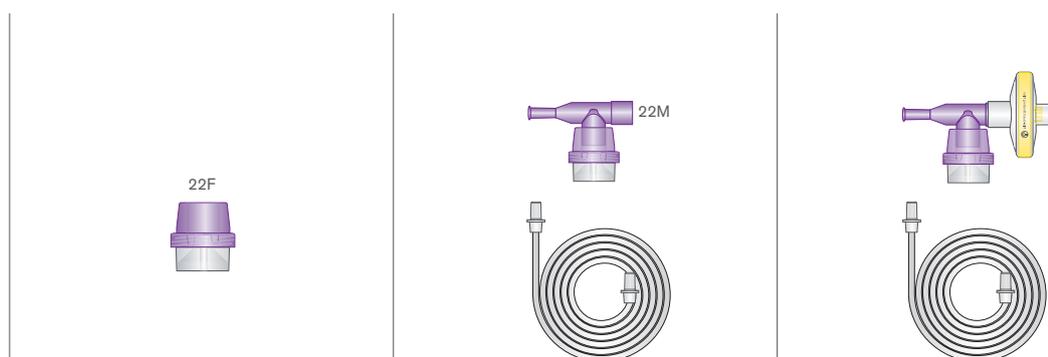
## Cirrus® Breathing system T-piece kits



Code	2505	2506	2508	2507
Box qty.	20	25	20	20
Size	22mm	15mm	10mm	10mm
Tube length	1.8m	1.8m	1.8m	

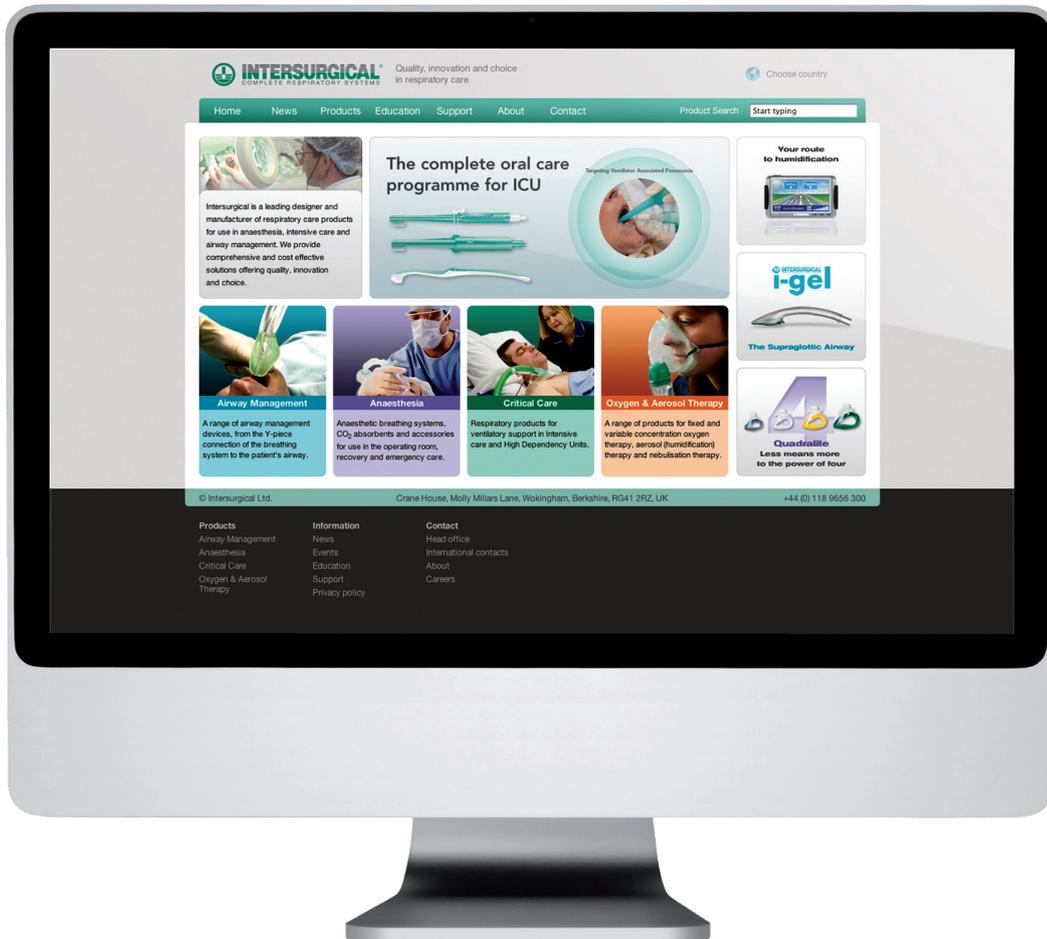
## Alveolar deposition

### Micro CirrusNebuliser and nebuliser kits



Code	1503	1418	1417
Box qty.	50	25	15
Mouthpiece		✓	✓
Tube length		1.8m	1.8m
Anti pollution kit			✓
Filter			✓

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