

Airway management

A full range of airway management devices from the Y-piece connection of the breathing system to the patient's airway.

- i-gel single use supraglottic airway
- Solus™ laryngeal mask airway
- Flexible wire-reinforced airway tube
- Guedel airways and laryngoscope blades
- Patient connections
- Breathing filters, HMEFs and HMEs



Quality, innovation and choice

i-gel single use supraglottic airway

i-gel natural airway management



The i-gel is a truly unique airway device and represents the culmination of years of extensive research and development. Everything about the i-gel has been designed to work in perfect unison with the anatomy; the i-gel design was inspired by the physiology of the perilyngeal framework itself - airway management as nature might have intended. The shape, softness and contours accurately mirror the perilyngeal anatomy to create the perfect fit. This innovative concept means that no cuff inflation is required. The i-gel works in harmony with the patient's anatomy so that compression and displacement trauma are significantly reduced or eliminated.

The non-inflatable cuff

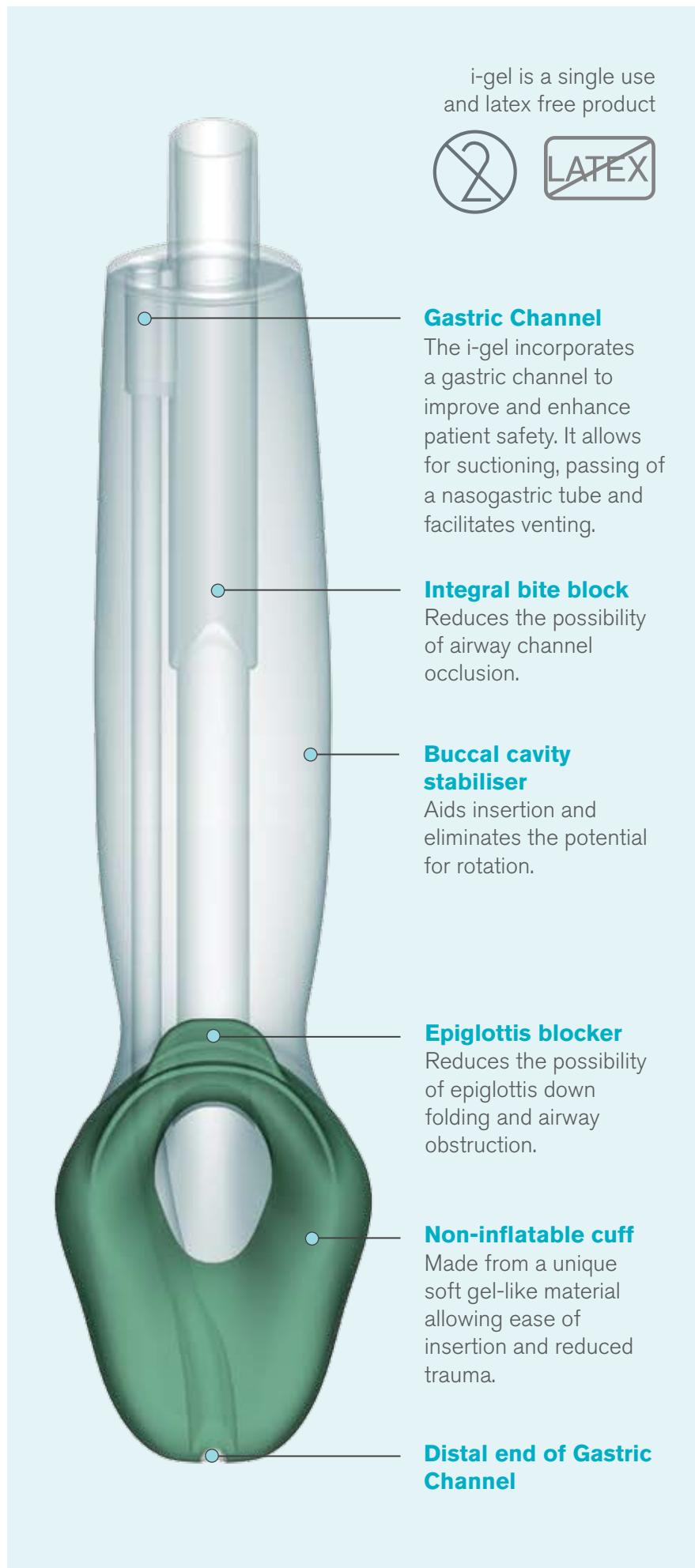
i-gel gets its name from the soft gel-like material from which it is made. It is the innovative application of this material that has enabled the development of a unique non-inflatable cuff. This key feature means insertion of i-gel is easy, rapid and consistently reliable.

Using i-gel; the simple, safe and rapid solution

i-gel is incredibly easy to use. A proficient user can achieve insertion of the i-gel in less than 5 seconds. With no inflatable cuff, i-gel provides a safe and rapid airway management solution.

Innovative packaging

The i-gel supraglottic airway is supplied in an innovative colour-coded polypropylene 'cage pack'. This unique packaging protects the i-gel in transit and ensures that it maintains its unique anatomical shape. The cage packs are colour-coded for quick and easy size identification. i-gel is available in three sizes as detailed overleaf.



i-gel is a single use and latex free product



Gastric Channel

The i-gel incorporates a gastric channel to improve and enhance patient safety. It allows for suctioning, passing of a nasogastric tube and facilitates venting.

Integral bite block

Reduces the possibility of airway channel occlusion.

Buccal cavity stabiliser

Aids insertion and eliminates the potential for rotation.

Epiglottis blocker

Reduces the possibility of epiglottis down folding and airway obstruction.

Non-inflatable cuff

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

Distal end of Gastric Channel

i-gel single use supraglottic airway

Features and benefits

15mm connector

Reliable connection to any standard catheter mount or connection.

Proximal end of Gastric Channel

Clearly displayed product information

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

Position guide

Easy confirmation of optimum insertion depth.



i-gel supraglottic airway

NEW



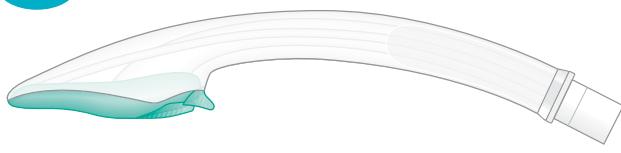
8203

Size 3 i-gel supraglottic airway for small adults 30-60kg

25



NEW



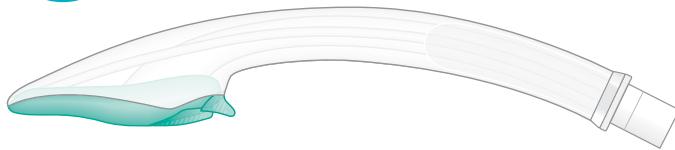
8204

Size 4 i-gel supraglottic airway for medium adults 50-90kg

25



NEW



8205

Size 5 i-gel supraglottic airway for large adults 90+kg

20



References

R. M. Levitan and W. C. Kinkle. Initial anatomic investigations of the i-gel airway: a novel supraglottic airway without inflatable cuff. Anaesthesia 2005 Oct;60(10):1022–6.

Solus™ standard laryngeal mask airways



Due to growing concerns about the risk of cross infection, Intersurgical provide a quality, single use laryngeal mask airway; the Solus. This is ideal for use both in anaesthesia and emergency medicine.

Standard laryngeal mask airways

			8005
8005	Standard laryngeal mask Patient size: >70kg	size 5 Maximum inflation value: <40ml	20
8004	Standard laryngeal mask Patient size: 50-70kg	size 4 Maximum inflation value: <30ml	20
8003	Standard laryngeal mask Patient size: 30-50kg	size 3 Maximum inflation value: <20ml	20
8025	Standard laryngeal mask Patient size: 20-30kg	size 2½ Maximum inflation value: <14ml	20
8002	Standard laryngeal mask Patient size: 10-20kg	size 2 Maximum inflation value: <10ml	20
8015	Standard laryngeal mask Patient size: 5-10kg	size 1½ Maximum inflation value: <7ml	20
8001	Standard laryngeal mask Patient size: <5kg	size 1 Maximum inflation value: <4ml	20

Solus™ MRI compatible laryngeal mask airways

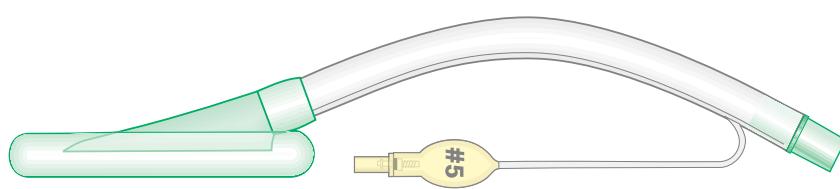


The MRI compatible Solus options are fitted with specially tested non-ferrous valves guaranteed not to interfere with the magnet in an MRI unit. The valves have been tested for performance following lengthy periods of time with the valve plunger in situ.

The packaging is clearly marked 'MRI compatible' and the pilot balloon and valve plunger are yellow for ease of identification. Yellow is the traditional colour indicator of a non-ferrous laryngeal mask airway.

Solus™ MRI compatible laryngeal mask airways

MRI compatible laryngeal mask airways



8005002

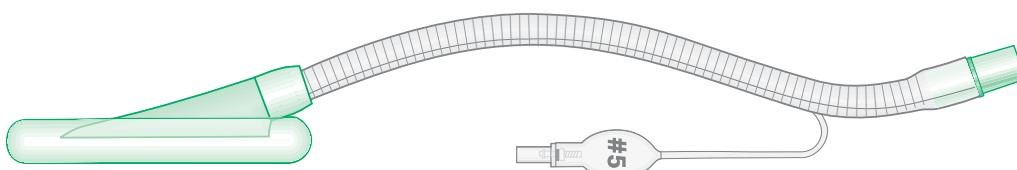
8005002	MRI compatible laryngeal mask Patient size: >70kg	size 5 Maximum inflation value: <40ml	20	
8004002	MRI compatible laryngeal mask Patient size: 50-70kg	size 4 Maximum inflation value: <30ml	20	
8003002	MRI compatible laryngeal mask Patient size: 30-50kg	size 3 Maximum inflation value: <20ml	20	
8025002	MRI compatible laryngeal mask Patient size: 20-30kg	size 2½ Maximum inflation value: <14ml	20	
8002002	MRI compatible laryngeal mask Patient size: 10-20kg	size 2 Maximum inflation value: <10ml	20	
8015002	MRI compatible laryngeal mask Patient size: 5-10kg	size 1½ Maximum inflation value: <7ml	20	
8001002	MRI compatible laryngeal mask Patient size: <5kg	size 1 Maximum inflation value: <4ml	20	

Flexible wire-reinforced airway tube



New to the Solus range is the 'Flexible' Solus. This is an ideal solution for shared airway procedures such as ENT, dental, oro-maxillary and eye surgery where the rigidity of airway devices can obscure surgical access. The wire-reinforced tube permits flexion without kinking and can be moved at any time mid-procedure without concern for cessation of gas flow.

Flexible wire-reinforced airway tube



8005001

8005001	Flexible wire-reinforced airway tube Patient size: >70kg	size 5 Maximum inflation value: <40ml		20	
8004001	Flexible wire-reinforced airway tube Patient size: 50-70kg	size 4 Maximum inflation value: <30ml		20	
8003001	Flexible wire-reinforced airway tube Patient size: 30-50kg	size 3 Maximum inflation value: <20ml		20	
8025001	Flexible wire-reinforced airway tube Patient size: 20-30kg	size 2½ Maximum inflation value: <14ml		20	

Guedel airways

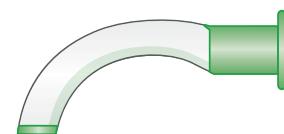
One-piece guedel airways with colour coded integral bite block

NEW

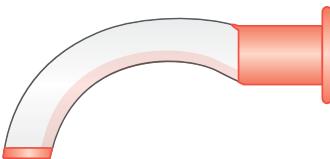
Safer by design



1110050



1112080



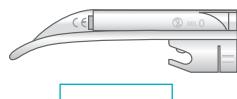
1114100

1115120	Guedel airway		size 5 (12.0)	70
1114100	Guedel airway		size 4 (10.0)	80
1113090	Guedel airway		size 3 (9.0)	80
1112080	Guedel airway		size 2 (8.0)	100
1111065	Guedel airway		size 1 (6.5)	20
1111570	Guedel airway		size 1.5 (7.0)	100
1110055	Guedel airway		size 0 (5.5)	25
1110050	Guedel airway		size 00 (5.0)	25
1000035	Guedel airway		size 000 (3.5)	25

Laryngoscope blades

Miller and Macintosh plastic single use laryngoscope blades - compatible with ISO7376-3 green specification handles

Miller style blades



7040



7041

Macintosh style blades



7043

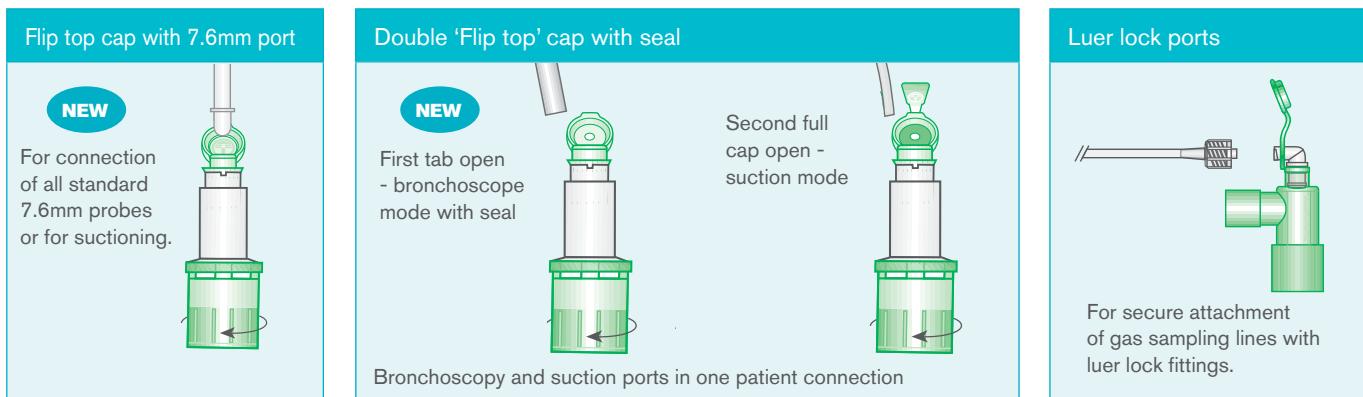


7044

7044	Macintosh	size 4	40	
7043	Macintosh	size 3	40	
7042	Macintosh	size 2	50	
7041	Miller	size 1	70	
7040	Miller	size 0	70	

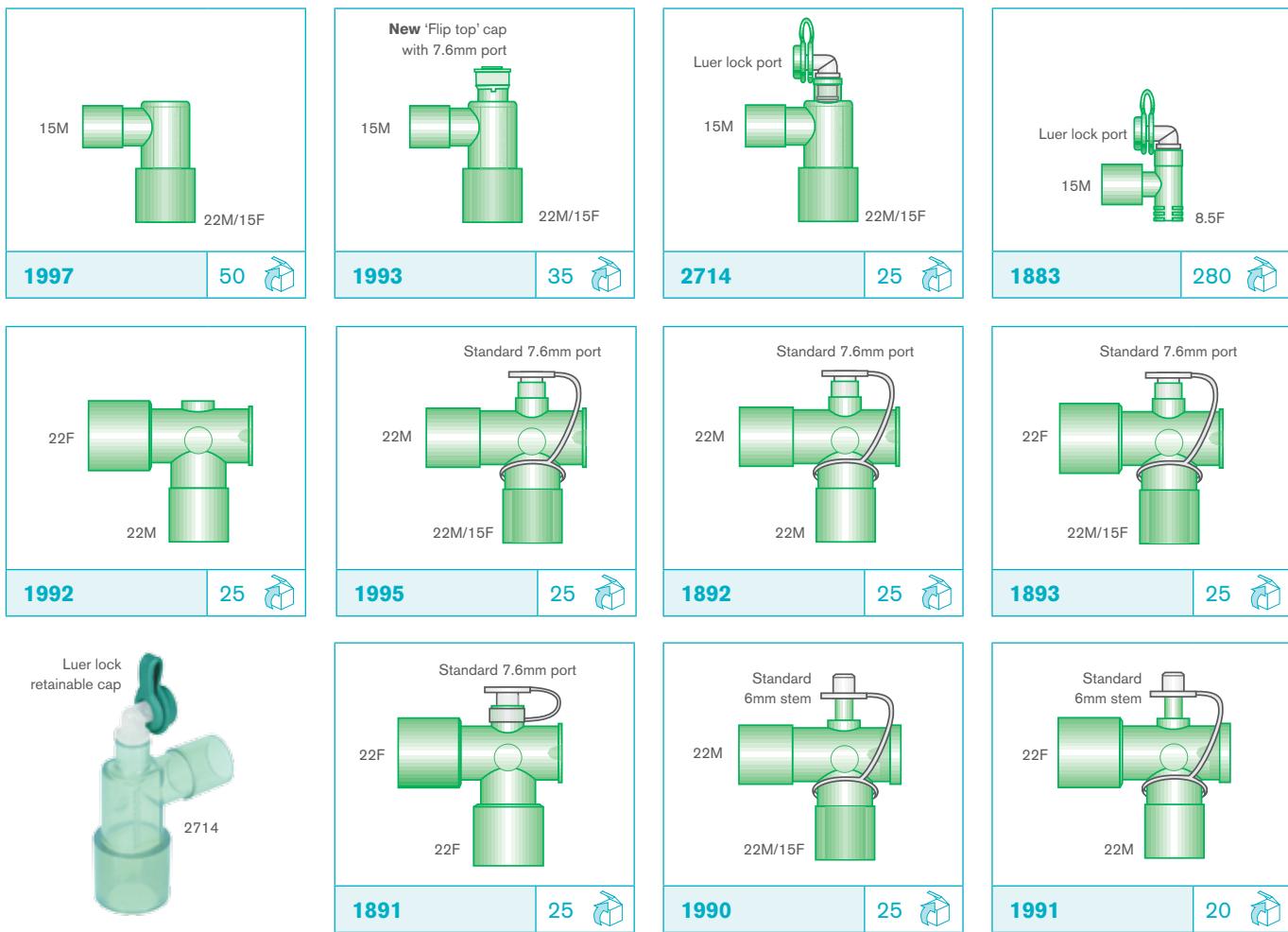
Patient connections

All options are available with a variety of elbow connections and ports. All Intersurgical port caps are retainable for safety; they are fixed to the port connectors to ensure that they cannot be misplaced in use.

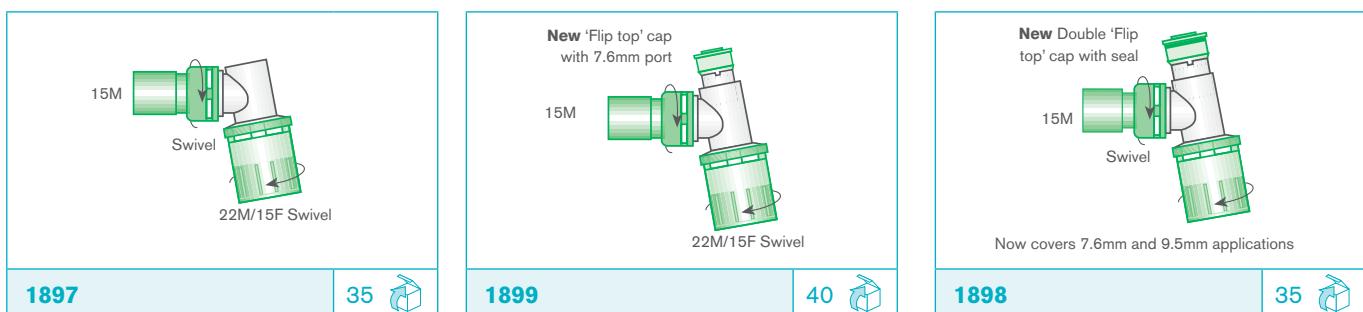


Fixed and double swivel elbows

Fixed elbows for direct patient connection

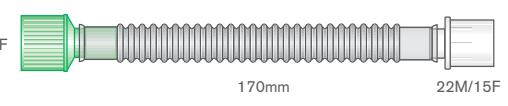
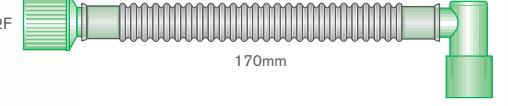
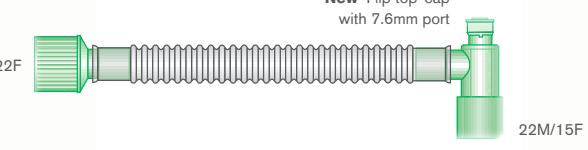
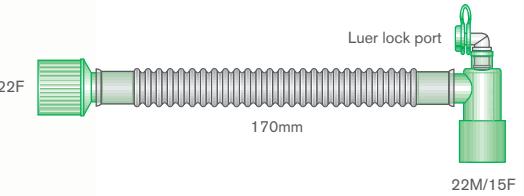
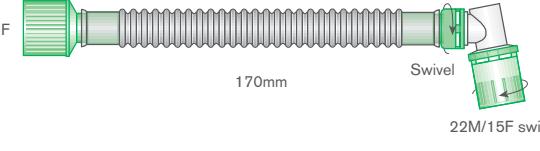
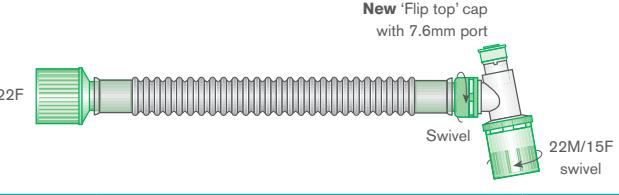
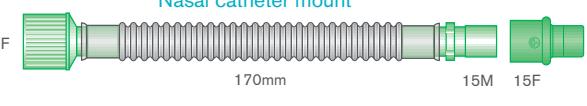
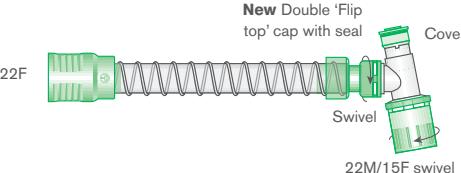


Double swivel elbows for extra mobility



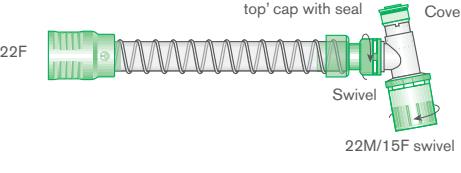
Catheter mounts - Flexible tube

Flexible catheter mounts

	22F 170mm 22M/15F	3511 Flextube® with 22M/15F connector	50	
	22F 170mm 22M/15F	3501 Flextube® with fixed elbow	50	
	22F New 'Flip top' cap with 7.6mm port 22M/15F	3508 Flextube® with fixed elbow and flip top cap	50	
	22F 170mm 22M/15F	3515 Flextube® with fixed elbow and luer lock port	40	
	22F 170mm Swivel 22M/15F swivel	3506 Flextube® with swivel elbow	50	
	22F Swivel 22M/15F swivel New 'Flip top' cap with 7.6mm port	3516 Flextube® with swivel elbow and flip top cap	50	
	22F Covers 7.6mm and 9.5mm applications Swivel 22M/15F swivel New Double 'Flip top' cap with seal	3505 Flextube® with swivel elbow and double flip top cap	50	
	22F 170mm 15M 15F	3517 Flextube® catheter mount	50	
	22F New Double 'Flip top' cap with seal Covers 7.6mm and 9.5mm applications Swivel 22M/15F swivel	5120		
5120	Smoothbore with swivel elbow with double flip top cap, 120mm		50	
5180	Smoothbore with swivel elbow with double flip top cap, 180mm		50	
5250	Smoothbore with swivel elbow with double flip top cap, 250mm		50	

Catheter mounts - Smoothbore tube

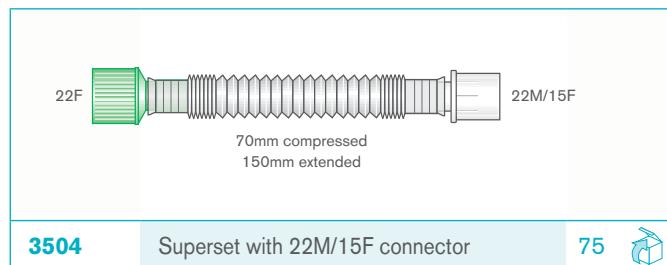
Smoothbore tubing gives improved ventilatory support with its improved flow characteristics, lower tubing compliance and clear crush-resistant tubing.

	22F New Double 'Flip top' cap with seal Covers 7.6mm and 9.5mm applications Swivel 22M/15F swivel	5120		
5120	Smoothbore with swivel elbow with double flip top cap, 120mm		50	
5180	Smoothbore with swivel elbow with double flip top cap, 180mm		50	
5250	Smoothbore with swivel elbow with double flip top cap, 250mm		50	

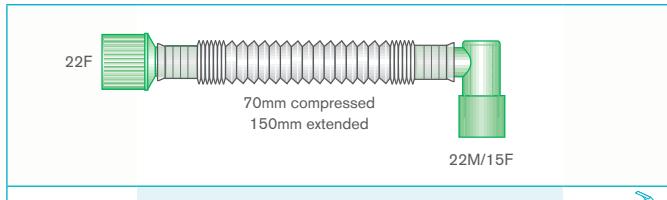
Catheter mounts - Superset tube

Superset catheter mounts

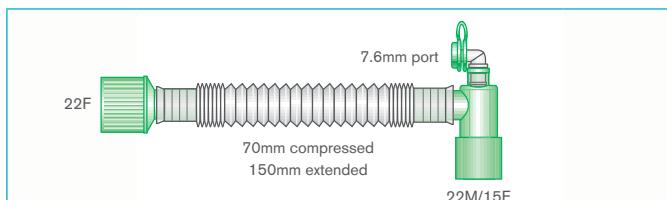
The Superset range of catheter mounts have a unique 'concertina' design allowing the mount to be set in any position required. The design allows the adjustment of deadspace from 20ml to 40ml (code 3504: 15-36ml) and the adjustment of length from 70mm to 150mm, excluding connectors for total positioning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



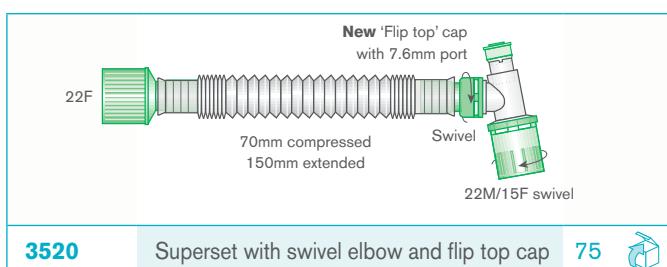
3504 Superset with 22M/15F connector **75**



3502 Superset with fixed elbow **75**



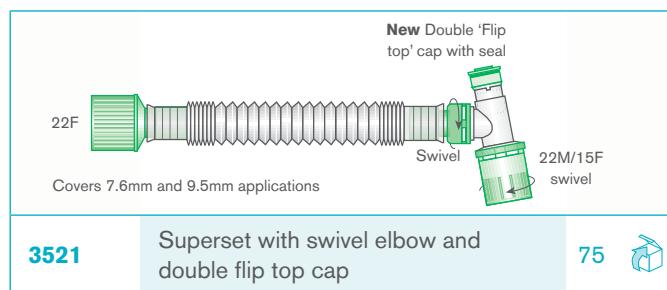
3514 Superset with fixed elbow + luer lock port **75**



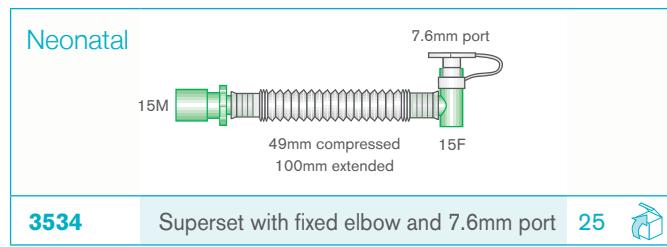
3520 Superset with swivel elbow and flip top cap **75**



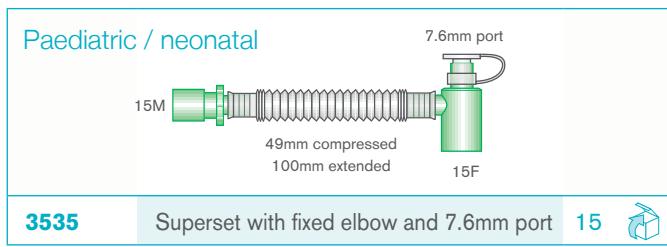
3521 **75**



3521 Superset with swivel elbow and double flip top cap **75**



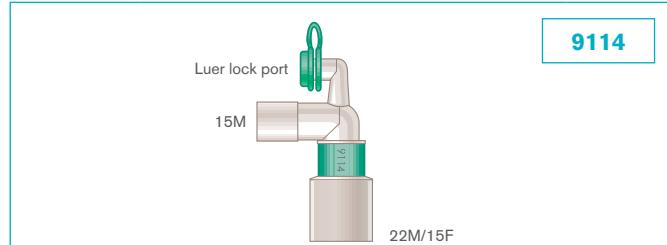
3534 Superset with fixed elbow and 7.6mm port **25**



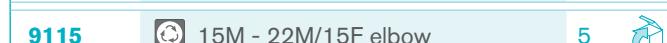
3535 Superset with fixed elbow and 7.6mm port **15**

Reprocessable clear patient connections

Reprocessable fixed elbows



9114 15M - 22M/15F elbow with port **5**



9115 15M - 22M/15F elbow **5**



9120 22M/15F - 22F flexible catheter **5**

Breathing filters, HMEFs and HMEs

A full range of breathing filters, heat and moisture exchanging filters and heat and moisture exchangers for protection and humidification

Quality, innovation and choice

Breathing filters



The Intersurgical range of breathing filters and HMEFs 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 virus. Routine testing is carried out on all products using *Bacillus subtilis* ($1.0\mu\text{m} \times 0.7\mu\text{m}$) and $\varnothing 174$ bacteriophage, ($0.027\mu\text{m}$). Additional testing includes *Mycobacterium tuberculosis* ($0.3\mu\text{m} \times 1.0\mu\text{m}$), *Hepatitis C Virus* ($0.02\mu\text{m}$), *Pseudomonas diminuta* ($0.5\mu\text{m}$) and *MS-2 coliphage* ($0.02\mu\text{m}$). The 'family' of filters, HMEFs and HMEs offer a full range to suit all requirements.

Filta-Guard® - a highly efficient breathing filter designed for use in the intensive care unit and anaesthesia

Filta-Guard Bacterial and Viral Filtration efficiency	Resistance to flow filter only		Compressible volume filter only		Weight filter only		Minimum tidal volume filter only
	30L/min	60L/min	Without port	With port	Without port	With port	
>99.999%	1.1cm H ₂ O	2.1cm H ₂ O	67ml	68ml	40g	41g	200ml

1944	70	1944003	70
 22F 22M/15F			 22F 22M/15F Luer lock port
Filta-Guard		Filta-Guard + luer lock port	



Clear-Guard® - a mid range breathing filter designed for use in anaesthesia and intensive care with a variety of patient connections.

Clear-Guard Bacterial and Viral Filtration efficiency	Resistance to flow filter only		Compressible volume filter only		Weight filter only		Minimum tidal volume filter only
	30L/min port	60L/min	Without port	With port	Without port	With port	
>99.99%	0.9cm H ₂ O	2.2cm H ₂ O	50ml	62ml	27g	31g	200ml

1844	35	1844003	35	1844197	50	1844351	40
 22F/15M 22M/15F		 22F/15M 22M/15F		 22F/15M 22M/15F Luer lock port			 22F/15M 22M/15F Luer lock port Flexible catheter mount
Clear-Guard II		Clear-Guard II + luer lock port		Clear-Guard II + luer lock port and elbow		Clear-Guard II + luer lock port and flexible catheter mount with elbow	

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

Clear-Guard® 3 - a cost effective option with rounded ergonomic housing for anaesthesia and intensive care

Clear-Guard 3 Bacterial and Viral Filtration efficiency	Resistance to flow filter only		Compressible volume filter only		Weight filter only		Minimum tidal volume filter only
	30L/min port	60L/min	Without port	With port	Without port	With port	
>99.99%	0.9cm H ₂ O	2.2cm H ₂ O	59ml	60ml	27g	28g	200ml

1544007	150	1544	150	1544011			75
22F/15M	22M/15F	22F/15M	22M/15F	22F/15M	Superset catheter mount	22M/15F	
Luer lock port		Luer lock port		Luer lock port			
Clear-Guard 3 filter	Clear-Guard 3 filter + luer lock port	Clear-Guard 3 filter + luer lock port and Superset catheter mount					

1544012	75	1544351	70
Luer lock port	22M/15F	Luer lock port	22M/15F
Clear-Guard 3 filter + luer lock port and Superset catheter mount with elbow	Clear-Guard 3 filter + luer lock port and Flexible catheter mount with elbow		

Clear-Guard® 3 angled filter - offers an easy to use option with an integral 90° elbow; reducing the need for an additional catheter mount or separate patient elbow

Angled filter Bacterial and Viral Filtration efficiency	Resistance to flow filter only		Compressible volume filter only	Weight filter only	Minimum tidal volume filter only
	30L/min port	60L/min			
>99.99%	0.9cm H ₂ O	2.6cm H ₂ O	75ml	34g	200ml

1545	75
Luer lock port	
Clear-Guard 3 angled filter + luer lock port	



Breathing filters

Clear-Guard® Midi low volume - ensures deadspace is kept to a minimum and is ideal for use in anaesthesia

Clear-Guard Midi Bacterial and Viral Filtration efficiency	Resistance to flow filter only		Compressible volume filter only	Weight filter only	Minimum tidal volume filter only
	30L/min port	60L/min			
>99.9%	0.8cm H ₂ O	1.7cm H ₂ O	34ml	19g	100ml

1644	100	1644131	50	1644011	75
22F Luer lock port	22M/15F	22F Luer lock port		22F Luer lock port Superset catheter mount 22M/15F	
Clear-Guard Midi + luer lock port		Clear-Guard Midi + luer lock port and mouthpiece		Clear-Guard Midi + luer lock port and Superset catheter mount	

1644012	75
22F Luer lock port Superset catheter mount 22M/15F	
Clear-Guard Midi + luer lock port and Superset catheter mount with elbow	

Inter-Guard filter - for use in breathing systems in anaesthesia and intensive care units, provided **sterile**

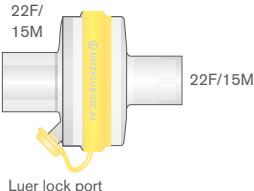
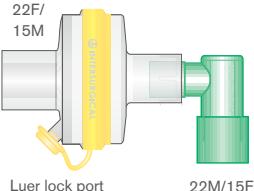
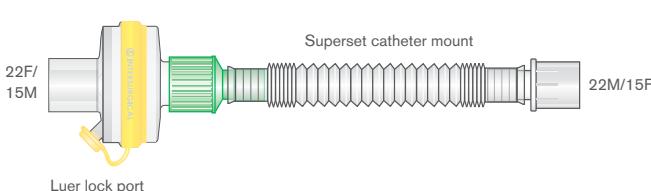
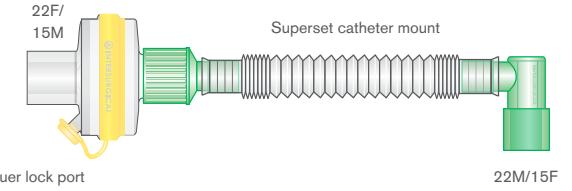
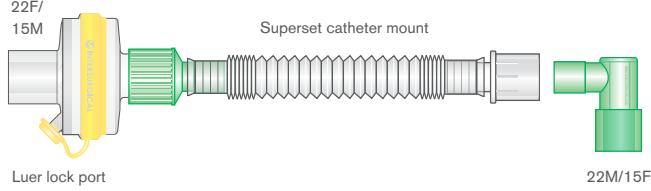
Inter-Guard filter Bacterial and Viral Filtration efficiency	Resistance to flow filter only		Compressible volume filter only		Weight filter only	Minimum tidal volume filter only	
	30L/min port	60L/min	Without port	With port	Without port	With port	
>99.999%	0.9cm H ₂ O	2.0cm H ₂ O	41ml	42ml	22g	23g	150ml

1344007S	125	1344000S	125	1344711S	50
22F/15M 22M/15F		22F/15M Luer lock port 22M/15F		22F/15M Superset catheter mount 22M/15F	
Inter-Guard filter		Inter-Guard filter with luer lock		Inter-Guard filter with Superset catheter mount (12 hours use at patient connection)	

Hydrophobic pleated membrane filters

Hydro-Guard® Mini - A versatile low volume pleated membrane breathing filter for use in anaesthesia as an HMEF, moisture return 23mg H₂O/L at: VT 500ml, or in ITU as a filter only

Hydro-Guard Mini Bacterial and Viral Filtration efficiency	Resistance to flow filter only		Compressible volume filter only	Weight filter only	Minimum tidal volume filter only
	30L/min	60L/min			
>99.999%	1.3cm H ₂ O	2.7cm H ₂ O	63ml	30g	200ml

1745	40 	1745197	50 	1745011	75 
 22F/15M Luer lock port	22F/15M	 22F/15M Luer lock port	22M/15F	 22F/15M Luer lock port	Superset catheter mount 22M/15F
Hydro-Guard Mini + luer lock port	Hydro-Guard Mini + luer lock port and elbow		Hydro-Guard Mini + luer lock port and Superset catheter mount		
1745012	75 	1745711	75 		
 22F/15M Luer lock port	Superset catheter mount 22M/15F	 22F/15M Luer lock port	Superset catheter mount 22M/15F	Hydro-Guard Mini + luer lock port and Superset catheter mount with elbow	Hydro-Guard Mini + luer lock port and Superset catheter mount with detachable elbow

Air-Guard Clear filter

Air-Guard Clear Bacterial and Viral Filtration efficiency	Resistance to flow filter only		Compressible volume filter only	Weight filter only
	30L/min	60L/min		
99.9999%	0.7cm H ₂ O	1.7cm H ₂ O	120ml	56g

1790	50 
 22F 22M/15F	
Air-Guard Clear filter	

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

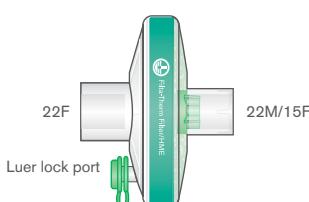


Please note: This product is contraindicated for use at the patient connection of the breathing system.

Heat and moisture exchanging filters - HMEFs for both protection and humidification

Filta-Therm® Plus - the optimum solution for intensive care with improved HME performance and high filtration efficiency

Filta-Therm Plus Bacterial and Viral Filtration efficiency	Moisture return at: VT500ml HMEF only	Resistance to flow HMEF only		Compressible volume HMEF only	Weight HMEF only	Minimum tidal volume HMEF only
		30L/min	60L/min			
>99.999%	31.5mg H₂O/L	1.3cm H ₂ O	3.0cm H ₂ O	66ml	44g	200ml

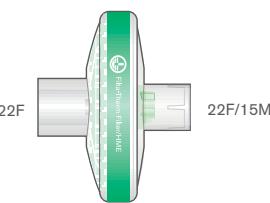
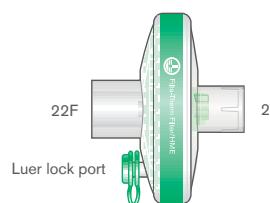
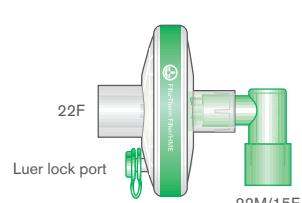
1941001	70 
	22M/15F
Luer lock port	

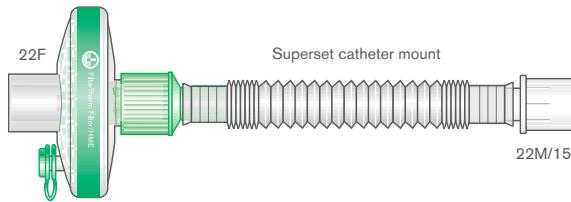
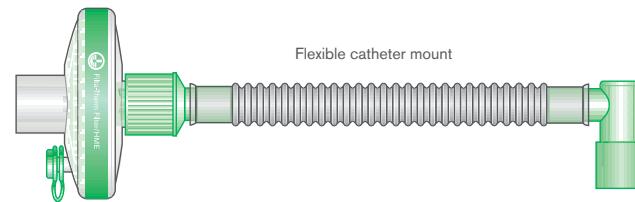


Filta-Therm Plus

Filta-Therm® - a high efficiency heat and moisture exchanging filter with a variety of patient connections

Filta-Therm Bacterial and Viral Filtration efficiency	Moisture return at: VT500ml HMEF only	Resistance to flow HMEF only		Compressible volume HMEF only		Weight HMEF only		Minimum tidal volume HMEF only
		30L/min	60L/min	Without	With port	Without	With port	
>99.999%	29.1mg H ₂ O/L	1.2cm H ₂ O	3.0cm H ₂ O	66ml	67ml	42g	43g	200ml

1942	70 	1941	70 	1941197	50 
	22F/15M		22F/15M		22M/15F
Filta-Therm		Filta-Therm + luer lock port		Filta-Therm + luer lock port and elbow	

1941011	20 	1941351	20 
	Superset catheter mount		Flexible catheter mount
Luer lock port		Luer lock port	
Filta-Therm + luer lock port and Superset catheter mount		Filta-Therm + luer lock port and Flexible catheter mount with elbow	

Heat and moisture exchanging filters

Clear-Therm® - mid range filtration efficiency HMEF with a variety of patient connection

Clear-Therm Bacterial and Viral Filtration efficiency	Moisture return at: VT500ml HMEF only	Resistance to flow HMEF only		Compressible volume HMEF only	Weight HMEF only	Minimum tidal volume HMEF only
		30L/min	60L/min			
>99.99%	32mg H ₂ O/L	1.0cm H ₂ O	2.4cm H ₂ O	61ml	32g	200ml



1841



1841197



1841351

1841	35	1841197	50	1841011	20
Clear-Therm + luer lock port	Clear-Therm + luer lock port and elbow		Clear-Therm + luer lock port and Superset catheter mount		

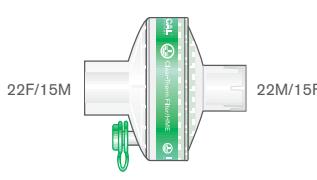
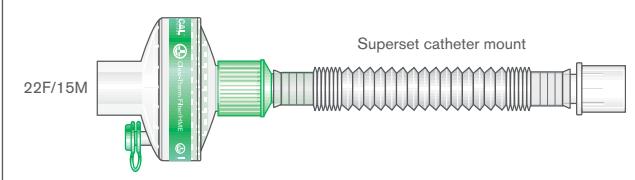
1841012	75	1841351	40
Clear-Therm + luer lock port and Superset catheter mount with elbow		Clear-Therm + luer lock port and Flexible catheter mount with elbow	

1841974	75	1841015	20
Clear-Therm + luer lock port and Flexible catheter mount with detachable elbow		Clear-Therm + luer lock port and Flexible catheter mount with double swivel elbow and double 'flip top' cap	

Heat and moisture exchanging filters

Clear-Therm® Plus - HMEF for use in anaesthesia and intensive care with HME on the patient side

Clear-Therm Plus Bacterial and Viral Filtration efficiency	Moisture return at: VT500ml HMEF only	Resistance to flow HMEF only		Compressible volume HMEF only	Weight HMEF only	Minimum tidal volume HMEF only
>99.99%	32mg H ₂ O/L	30L/min	60L/min	61ml	32g	200ml

1841001	35 	1841111	20 
			
Clear-Therm Plus + luer lock port		Clear-Therm Plus + luer lock port and Superset catheter mount	

Clear-Therm® Mini and Micro - HMEFs for paediatrics and neonates

Bacterial and Viral Filtration efficiency	Moisture return at: HMEF only	Resistance to flow HMEF only	Compressible volume HMEF only	Weight HMEF only	Minimum tidal volume HMEF only
Clear-Therm Mini	(at: VT250ml) 99.99%	32mg H ₂ O/L (at: 30L/min) 1.6cm H ₂ O	28ml	22g	75ml
Clear-Therm Micro	99.99%	(at: VT25ml) 27mg H ₂ O/L (at: 11L/min) 1.0cm H ₂ O	11ml	12g	75ml



Clear-Therm Mini



Clear-Therm Micro

1831	40 	1831197	40 	1441	20 
Clear-Therm Mini paediatric HMEF + luer lock port		Clear-Therm Mini paediatric HMEF + luer lock port with elbow		Clear-Therm Micro neonatal HMEF + luer lock port	

Heat and moisture exchanging filters

Clear-Therm® Midi low volume - a low volume option for minimising dead space in anaesthesia

Clear-Therm Midi Bacterial and Viral Filtration efficiency	Moisture return at: VT500ml HMEF only	Resistance to flow HMEF only		Compressible volume HMEF only	Weight HMEF only	Minimum tidal volume HMEF only
		30L/min	60L/min			
>99.9%	23mg H ₂ O/L	1.0cm H ₂ O	2.2cm H ₂ O	34ml	19g	100ml
1641	100	1641197	50	1641012	75	
22F Luer lock port 22M/15F		22F Luer lock port 22M/15F		22F Luer lock port Superset catheter mount 22M/15F		
Clear-Therm Midi + luer lock port		Clear-Therm Midi + luer lock port and elbow		Clear-Therm Midi + luer lock port and Superset catheter mount with fixed elbow		

Clear-Therm® 3 - a cost effective option with rounded ergonomic housing for anaesthesia and intensive care

Clear-Therm 3 Bacterial and Viral Filtration efficiency	Moisture return at: VT500ml HMEF only	Resistance to flow HMEF only		Compressible volume HMEF only	Weight HMEF only	Minimum tidal volume HMEF only
		30L/min	60L/min			
>99.99%	30.6mg H ₂ O/L	1.0cm H ₂ O	2.6cm H ₂ O	60ml	30g	200ml
1541	150	1541197	50	1541011	75	
22F/15M Luer lock port 22M/15F		22F/15M Luer lock port 22M/15F		22F/15M Luer lock port Superset catheter mount 22M/15F		
Clear-Therm 3 + luer lock port		Clear-Therm 3 + luer lock port and elbow		Clear-Therm 3 + luer lock port and Superset catheter mount		
1541012	75		1541351	70		
22F/15M Luer lock port Superset catheter mount 22M/15F			22F/15M Luer lock port Flexible catheter mount 22M/15F			
Clear-Therm 3 + luer lock port and Superset catheter mount with elbow			Clear-Therm 3 + luer lock port and Flexible catheter mount with elbow			

1541974	40
22F/15M Luer lock port Superset catheter mount 22M/15F	
Clear-Therm 3 + luer lock port and Superset catheter mount with detachable elbow	



Heat and moisture exchanging filters

Clear-Therm® angled HMEF- offers an easy to use option with an integral 90° elbow; this reduces the need for an additional catheter mount or separate patient elbow.

Clear-Therm angled Bacterial and Viral Filtration efficiency	Moisture return at: VT500ml HMEF only	Resistance to flow HMEF only		Compressible volume HMEF only	Weight HMEF only	Minimum tidal volume HMEF only
		30L/min	60L/min			
>99.99%	29.4mg H ₂ O/L	1.1cm H ₂ O	2.6cm H ₂ O	75ml	38g	200ml

1542	75 
Luer lock port 22F/15M	22M/15F
Clear-Therm angled HMEF + luer lock port	



Inter-Therm® - for use in breathing systems in anaesthesia and intensive care unit, **provided sterile**

Inter-Therm Bacterial and Viral Filtration efficiency	Moisture return at: VT500ml HMEF only	Resistance to flow HMEF only		Compressible volume HMEF only		Weight HMEF only	Minimum tidal volume HMEF only	
		Without port	With port	Without port	With port			
>99.999%	32mg H ₂ O/L	1.6cm H ₂ O	3.0cm H ₂ O	56ml	57ml	30g	31g	150ml

13410007S	125 	1341000S	125 	1341011S	50 
22F/15M	22M/15F	22F/15M	22M/15F	Luer lock port	Superset catheter mount 22F/15M 22M/15F
Inter-Therm HMEF		Inter-Therm HMEF + luer lock port and elbow		Inter-Therm HMEF + luer lock port and Superset catheter mount	

1341580S	50 
22F/15M	Smoothbore catheter mount 22M/15F
Inter-Therm HMEF + luer lock port and Smoothbore catheter mount with double swivel elbow and double 'flip top' cap	



Heat and moisture exchangers

Hydro-Therm® - HMEs designed for use in the intensive care unit and anaesthesia

Moisture return at: VT 500ml HME only	Resistance at: HME only		Compressible volume HME only		Weight HME only		Minimum tidal volume HME only
	30L/min	60L/min	Without port	With port	Without port	With port	
Hydro-Therm 30mg H ₂ O/L	0.7cm H ₂ O	1.9cm H ₂ O	15ml	16ml	11g	12g	50ml
Hydro-Therm II 33mg H ₂ O/L	0.3cm H ₂ O	1.4cm H ₂ O	N/A	60ml	N/A	33g	200ml

1850	20	1855	20	1860	35
15M 22M/15F	15M 22M/15F Luer lock port	22F/15M 22M/15F Luer lock port			
Hydro-Therm	Hydro-Therm + luer lock port	Hydro-Therm II + luer lock port			

Hydro-Therm® 3 - cost effective option with rounded housing for anaesthesia and intensive care

Moisture return at: VT 500ml HME only	Resistance at: HME only		Compressible volume HME only		Weight HME only	Minimum tidal volume HME only
	30L/min	60L/min				
31.6mg H ₂ O/L	0.2cm H ₂ O	0.8cm H ₂ O	59ml		31g	50ml

1560	150	1560411	100
22F/15M 22M/15F Luer lock port	22F/15M 22M/15F Luer lock port		
Hydro-Therm 3 HME + luer lock port	Hydro-Therm 3 HME + luer lock port and Superset catheter mount		

Hydro-Trach® T Mk.II - designed for use on tracheostomised patients

Moisture return at: VT 500ml HME only	Resistance at: HME only		Compressible volume HME only		Weight HME only	Minimum tidal volume HME only
	30L/min	60L/min				
26mg H ₂ O/L	0.2cm H ₂ O	0.7cm H ₂ O	19ml		8g	N/A

1873	25	1874	40
15M	15M O2 tube not to scale		
Hydro-Trach T Mk.II	Hydro-Trach T Mk.II + O ₂ tube		

