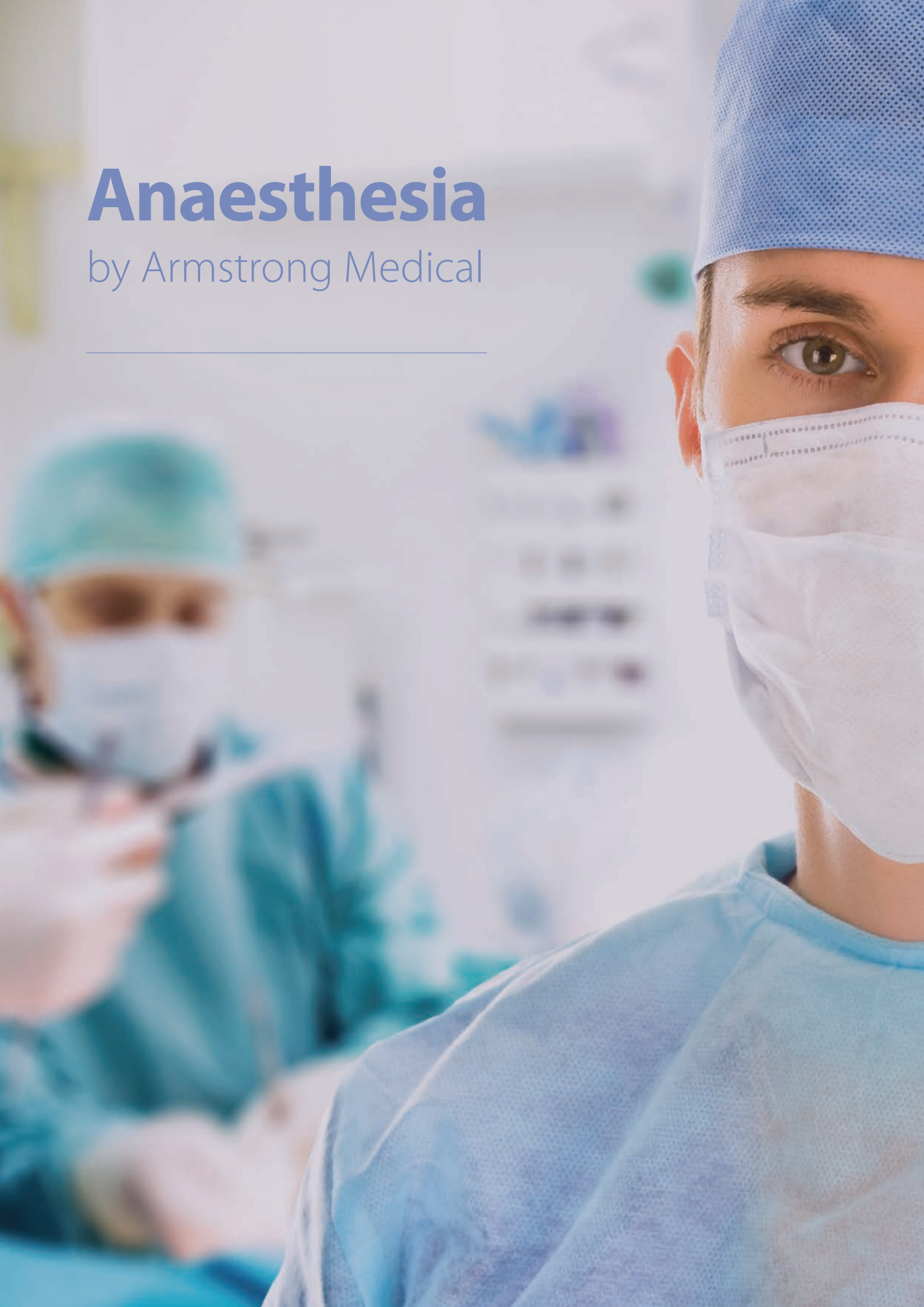
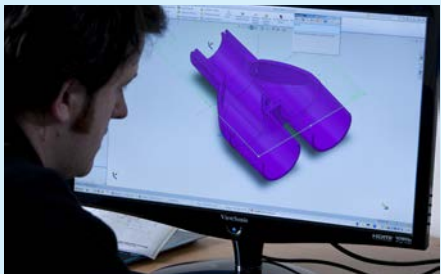


Anaesthesia

by Armstrong Medical



About Armstrong Medical



I established Armstrong Medical in 1984 to manufacture and sell respiratory disposable products for critical care applications. Since then the company has grown considerably to become a worldwide supplier of high quality, innovative respiratory disposables for anaesthesia and critical care. We now supply products to over 52 countries worldwide from our 90,000 square foot office, warehouse and manufacturing facility in Northern Ireland.

Our company aim is to continue to provide highly skilled employment in our local area while providing you, our customer, with high quality innovative products. As a result, we have invested heavily in our manufacturing and design capabilities to allow us to continue to develop our product ranges. This investment, combined with a wealth of collective experience in medical consumable manufacturing and logistics, will ensure that Armstrong Medical provides you with superior products and service for years to come.

More information on all our products can be found by visiting our website: www.armstrongmedical.net

John Armstrong, Managing Director



Armstrong Medical has recently made significant investment in the establishment of a Precision Engineering Department. The department now has an enhanced ability to manufacture thermoplastic injection moulds. This investment in new skills and technology means we are better placed to respond quickly to clinical demands and new clinical concepts.

Dr Ciarán Magee, Technical Sales Director



Our manufacturing resources include state-of-the-art automated robotic injection moulding and tubing extrusion. All of our tubing, connectors, valves and laryngeal airways are made in-house. Together with our Precision Engineering Department I can maintain and develop mould design to ensure our products are produced at a consistently high standard.

Nigel Simpson, Plastics Project Manager

About Armstrong Medical



Our Cleanroom suite consists of class 10,000 and class 100,000 - type assembly Cleanrooms. My team of operators hand assemble circuits, valves and bespoke kits from individual components. Hand assembly allows our customers to customise their own product specifications if our standard range does not meet their exact requirements. Stringent quality control checks ensure that products leaving the Cleanroom for despatch are of the highest quality.

Peter Francis, Cleanroom Manager



Design and development are an integral part of the Armstrong Medical ethos with patient safety to the fore at all times. AMSORB® PLUS is a product which has developed as a result of this ethos; a unique CO₂ absorbent offering complete patient safety. Our AMSORB® PLUS manufacturing facility has been running since 2002 and through our continual investment in manufacturing equipment and techniques we are able to cope with the increased demand this product has attracted over the years.

Alan Harper, AMSORB® PLUS Production Manager



Our Warehousing Department prides itself on our global logistics that allow us to ship to hundreds of customers worldwide. We offer a number of different freight and despatch options to suit all customers. For those customers who need just in time supply, we can arrange stock holding agreements or call off orders to ensure continual supply.

Paul Grant, Warehouse Manager

“ Investment, combined with a wealth of collective experience in medical consumable manufacturing and logistics, will ensure that Armstrong Medical provides you with superior products and service. ”





Customisation

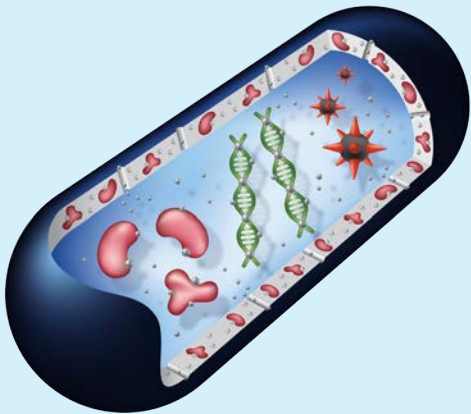
At Armstrong Medical we can develop and customise to your exact requirements creating kits which are tailor made for you. The majority of clinical procedures require the use of more than one consumable item. In most cases multiple components need to be correctly fitted together in sequence to achieve the necessary configuration to allow delivery of a specific therapy or procedure. In practice this requires an understanding of component location, availability, knowledge of which components are required and their exact configuration.

Why Customise?

Customisation offers purchasing consolidation, reduced storage requirements, reduced packaging and waste costs and increased efficiency of procedure/therapy delivery.

Reasons to customise with Armstrong Medical:

- Replace several orders to multiple suppliers with one order, reducing order processing, shipping costs and achieving improved logistical efficiency
- Reduce the amount of time searching for components; grab and go with a customised kit
- Make the most of limited storage space by packing together components frequently used for the same procedure
- Reduce wastage costs and carbon emissions. Buying Armstrong Medical customised packs reduces the amount of cardboard and plastic packaging generated by purchasing separate components
- No need to accept “best fit” customised kits. We can add to or subtract from the components in our most popular kits to ensure you get exactly what you need



BioCote®

A selection of our anaesthetic circuits (Combi-Flex®, page 19) are supplied with BioCote® an antimicrobial silver additive to limit the number of microbes on the surface of the breathing circuit, protecting it from microbial colonisation. BioCote® technology in these products uses inorganic silver ion particles dispersed homogenously throughout the polymer used to form components of the breathing circuit. BioCote® technology is based on silver, a safe, natural and sustainable antimicrobial.

BioCote® antimicrobial protection:

- Kills 80% of microbes within 15 minutes
- Kills up to 99.9% of microbes within 2 hours
- Will last the lifetime of the product
- Is effective against bacteria, fungus & some viruses
- Performs continually and consistently



www.biocote.com

Disclaimer:
This product does not protect users or others against disease causing bacteria, germs, viruses or other harmful organisms. This technology is not a substitute for good hygiene and/or cleaning practises.



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Anaesthetic Face Masks



UltraClear

UltraClear is a range of high quality anaesthetic face masks available in six sizes from neonate to large adult.

Key Features & Benefits:

- Delicately scented to minimise the smell of volatile anaesthetic agents during gaseous induction
- Facial cushion manufactured from soft material, pre-inflated to approximately 7-10mmHg, with valve for air volume adjustment
- 22mm fresh gas inlet located centrally over the patient's mouth to facilitate fibre optic intubation and airway suctioning
- Supplied with 4-hook ring for use with a head strap
- Single patient use
- Latex-free



UltraClear, Scented

Ordering Information

Code	Description	Box Qty
AMFM1225	Size 02, infant, strawberry	30
AMFM1235	Size 03, toddler, strawberry	30
AMFM1245	Size 04, child, strawberry	30
AMFM2015	Size 01, neonate, pure-scent	30
AMFM2025	Size 02, infant, pure-scent	30
AMFM2035	Size 03, toddler, pure-scent	30
AMFM2045	Size 04, child, pure-scent	30
AMFM2055	Size 05, medium adult, pure-scent	30
AMFM2065	Size 06, large adult, pure-scent	30



UltraClear, Unscented

Ordering Information

Code	Description	Box Qty
AMFM1015	Size 01, neonate, unscented	30
AMFM1025	Size 02, infant, unscented	30
AMFM1035	Size 03, toddler, unscented	30
AMFM1045	Size 04, child, unscented	30
AMFM1055	Size 05, medium adult, unscented	30
AMFM1065	Size 06, large adult, unscented	30

Anaesthetic Face Masks



VisiClear

Affordable alternative to UltraClear face masks

Key Features & Benefits:

- Semi-transparent
- Supplied with colour coded 4-hook ring for use with a head strap
- Sizing on mask
- Deep anatomical pre-inflated air cushion
- 22mm fresh gas inlet located centrally over the patient's mouth to facilitate fibre optic intubation and airway suctioning
- Single patient use
- Latex-free



Ordering Information

Code	Description	Box Qty
AMFM3015	Size 01, neonate, unscented	30
AMFM3025	Size 02, infant, unscented	30
AMFM3035	Size 03, toddler, unscented	30
AMFM3045	Size 04, child, unscented	30
AMFM3055	Size 05, medium adult, unscented	30
AMFM3065	Size 06, large adult, unscented	30

Anaesthetic Face Masks



Neonatal Round Masks

Neonatal round silicone masks are soft and flexible.

The mask is crystal clear allowing a clear view of the patient. The user can regulate the functional residual capacity (FRC) by providing a consistent PEEP throughout the resuscitation process.

Key Features & Benefits:

- Crystal clear silicone
- Latex-free

Ordering Information

Neonatal Round Masks Single Use	Neonatal Round Masks Reusable	Description	Box Qty
AMFM4005	AMFM6005	Round silicone face mask, size 0, small infant, connection 15mmM	20
AMFM4015	AMFM6015	Round silicone face mask, size 1, large infant, connection 15mmM	20
AMFM4025	AMFM6025	Round silicone face mask, size 2, small child, connection 22mmM	20



Anatomical Face Masks

Our anatomical face masks are moulded from clear soft PVC assuring a comfortable face fit.

Key Features & Benefits:

- Manufactured from clear soft PVC for single use and silicone for reusable
- 3 sizes available
- Sizing on mask
- Latex-free

Ordering Information

Anatomical Face Masks Single Use	Anatomical Face Masks Reusable with hook ring	Description	Box Qty
AMFM5035	AMFM6035	Anatomical face mask, size 3, small adult	20
AMFM5045	AMFM6045	Anatomical face mask, size 4, small adult	20
AMFM5055	AMFM6055	Anatomical face mask, size 5, large adult	20

Breathing Filters and HMEs



This extensive range of filters offers the user high quality devices for breathing systems. High levels of filtration and humidification efficiency are present throughout the range.

Key Features & Benefits:

- Bacterial viral filters with filtration efficiency of >99.9%
- HME filters with humidification efficiency up to 33mgH₂O/L
- Different filter options including ports, angles and elbows to ensure the right choice of device
- Conical fittings are in accordance with ISO standards to ensure good connection stability
- Initial set up is simple, quick and secure



Bacterial Viral Filters

Ordering Information

Code	Description	Box Qty
PHFT7010	Bacterial viral breathing filter, basic	25
PHFT7011	Bacterial viral breathing filter with CO ₂ port	25
PHFT7012	Bacterial viral breathing filter with elbow	25
PHFT7013	Bacterial viral breathing filter with port and elbow	25
PHFT7015	Bacterial viral breathing filter for gas return	25



Bacterial Viral Mini Filters

Suitable for Paediatric and Adult Patients for Tidal Volumes of 50-900mls

Ordering Information

Code	Description	Box Qty
PHFT7050	Mini Bacterial viral filter, basic	50
PHFT7051	Mini Bacterial viral filter with elbow	50
PHFT7055	Mini Bacterial viral filter with CO ₂ port	50
PHFT7056	Mini Bacterial viral filter with port and elbow	50
PHFT7061	Mini Bacterial viral filter, angled with CO ₂ port	50

Breathing Filters and HMEs



HEPA Filters (with pleated membrane)

Ordering Information		
Code	Description	Box Qty
PHFT7070	Bacterial viral HEPA filter, basic	25
PHFT7080	Bacterial viral HEPA filter with CO ₂ port	25
PHFT7084	Bacterial viral HEPA filter with elbow and CO ₂ port	25
PHFT7030	HME/Bacterial viral HEPA filter, basic	25
PHFT7040	HME/Bacterial viral HEPA filter with CO ₂ port	25
PHFT7042	HME/Bacterial viral HEPA filter with elbow and CO ₂ port	25



HME/Bacterial Viral Filters Combined

Ordering Information		
Code	Description	Box Qty
PHFT6000	HME/Bacterial viral filter, basic	25
PHFT6005	HME/Bacterial viral filter with elbow	25
PHFT6020	HME/Bacterial viral filter with CO ₂ port	25
PHFT6025	HME/Bacterial viral filter with elbow with CO ₂ port	25
Suitable for Paediatric and Adult Patients for Tidal Volumes of 50-900ml		
PHFT6100	Mini HME/Bacterial viral filter, basic	50
PHFT6105	Mini HME/Bacterial viral filter with elbow	50
PHFT6120	Mini HME/Bacterial viral filter with CO ₂ port	50
PHFT6125	Mini HME/Bacterial viral filter with elbow and CO ₂ port	50
PHFT6130	Mini HME/Bacterial viral filter, angled and CO ₂ port	50



Heat and Moisture Exchangers

Ordering Information		
Code	Description	Box Qty
PHFT6060	HME 10, basic	25
PHFT6062	HME 10 with elbow	25
PHFT6070	HME 12, basic	25
PHFT6072	HME 12 with CO ₂ port	25
PHFT6073	HME 12 with elbow and CO ₂ port	25
PHFT6074	HME 12 with elbow	25
PHFT6215	HME neonatal, basic	25
PHFT6220	HME neonatal with port	25

Breathing Filters and HMEs

Product Specification

Bacterial Viral Filters

Code	Tidal Volume (ml)	Dead Space (ml)	Filtration Efficiency	Humdification Efficiency (mgH ₂ O/L air)
PHFT7010	150 - 1500	82	>99.999%	-
PHFT7011	150 - 1500	82	>99.999%	-
PHFT7012	150 - 1500	88	>99.999%	-
PHFT7013	150 - 1500	88	>99.999%	-
PHFT7015	150 - 1500	82	>99.999%	-

Bacterial Viral Mini Filters

Suitable for Paediatric and Adult Patients for Tidal Volumes of 50-900mls

PHFT7050	50 - 900	31	>99.99%	-
PHFT7051	50 - 900	33	>99.99%	-
PHFT7055	50 - 900	31	>99.99%	-
PHFT7056	50 - 900	30	>99.99%	-
PHFT7061	50 - 900	31	>99.99%	-

HEPA Filters (with pleated membrane)

PHFT7070	200 - 1500	71	>99.9999%	-
PHFT7080	200 - 1500	71	>99.9999%	-
PHFT7084	200 - 1500	76	>99.9999%	-
PHFT7030	200 - 1500	63	>99.9999%	33 at v _t 500ml
PHFT7040	200 - 1500	63	>99.9999%	33 at v _t 500ml
PHFT7042	200 - 1500	69	>99.9999%	33 at v _t 500ml

HME/Bacterial Viral Filters Combined

PHFT6000	150 - 1500	75	>99.999%	32.9 at v _t 500ml
PHFT6005	150 - 1500	81	>99.999%	33 at v _t 500ml
PHFT6020	150 - 1500	75	>99.999%	32.9 at v _t 500ml
PHFT6025	150 - 1500	81	>99.999%	33 at v _t 500ml

HME/Bacterial Viral Filters Combined

Suitable for Paediatric and Adult Patients for Tidal Volumes of 50-900ml

PHFT6100	50 - 900	28	>99.99%	31.8 at v _t 250ml
PHFT6105	50 - 900	32	>99.99%	32 at v _t 250ml
PHFT6120	50 - 900	28	>99.99%	31.8 at v _t 250ml
PHFT6125	50 - 900	29	>99.99%	32 at v _t 250ml
PHFT6130	50 - 900	28	>99.99%	31.8 at v _t 250ml

Heat and Moisture Exchangers

PHFT6060	50 - 900	30	-	28.9 at v _t 500ml
PHFT6062	50 - 900	37	-	29 at v _t 250ml
PHFT6070	150 - 1500	86	-	>33 at v _t 500ml
PHFT6072	150 - 1500	86	-	>33 at v _t 500ml
PHFT6073	150 - 1500	91	-	33 at v _t 500ml
PHFT6074	150 - 1500	91	-	33 at v _t 500ml
PHFT6215	10 - 50	4	-	32.5 at v _t 20ml
PHFT6220	10 - 50	4	-	32.5 at v _t 20ml

Further Product Specifications are available on the Armstrong Medical website:

www.armstrongmedical.net

Catheter Mounts



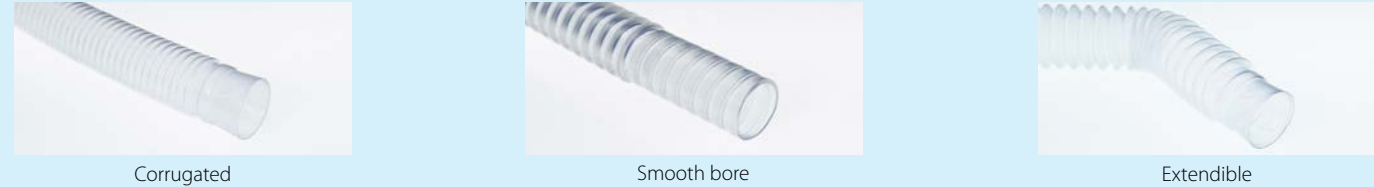
We offer an extensive range of catheter mounts for anaesthesia and intensive care applications.

Catheter mounts are available in Limblite® corrugated tubing, smooth bore tubing and extendible tubing. A variety of patient elbows are available for gas monitoring, airway suctioning and fibre optic bronchoscopy.

Key Features & Benefits:

- Low dead space catheter mounts are available in corrugated tubing and smooth bore tubing
- Available in a wide range of configurations and can be further customised by attaching associated products including filters, face masks and Spirale® DDS (metered dose inhaler drug delivery system)

Limblite® Corrugated Tubing:



Corrugated

Smooth bore

Extendible

Patient Elbows:



Plain Elbow

7.6mm Suction Ported Elbow

CO₂ Ported Elbow

Straight Connector

CO₂ Ported Straight Connector

Double Swivel Elbow

Double Swivel Ported Elbow

Double Swivel Bronchoscopy Elbow

Ordering Information

Length: 170mm, Patient Connection: 22mmM (15mmF), End Connection: 22mmF								
Tubing	Plain Elbow	7.6mm Suction Ported Elbow	CO ₂ Ported Elbow	Straight Connector	CO ₂ Ported Straight Connector	Double Swivel Elbow	Double Swivel Ported Elbow	Double Swivel Bronchoscopy Elbow
Corrugated	AMCM5111	AMCM5112	AMCM5113	AMCM5114	AMCM5115	AMCM5116	AMCM5117	AMCM5118
Length: 150mm, Patient Connection: 22mmM (15mmF), End Connection: 22mmF								
Extendible	AMCM5141	AMCM5142	AMCM5143	AMCM5144	AMCM5145	AMCM5146	AMCM5147	AMCM5148
Smooth bore	AMCM5131	AMCM5132	AMCM5133	AMCM5134	AMCM5135	AMCM5136	AMCM5137	AMCM5138
Length: 100mm, Patient Connection: 22mmM (15mmF), End Connection: 22mmF								
Corrugated	-	-	-	-	-	-	AMCM5017	AMCM5018
Smooth bore	AMCM5121	AMCM5122	AMCM5123	AMCM5124	AMCM5125	AMCM5126	AMCM5127	AMCM5128

Please note that all codes above have a box quantity of 50

Laryngeal Airways
Single Use and Reusable



The upper airway is one of the most sensitive regions of the body. Our range of single use and reusable laryngeal airways have been designed with the utmost sensitivity.

The unique features of the range facilitate ease of insertion and reduce trauma to soft tissue.



Key Features & Benefits:

- Pilot balloon acts as a pressure indicator to prevent over-inflation
- Unique one-piece design eliminates the occurrence of misaligned airways and the need for repositioning of the airway
- Made from AmSIL liquid silicone which enhances flexibility while maintaining a lumen resistant to kinking and occlusion
- Colour coded inflation line allows for easy identification of airway size before and after placement
- MRI compatible - single use only
- Preloaded stylette enables the airway to be pre-formed for ease of insertion



Ordering Information

Colour Code	LaEncore Plus Reusable Code	LaPremiere Plus Single Use Code	Description	Box Qty
	AMLA500100*	AMLA555100*	Size 1, Neonatal	5
	AMLA500150*	AMLA555150*	Size 1½, Paediatric	5
	AMLA500200*	AMLA555200*	Size 2, Infant	5
	AMLA500250*	AMLA555250*	Size 2½, Child	5
	AMLA500300**	AMLA555300**	Size 3, Large Child/Small Adult	10
	AMLA500400**	AMLA555400**	Size 4, Adult	10
	AMLA500500**	AMLA555500**	Size 5, Large Adult	10

* Including pinch clamp
** Including pinch clamp and stylette

Securement Devices

Fixation and Bite Guard



Secura

Secura is a high quality, single use combined fixation and bite guard for use with oral tracheal tubes and supraglottic airways, such as laryngeal airways. Secura mitigates the risk of the patient biting the tube or airway lumen and preventing gas flow.

Secura allows the simple and safe positioning of the cuff inflation line. The comfortable, latex-free silicone strap prevents migration of the tube or airway. Secura can be used to maintain an open-jaw position, without tube or airway placement.



Ordering Information

Code	Description	Box Qty
AMBG1700	Secura fixation and bite guard	50
AMBG17001	Secura fixation and bite guard with silicone strap	50

Tube Holders



Comfort-Fix

Comfort-Fix tube holders provide a secure method of holding tracheal and tracheostomy tubes in position.

The tube holders utilise an adhesive-backed tab which affixes easily to the tubes and fits comfortably to the patient.

The Velcro® locking strip securely holds the tube in place without requiring additional fixing methods. The Velcro® fasteners can easily adjust to fit most neck sizes, simply by lifting and placing neckband tabs.

Ordering Information

Code	Description	Box Qty
AMTHT550	Comfort-Fix Tracheostomy Tube Holder	25
AMTHT565	Comfort-Fix Tracheal Tube Holder with spare bands	25
AMTHT566	Comfort-Fix Adjustable Tracheal Tube Holder	25

Single Use Bougies



AviAir

Tracheal intubation is difficult in 1–4% and impossible in 0.05–0.35% of patients who have seemingly normal airways. [1]

The use of a tracheal tube introducer or bougie early on in such cases is recommended. [2]

AviAir is a range of single use bougies which have been developed with the benefits of traditional gum elastic bougies in mind.

AviAir bougies have been designed with clear graduated markings and a luminescent coude tip to assist with placement and visualisation during clinical use.



Key Features & Benefits*:

- Single patient use
- Luminescent coude tip**
- Clear graduated markings on left hand side
- Superior memory
- Good flexibility

Ordering Information

Code	Description	Box Qty
AMT110800	Intubating bougie 10ch length 800mm with soft luminescent tip - Coming Soon	10
AMT115750	Intubating bougie 15ch length 750mm with soft luminescent tip	10
AMT115750V	Intubating bougie, vented 15ch length 750mm - Coming Soon	10
INBV147500X	Intubating bougie, vented with O ₂ connector 14ch length 750mm	10

[1] Benumof JL. Management of the difficult adult airway. With special emphasis on awake tracheal intubation. Anesthesiology1991; 75: 1087–110.

[2] Henderson JJ, Popat MT, Latto IP, Pearce AC. Difficult Airway Society guidelines for management of the unanticipated difficult intubation. Anaesthesia 2004; 59: 675–94.

* Key Features relate to AMTI Product Codes

** Non-vented versions

Patient Warming



Thermawrap®

A simple but effective draping system to prevent patient heat loss and associated hypothermia.

Key Features & Benefits:

- Non-conductive and radiolucent making it suitable for all electro-surgery/diathermy and radiographic techniques
- Lightweight and flexible ensuring that it can be draped on all parts of the body in conjunction with the sterile surgical field
- Tight fitting to skin surface making Thermawrap® more effective than other warming systems when used in specific patient positioning e.g. lateral and stirrups positions
- Customised product designs tailored to optimise insulation and access to surgical sites



Ordering Information

Code	Description	Box Qty
AMTW1000	Adult head cover	30
AMTW1010	Paediatric head cover	100
AMTW1020	Youth head cover	40
AMTW1100	Legging x 1	40
AMTW1200	Blanket 600 x 600mm (2' x 2')	100
AMTW1300	Blanket 1200 x 1200mm (4' x 4')	30
AMTW1400	Blanket 2100 x 1200mm (7' x 4')	15
AMTW1500	Gown	20
AMTW1600	Jacket	20
AMTW3000	Pulse oximeter mitt x 1	80
AMTW3050	Pulse oximeter boot x 1	80
AMTW2000	Procedure pack: blanket 1200 x 1200mm (4' x 4') x 1, legging x 2 and adult head cover x 1	10
AMTW2100	Blanket 2100 x 1200mm (7' x 4') x 1 and adult head cover x 1	30

Anaesthetic Procedure Packs



Ultra Select

Ultra Select Kits are custom made pre-packed kits of anaesthesia consumables which can provide convenience as well as significant cost and efficiency savings.

The kit can include standard items (e.g. syringes, lubricant etc), specified by you, as well as anaesthesia induction essentials.

Key Features & Benefits:

- Customised, bespoke induction kit tailored to your exact requirements
- Maximum convenience
- Significantly reduced order processing costs through order consolidation
- Reduced preparation time
- Significantly reduced packaging waste provides environmental as well as cost saving benefits
- Reduced inventory

As Ultra Select Kits are customised to your exact needs, you can choose any of the items below to be included:



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Securement Devices
Comfort-Fix
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Thermawrap®
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Ultra Select Kits can also include:
Syringe
Lubricant gel
Tray

Anaesthetic Circuits



Limblite®

Armstrong Medical offers an extensive range of Limblite® circuits in a range of styles covering smooth bore, extendible and corrugated tubing.

From a basic Y-Piece circuit to a complete kit that includes a variety of components; we will have a circuit to meet your requirements.

All breathing systems are available in a wide range of configurations; for the more challenging request we provide a complete custom solution.

Ordering Information

Patient Elbow							
Code	Plain	Capnography ported	Tubing Type	Bagging Limb Adaptor Length	2.0 Litre Latex Free Breathing Bag	Gas Sampling Line	Box Qty
1.6m Circuits							
AMAC1780			C				40
AMAC1780/5	X		C				40
AMAC1780/6		X	C				40
AMAC1780/Z			EX				40
AMAC1780/089*			C	0.8M	X	X	40
2.0m Circuits							
AMAC1784			C				20
AMAC1784/5	X		C				20
AMAC1784/6		X	C				20
AMAC1784/Z			EX				20
2.4m Circuits							
AMAC1788			C				20
AMAC1788/5	X		C				20
AMAC1788/6		X	C				20
AMAC1788/Z			EX				20
Bagging Limbs							
AMAC1788/025		X	C	1.0M	X		20
AMAC1406/1/2/001				0.9M	X		20
AMAC1406/1/2/003				0.9M	X	X	20
Paediatric Circuits							
1.6m Circuits							
AMAC1780/P			C				20
AMAC1780/P5	X		C				20
AMAC1780/P6		X	C				20
2.4m Circuits							
AMAC1788/P			C				20
AMAC1788/P5	X		C				20
AMAC1788/P6			C				20
C - Corrugated EX - Extendible							

Anaesthetic Circuits



Combi-Flex®

Combi-Flex® is a single-limb breathing system uniquely designed for anaesthesia. This multi-functional system based on the original Universal F Concept is now available with an integral gas sampling line.

A series of design configurations cover all elements of respiratory support from anaesthesia preoxygenation through to intensive care ventilation.



Circuits are available with a variety of accessories, including:



Anaesthetic Face Masks
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Breathing Filters and HMEs
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Elbows
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Breathing Bags
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Gas Sampling Lines
Page 25

Ordering Information

Code	Description	Box Qty
AMUF1900	* Adult version, 1.5m with capnography-ported patient elbow	20
AMUF1900/007	* Basic Combi-Flex® System, length 1.5m	20
AMUF1910	* Basic Combi-Flex® System, length 1.8 with capnography-ported patient elbow	20
AMUF1910/006	* Basic Combi-Flex® System, length 1.8m with capnography ported patient elbow and extra limb length 1.2m with detachable 2.0 litre breathing bag	10
AMUF1920	* Basic Combi-Flex® System, length 2.4m with capnography-ported patient elbow	20
AMUF1900/026	* Combi-Flex® System, length 1.5m with plain patient elbow with integral gas sampling line (terminating at T-piece)	20
AMUF1910/026	* Combi-Flex® System, length 1.8m with plain patient elbow with integral gas sampling line (terminating at T-piece)	20
AMUF1920/026	* Combi-Flex® System, length 2.4m with plain patient elbow with integral gas sampling line (terminating at T-piece)	20
AMUF1900/027	* Combi-Flex® System, length 1.5m with plain patient elbow with integral gas sampling line (extending to gas monitor)	20
AMUF1910/027	* Combi-Flex® System, length 1.8m with plain patient elbow with integral gas sampling line (extending to gas monitor)	20
AMUF1920/027	* Combi-Flex® System, length 2.4m with plain patient elbow with integral gas sampling line (extending to gas monitor)	20
Paediatric Circuits		
AMUF1960	Basic Combi-Flex® System, length 1.2m with capnography-ported patient elbow	20
AMUF1961	Basic Combi-Flex® System, length 1.5 with capnography-ported patient elbow	20
AMUF1962	Basic Combi-Flex System, length 1.8m with capnography-ported patient elbow	20
AMUF1960/002	Basic Combi-Flex® System, length 7.1m with capnography-ported patient elbow (for MRI)	10

* Protected by BioCote®

Mapleson Breathing Systems



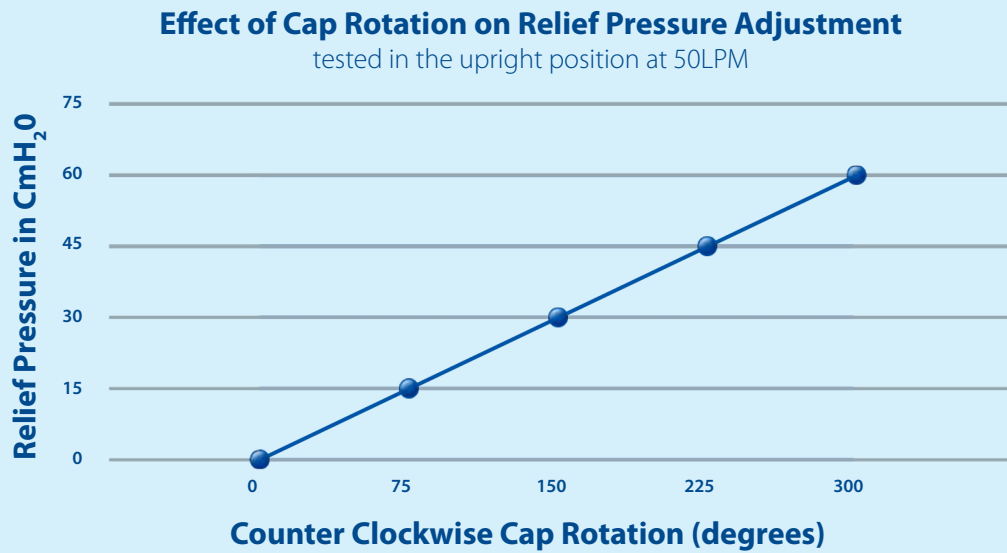
Our Mapleson Breathing Systems incorporate high quality, high performance components:

- Lightweight, accurate, sensitive Ultra APL valve
- Kink resistant oxygen tubing
- Universal oxygen connectors
- Latex-free breathing bag

60cmH₂O Adult or a 40cmH₂O Paediatric option is available.

Key Features & Benefits:

- Integrated valve and manifold design prevents unintentional disassembly and incorrect assembly
- Linear and proportional pressure adjustment
- Fine tuned incremental adjustment offering maximum user control
- Each 'click' indicates approximately 1.2cmH₂O (0.8cmH₂O for paediatrics)



Mapleson Breathing Systems



ULTRALACK Circuit (Mapleson A Modification) with 60cmH₂O ULTRA APL Valve and 2.0 Litre Latex-free Breathing Bag

Ordering Information

Code	Description	Box Qty
AMAC4705	1.6m with plain patient elbow	20
AMAC4705/6	1.6m with capnography-ported patient elbow	20
AMAC4705/8	1.6m with double swivel patient elbow	20



MAPLESON C Circuit with ULTRA APL Valve and Latex-free Breathing Bag

Ordering Information

Code	Description	Box Qty
AMBS1604/5/2	2.1m with 60cmH ₂ O ULTRA APL valve with plain patient elbow with 2.0 litre latex-free breathing bag	20
AMBS1604/045	2.1m with 60cmH ₂ O ULTRA APL valve with plain patient elbow with 2.0 litre latex-free breathing bag with disposable manometer	20
AMBS1604/001	2.1m with 40cmH ₂ O ULTRA APL valve with plain patient elbow with 1.0 litre latex-free breathing bag	20
AMBS1604/022	2.1m with 40cmH ₂ O ULTRA APL valve with 0.5 litre latex-free breathing bag	20
AMBS1604/024	2.1m with 40cmH ₂ O ULTRA APL valve with 1.0 litre latex-free breathing bag	20



AYRE'S T-PIECE Circuit (Mapleson E Modification)

Ordering Information

Code	Description	Box Qty
AMBS1608/005	2.1m with 40cmH ₂ O ULTRA APL valve with plain patient elbow with 0.5 litre latex-free breathing bag	20
AMBS1608/9	2.1m with 60cmH ₂ O ULTRA APL valve with double swivel ported patient elbow with 0.5 litre latex-free breathing bag	20

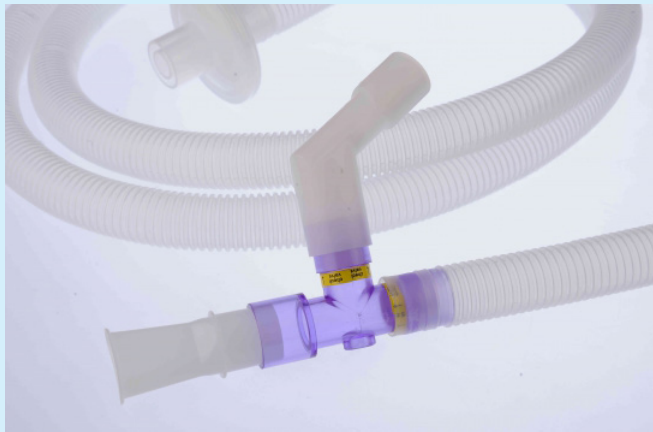


Coaxial Systems (Mapleson D Modification)

Ordering Information

Code	Description	Box Qty
AMCX4505	BASIC BAIN coaxial system 1.6m with plain patient elbow	20
AMCX4605	ULTRABAIN coaxial system length 1.6m with plain patient elbow, 60cmH ₂ O ULTRA APL valve, 2 litre latex-free breathing bag and scavenging limb	20
AMCX4607	ULTRABAIN coaxial system length 2.4m with plain patient elbow with 60cmH ₂ O ULTRA APL valve and 2.0 litre latex-free breathing bag	20
AMCXN4608	ULTRABAIN coaxial system length 2.9m with plain patient elbow, 60cmH ₂ O ULTRA APL valve, 2 litre latex-free breathing bag and scavenging limb	20

Breathing Circuits for use with Entonox®



Entonox® is a medical gas made up of equal parts of Nitrous Oxide and Oxygen. Although used mainly in childbirth, its analgesic and sedative effects are used in other hospital settings such as fracture clinics.

Our Entonox® product range includes ready to use Entonox® circuits, which use lightweight corrugated tubing and can be fitted with breathing filters and either a mouthpiece or face mask to suit patient preference.

Circuits are available with a variety of accessories, including:



Anaesthetic Face Masks
Page 6



Mouth piece
AMCA5590



Breathing Filters and HMEs
Page 9

Ordering Information

Code	Description	Box Qty
AMVC1871/022	Entonox® delivery system, length 1.6m with one-way exhalation valve and patient mouthpiece	10
AMVC1871/020	Entonox® delivery system, length 2.4m with one-way exhalation valve, bacterial viral filter and patient mouthpiece	20
AMVC1871/003	Entonox® delivery system, length 2.4m with one-way exhalation valve and UltraClear anaesthetic face mask size 5 medium adult	20
AMVC1871/076	Entonox® delivery system, length 2.8m with one-way exhalation valve and UltraClear anaesthetic face mask size 5 medium adult, with angled end connector	10
AMVC1871/027	Entonox® delivery system, length 3.6m with machine-end filter, one-way exhalation valve and patient mouthpiece	20
AMVC1871/023	Entonox® delivery system, length 4.9m with one-way exhalation valve with angled adapter for scavenging, with mouthpiece and angled end connector	10
AMBF1338/001	Mouthpiece with bacterial viral breathing filter	50
AMAC2055/1	UltraClear anaesthetic face mask size 5 medium adult and bacterial viral breathing filter	20

Connectors



Straight

Ordering Information

Code	Description	Box Qty
AMCA1362	Straight, 30mmM/22mmM	50
AMCA1300	Straight, 22mmM(15mmF)/22mmM(15mmF)	50
AMCA1321	Straight, 17mmM/15mmM	50
AMCA1322	Straight, 22mmF/15mmM	50
AMCA1323	Straight, 22mmM(15mmF)/15mmM with CO ₂ port	50
AMCA1324	Straight, 22mmM(15mmF)/15mmM	50
AMCA1325	Straight, 15mmM/15mmM	50
AMCA1327	Straight, 22mmF/15mmF	50
AMCA1300/1	Straight, 22mmM/22mmM(15mmF)	50
AMCA1301/1	Straight, 22mmF/22mmM	50
AMCA1301/2	Straight, 22mmF/22mmF	50



T-Pieces

Ordering Information

Code	Description	Box Qty
AMCA1450	T-piece, 22mmM/22mmM/22mmM(15mmF)	50
AMCA1452	T-piece, 22mmM/22mmF/22mmM(15mmF)	50
AMCA1453	T-piece, 22mmM/22mmM/22mmM(15mmF) with 7.6mm port with port cap	50
AMCA1454	T-piece, 22mmF/22mmM/22mmM(15mmF) with 7.6mm port with port cap	50
AMCA1455	T-piece, 22mmM/22mmF/22mmF	50



Elbows

Ordering Information

Code	Description	Box Qty
AMCA1500	Patient elbow, plain, 22mmM(15mmF)/15mmM (non-coloured)	50
AMCA1510	Patient elbow, plain, 22mmM(15mmF)/15mmM (coloured violet)	50
AMCA1501	Patient elbow, suction-port, 22mmM(15mmF)/15mmM (non-coloured)	50
AMCA1511	Patient elbow, suction-port, 22mmM(15mmF)/15mmM (coloured violet)	50
AMCA1502	Patient elbow, CO ₂ port, 22mmM(15mmF)/15mmM (non-coloured)	50
AMCA1512	Patient elbow, CO ₂ port, 22mmM(15mmF)/15mmM (coloured violet)	50
AMCA1550	Patient elbow, double swivel, 22mmM(15mmF)/15mmM (coloured violet)	50
AMCA1551	Patient elbow, double swivel suction port, 22mmM(15mmF)/15mmM (coloured violet)	50
AMCA1552	Patient elbow, double swivel bronchoscopy port, 22mmM(15mmF)/15mmM (coloured violet)	50

IV Accessories



SAFE-Flow

SAFE-Flow addresses the problem of backtracking, one of the most common areas of administrative error during drug delivery. Incorporating two non-return valves, SAFE-Flow ensures the right direction for drug delivery every time.

In 2009 the National Patient Safety Agency published recommendations by the Safe Anaesthesia Liaison Group (SALG) for drug infusion through the same cannula^[1].

SALG identified that a non-return valve prevents backflow of anaesthetic agent into the intravenous fluid line ensuring the patient is receiving the drug as intended.

An MHRA Alert in 2010 further highlighted the risk of backtracking with IV lines entering multiple ports^[2].

Using SAFE-Flow will help reduce your concerns.

Key Features & Benefits:

- Available with needle - free IV access
- Non - return valves prevent backtracking and eliminate the risk of under - infusion or unintentional bolus delivery of drug
- Thumb clamp allows single - handed action
- J - Loop design minimises the risk of line kinking and provides stabilisation of cannulae



Ordering Information

Code	Description	Box Qty
MDIF510	SAFE-Flow system, double valve	50
MDIF610	SAFE-Flow system, double valve with needle-free connectors	50
MDIF520	IV extension set with one-way valve	50

^[1]National Patient Safety Agency, Safe Anaesthesia Liaison Group, Guaranteeing Drug Delivery in Total Intravenous Anaesthesia, October 2009
^[2]MHRA, Medical Device Alert, Intravenous (IV) extension sets with multiple ports: all brands, September 2010

Accessories



Pressure Infusors

Ordering Information

Code	Description	Box Qty
XLINA803S	Pressure infusor with stopcock valve 500cc - disposable	24
XLINA803F	Pressure infusor with thumbwheel valve 500cc - disposable	24
XLINA804S	Pressure infusor with stopcock valve 1000cc - disposable	24
XLINA804F	Pressure infusor with thumbwheel valve 1000cc - disposable	24
XLINA805S	Pressure infusor with stopcock valve 3000cc - disposable	1
XLINA805F	Pressure infusor with thumbwheel valve 3000cc - disposable	1



Breathing Bags

Ordering Information

Code	Description	Box Qty
AMCA6060	0.5 litre, non-conductive, latex-free (coloured green)	20
AMCA6061	1.0 litre, non-conductive, latex-free (coloured green)	20
AMCA6062	2.0 litre, non-conductive, latex-free (coloured green)	20
AMCA6063	3.0 litre, non-conductive, latex-free (coloured green)	20
AMAC1406/1/2/001	Bagging limb adapter for GE anaesthesia machines, length 0.6m with 2.0 litre latex-free breathing bag	20



Gas Sampling Lines

Ordering Information

Code	Description	Box Qty
AMGSMDF701	Gas sampling line, length 3.0m with male Luer connectors	50
AMGSMDF701/003	Gas sampling line, length 2.4m with male Luer connectors	50
AMGSMDF701/004	Gas sampling line, length 4.0m with Male Luer connectors	50
AMGSMDF701/005	Gas sampling line, length 3.0m with male Luer connectors with detachable female Luer connector	50
AMGSMDF701/006	Gas sampling line length 3.0m with male to male Luer end connectors with capnography-ported connector 15mmM/22mmM(15mmF)	50
AMGSMDF701/008	Gas sampling line length 3.0m with male to male Luer connectors with capnography-ported connector 15mmM/22mmM(15mmF) and filter	50
AMGSMDF701/009	Gas sampling line, length 3.0m with male Luer connectors with detachable patient elbow	50



AMSORB® PLUS

AMSORB® PLUS is a new generation carbon dioxide absorbent, free from strong alkali metal hydroxides. Unlike absorbents containing sodium hydroxide, potassium hydroxide or barium hydroxide, it is not capable of degrading vaporous anaesthetic agents.

AMSORB® PLUS is specifically designed for low and minimal flow anaesthesia and is supported by an extensive bibliography of peer-reviewed journals.

Key Features & Benefits:

- AMSORB® PLUS does not contain sodium hydroxide, potassium hydroxide or barium hydroxide
- AMSORB® PLUS does not degrade vaporous anaesthetic agents
- AMSORB® PLUS does not generate carbon monoxide under any clinical conditions
- AMSORB® PLUS does not generate Compound A, or any similar compounds, when used with sevoflurane
- AMSORB® PLUS does not generate formaldehyde when used with sevoflurane
- AMSORB® PLUS does not contain strong alkali and therefore preserves its colour change once exhausted; unlike conventional carbon dioxide absorbents which, once exhausted, revert to their original colour
- Minimises dust contamination and is non-corrosive to skin
- Dispose of AMSORB® PLUS as per the hospital's waste management programme for non-contaminated clinical waste

Safety with Savings

Ahmed and Mannion (2011) demonstrated **“AMSORB® PLUS is a suitable, cost-efficient alternative to soda lime”**.^[1]

AMSORB® PLUS has been shown in an independent study^[1] to offer the following significant savings when compared to soda lime.

- A reduction in anaesthetic gas use by 25.7%
- A reduction in absorbent use by 58%
- A reduction in disposal costs by 93%



Guaranteed Unlimited Compatibility

Armstrong Medical guarantees the unlimited compatibility of AMSORB® PLUS on anaesthesia machines in which loose-fill CO₂ absorbent is to be used or on those machines for which we provide a prefilled absorber canister.

Machine Compatibility

Manufacturer	Model/s	1.2 litre CARTRIDGES AMAB3201	CAN-CAN® AMAB3800	G-CAN® AMAB3801	Q-CAN® AMAB3802	BUBBLE-CAN® AMAB4000	BUBBLE-CAN® UNIVERSAL AMAB4001	BUBBLE-BLOC® AMAB4000/002
Anmedic	Falcon, Kite				X			
Drager Medical	Cato, Cicero, Fabius, Julian, Zeus					X	X	X
Drager Medical	Apollo, Primus, Pallas						X	X
GE Healthcare	ADU II, Aliseo		X					
GE Healthcare	Aestiva, Excel, Modulus	X						
GE Healthcare	Aespire, Aisys, Avance, Amingo			X				
Mindray/Datascope	AS3000	X						
Penlon	SP Prima	X						
Siemens	Kion	X						
Spacelabs	Frontline, Sirius	X						



Ordering Information

Code	Description	Box Qty
AMAB3000	AMSORB® PLUS 5.0 litre jerican	2
AMAB3200	AMSORB® PLUS 1.2 litre cartridge	12
AMAB3201	AMSORB® PLUS 1.2 litre cartridge (without sealing gasket)	12
AMAB3400	AMSORB® PLUS 1.0kg bag	12
AMAB3800	Prefilled CAN-CAN® absorber, 1 litre for GE Healthcare ADU II anaesthesia workstations	6
AMAB3801	Prefilled G-CAN® absorber, 1 litre for GE Healthcare Aisys, Avance and Aespire anaesthesia workstations	6
AMAB3802	Prefilled Q-CAN absorber, 1 litre for Anmedic anaesthesia workstations with Q circle system	6
AMAB4000	Prefilled BUBBLE-CAN® absorber, 1.3 litre for Dräger anaesthesia workstations <u>excluding</u> Apollo, Pallas and Primus	6
AMAB4001	Prefilled UNIVERSAL BUBBLE-CAN® absorber, 1.2 litre for Dräger anaesthesia workstations <u>including</u> Apollo, Pallas and Primus	6
AMAB4000/001	BUBBLE-PLATE® Adapter for Dräger anaesthesia workstations	1
AMAB4000/002	BUBBLE-BLOC® Adapter for Dräger anaesthesia workstations	1
AMAB0001	Limescale removal fluid, 500mL spray	1

[1] Ahmed, O., and Mannion, S. 2011. The cost implications of replacing soda lime with Amsorb® Plus in clinical practice. ISRN Anesthesiology, vol. 2011, Article ID 730483.



Armstrong Medical
Wattstown Business Park
Newbridge Road
Coleraine BT52 1BS
Northern Ireland

T +44 (0) 28 7035 6029

F +44 (0) 28 7035 6875

E info@armstrongmedical.net

W www.armstrongmedical.net

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