



flexicare[®]
TOTAL QUALITY - TOTAL CARE

breathing filters
product catalogue



BREATHING FILTERS



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VentiShield

Help prevent the transmission of bacteria and viruses and prevent cross infection to and from the patient during anaesthesia, artificial respiration and other types of assisted ventilation. The VentiShields use an electrostatic filter medium.

LuerSafe™ option

Cap-less, self-sealing valve that prevents wrong connections. The distinctive orange colour of the LuerSafe valve and monitoring line clearly indicates the correct corresponding connectors.



- + High Filtration Efficiency
- + CO₂ Port
- + Low Resistance
- + Latex & DEHP free



ADULT NON-STERILE	ADULT STERILE	MINI NON-STERILE	MINI STERILE	DESCRIPTION	QTY
038-41-360	038-41-360STR	038-42-360		VentiShield Bacterial / Viral Filter	50
038-41-340	038-41-340STR			VentiShield Bacterial / Viral Filter Angled	50
038-41-365	038-41-365STR	038-42-365	038-42-365STR	VentiShield Bacterial / Viral Filter (with Tethered Cap Port)	50
038-41-345	038-41-345STR			VentiShield Bacterial / Viral Filter Angled (with Tethered Cap Port)	50
038-41-366		038-42-366		VentiShield Bacterial / Viral Filter (with Tethered Cap Port) + Low Profile Elbow (22M/15F)	50

with LuerSafe™ Port

038-41-365LS		038-42-365LS		VentiShield Bacterial / Viral Filter (with LuerSafe Port)	50
038-41-345LS				VentiShield Bacterial / Viral Filter Angled (with LuerSafe Port)	50
038-41-366LS		038-42-366LS		VentiShield Bacterial / Viral Filter (with LuerSafe Port) + Low Profile Elbow (22M/15F)	50

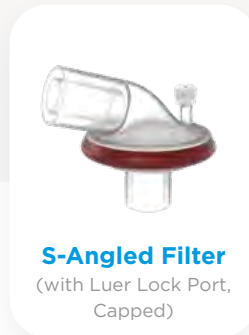
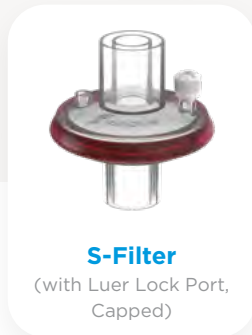
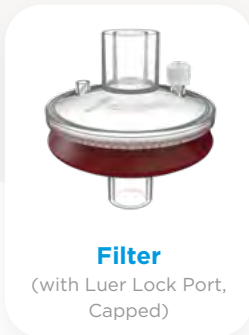
Barr-Vent

Intended to help prevent the transmission of bacteria and viruses and reduce cross infection to and from the patient during anaesthesia, artificial respiration and other types of assisted ventilation such as in the critical care environment.



- + Colour coded red, to indicate filtration only
- + Electrostatic filter material with excellent filtration properties
- + Different sizes and shapes, for different applications

Barr-Vent Filters are respiratory filters that protect patients and clinicians against bacterial and viral infections. The electrostatically enhanced filter material effectively forms a barrier, reducing the risk of cross-contamination without compromising the resistance to the flow of air.



BARR-VENT (STERILE)	BARR-VENT (NON-STERILE)	DESCRIPTION	QTY
300-300-000	301-300-000	Barr-Vent Filter (with Luer Lock Port, Capped)	50
300-400-000	301-400-000	Barr-Vent S Filter (with Luer Lock Port, Capped)	50
300-410-000	301-410-000	Barr-Vent S-Angled Filter (with Luer Lock Port, Capped)	50
300-440-000	301-440-000	Barr-Vent Machine Filter	50

ThermoShield™

Heat and Moisture Exchange Filters (HMEFs) are used to protect patients and ventilators from cross infection and to warm and humidify the inspired gases.

Secure Luer Lock

Easy to operate push-fit tethered luer lock cap is secured with a strap, reducing the risk of misplacement or loss.

LuerSafe Option

Cap-less, self-sealing valve that prevents wrong connections. The distinctive orange colour of the LuerSafe valve and monitoring line clearly indicates the correct corresponding connectors.



ADULT NON-STERILE	ADULT STERILE	MINI NON-STERILE	MINI STERILE	DESCRIPTION	PORT TYPE	QTY
038-41-350	038-41-350STR	038-42-350		ThermoShield Bacterial / Viral HME Filter		50
038-41-330	038-41-330STR			ThermoShield Bacterial / Viral HME Filter Angled		50
038-41-355	038-41-355STR	038-42-355	038-42-355STR	ThermoShield Bacterial / Viral HME Filter	Tethered Cap	50
038-41-335	038-41-335STR			ThermoShield Bacterial / Viral HME Filter Angled	Tethered Cap	50
038-41-355LS	038-41-355LSSTR	038-42-355LS		ThermoShield Bacterial / Viral HME Filter	LuerSafe	50
038-41-335LS	038-41-335LSSTR			ThermoShield Bacterial / Viral HME Filter Angled	LuerSafe	50
038-41-356		038-42-356	038-42-356STR	ThermoShield Bacterial / Viral HME Filter + Low Profile Elbow (22M/15F)	Tethered Cap	50
		038-42-356LS		ThermoShield Bacterial / Viral HME Filter + Low Profile Elbow (22M/15F)	LuerSafe	50
038-41-357	038-41-357STR			ThermoShield Bacterial / Viral HME Filter + Catheter Mount + Low Profile Elbow (22M/15F)	Tethered Cap	50
038-41-359				ThermoShield Bacterial / Viral HME Filter + Expandable Catheter Mount with Double Swivel Elbow & Double Port Cap and Seal	Tethered Cap	50

Hygrovent

The Hygrovent HMEFs are respiratory filters with an integrated heat and moisture exchanger. The electrostatically enhanced filter protects patient and clinician against bacterial and viral infections.

- + Colour coded blue, to indicate filtration and humidification properties
- + Luer Lock connection for gas sampling

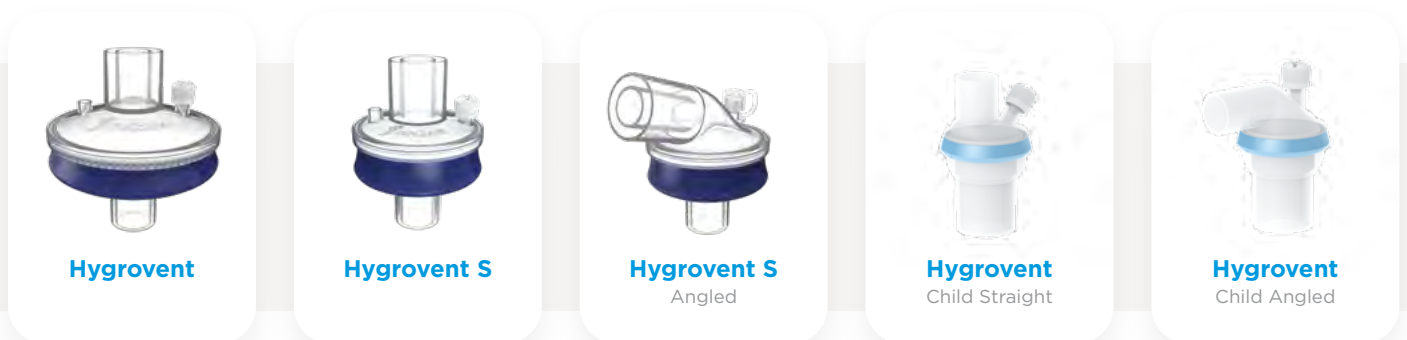


Effective Humidification

The heat and moisture exchanger effectively warms and moistens the air to be inhaled.

Various Sizes

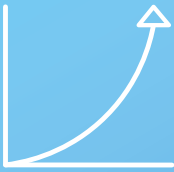
Hygrovent HMEF offers different sizes to meet different patient requirements.



HYGROVENT (STERILE)	HYGROVENT (NON-STERILE)	DESCRIPTION	QTY
300-100-000	301-100-000	Hygrovent HMEF (with Luer Lock Port, Capped)	50
300-200-000	301-200-000	Hygrovent S HMEF (with Luer Lock Port, Capped)	50
300-210-000	301-210-000	Hygrovent S Angled HMEF (with Luer Lock Port, Capped)	50
300-520-000	301-520-000	Hygrovent Child Straight HMEF (with Luer Lock Port, Capped)	50
300-510-000	301-510-000	Hygrovent Child Angled HMEF (with Luer Lock Port, Capped)	50

HME Booster

Located close to the patient, the innovative HME Booster is a unique solution to provide heat and humidity to the patient without relying on conventional active humidification systems.



High Performance Delivery

The HME Booster delivers not only heat and moisture directly to the patient with every inspired breath, but during exhalation it also increases the performance of the HME for the next respiratory cycle.



Effective Humidification

The system consists of a high-performance HME filter with heating element and a water source adapter. The heating process causes evaporation, which warms and humidifies the air. The extra heat and moisture in combination with the HME provide excellent humidification levels.



Multi Use

Durable and reusable heater is available with different power configurations for multiple regions.

PART	DESCRIPTION	ADDITIONAL COMPONENTS	QTY
358 930 400	HME Booster Heater EU plug		1
358 931 400	HME Booster Heater UK plug		1
358 932 400	HME Booster Heater US plug		1
358 933 400	HME Booster Heater US		1
358 934 400	HME Booster Heater AUS plug		1
358 000 071	Replacement X-rings for HME Booster		5



Hygrovent Gold*

Hygrovent Gold combines the simplicity of an HME with the benefits of active humidification. The easily placed heating element adds additional heat and moisture to the inspired gases. Clinically proven to increase humidity levels in mechanically ventilated patients¹.



HME Booster T-piece Sets*

Sterile, single-use HME Booster configurations are available to fit your specific needs. Each set consists of a Hygrovent S HME filter and a HME Booster T-piece.

PART	DESCRIPTION	ADDITIONAL COMPONENTS	QTY
354-200-000	HME Booster T-piece with Hygrovent S Bacterial Viral HMEF Small		50
354-215-010	HME Booster T-Piece Kit 1	10cm Smoothbore Catheter Mount, Double Swivel Ported Elbow	25
354-205-010	HME Booster T-Piece Kit 2	10cm Smoothbore Catheter Mount, Straight	25
355-000-000	Hygrovent Gold Basic		50
355-005-010E	Hygrovent Gold Standard	Straight Smoothbore Catheter Mount 10cm	25
355-105-015F	Hygrovent Gold Standard Flex	Straight Flexi-Lock Catheter Mount	25
355-001-010E	Hygrovent Gold Comfort	Ported Double Swivel Smoothbore Catheter Mount 10cm	25

¹ I Gonzalez, P Jumenez, J Valdivia, A Esquinas. Indian Journal of Critical Care Medicine, Wolters Kluwer - Medknow, 2017.

*HME Booster not included. Shown for illustration.

Climavent™

Climavent Heat and Moisture Exchangers (HMEs) contain a heat and moisture exchange medium. They are used to warm and humidify the patient's inspired gases. The HME media retains some of the patients exhaled heat and moisture using that to passively warm and humidify the air inspired in the next breath. They are normally positioned at the patient end of a breathing system.

Effective Humidification

The heat and moisture exchanger effectively warms and moistens the air to be inhaled.

Various Sizes

Climavent offers different sizes to meet different patient requirements.



Climavent



Climavent S



Climavent S
Angled



Climavent XS
Child Straight



Climavent
Child Straight

STERILE	NON-STERILE	DESCRIPTION	QTY
300-610-000	301-610-000	Climavent HME (with Luer Lock Port, capped)	50
300-600-000	301-600-000	Climavent S HME Small (with Luer Lock Port, capped)	50
300-605-000	301-605-000	Climavent S HME Angled Small (with Luer Lock Port, capped)	50
300-630-000	301-630-000	Climavent XS HME Extra Small	50
300-622-000	301-622-000	Climavent Child HME Straight (with Luer Lock Port, capped)	50
300-621-000	301-621-000	Climavent Child HME Angled (with Luer Lock Port, capped)	50

Neonatal HME(F)

A heat and moisture exchanger designed to replicate the functions of the body's upper airway by effectively warming and moistening the air to be inhaled by the patient.



PART	DESCRIPTION	QTY
038-43-150	Neonatal HME Sterile	25
038-43-355	Neonatal Bacterial / Viral Filter and HME (with Lock Port and Tethered Cap)	50



HF55

The HF55 is a bacterial/viral filter with integrated HME. It has the optimal balance between humidification properties, filtration, resistance to flow and internal volume.

STERILE	NON-STERILE	DESCRIPTION	QTY
HF55	HF055	HF55 HME filter (with Luer lock port, capped)	50

ThermoTrach™

Light-weight Heat Moisture Exchanger (HME) for spontaneously breathing patients fitted with a tracheostomy tube.

- + Clear housing permits visual examination for potential occlusion
- + Humidifies oxygen before reaching the patient



Swivel Oxygen Connector

Supplementary oxygen can be provided by attachment to the ThermoTrach swivel oxygen connector which can be angled to the most convenient and comfortable position, reducing the risk of disconnection, kinking and drag against the patient.

Corrugated Paper Media

The white colour HME media makes it easy for carers to see any contamination of the media and change before a problem arises.

The airway can be cleared by inserting a suction catheter through the integrated self-sealing suction port. The port also acts as a vent that can open during vigorous coughing to allow thick mucosal secretions to be expelled, avoiding blocking of the airway.



ThermoTrach
HME with Vent and Swivel Oxygen Port



ThermoTrach
Low Resistance HME with Vent and Swivel Oxygen Port

PART	DESCRIPTION	QTY
038-41-255	ThermoTrach Tracheostomy Low Resistance HME with Vent and Swivel Oxygen Port	50
038-41-260	ThermoTrach Tracheostomy Low Resistance HME with Vent	50
038-41-250	ThermoTrach Tracheostomy HME with Vent and Swivel Oxygen Port	50
038-41-250T	ThermoTrach Tracheostomy HME with Vent, Swivel Oxygen Port and 2.1m Oxygen Tubing	50

Climatrach

Climatrach HME is a heat and moisture exchanger that takes over the function of the upper airways in spontaneously breathing patients with a tracheostomy.

- + Small, inconspicuous size
- + Round design



Patient Comfort

Effectively warms and humidifies the inhaled air by the HME medium.

Safety Valve

The optional safety valve opens when the internal pressure temporarily becomes too high and closes when the pressure reaches normal value again.

Unique Design

The unique design combines excellent performance with a lightweight construction for extra patient comfort.



Climatrach



Climatrach
with O₂ Port



Climatrach
with Safety Valve



Climatrach
O₂ Port + Safety Valve

CLIMATRACH (STERILE)	CLIMATRACH (NON-STERILE)	DESCRIPTION	QTY
300-700-000	301-700-000	Climatrach Tracheostomy HME	50
300-710-000	301-710-000	Climatrach Tracheostomy HME with O ₂ Port	50
300-720-000	301-720-000	Climatrach Tracheostomy HME with Safety Valve	50
300-730-000	301-730-000	Climatrach Tracheostomy HME with O ₂ Port with Safety Valve	50

HepaShield™

HepaShield pleated hydrophobic bacterial/viral mechanical filters minimise flow resistance and maximise surface area for superior filtration efficiency.

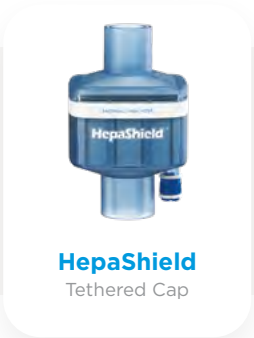


Reduced Drag

Light weight construction reduces drag on the breathing system and airway.

Rounded Edges

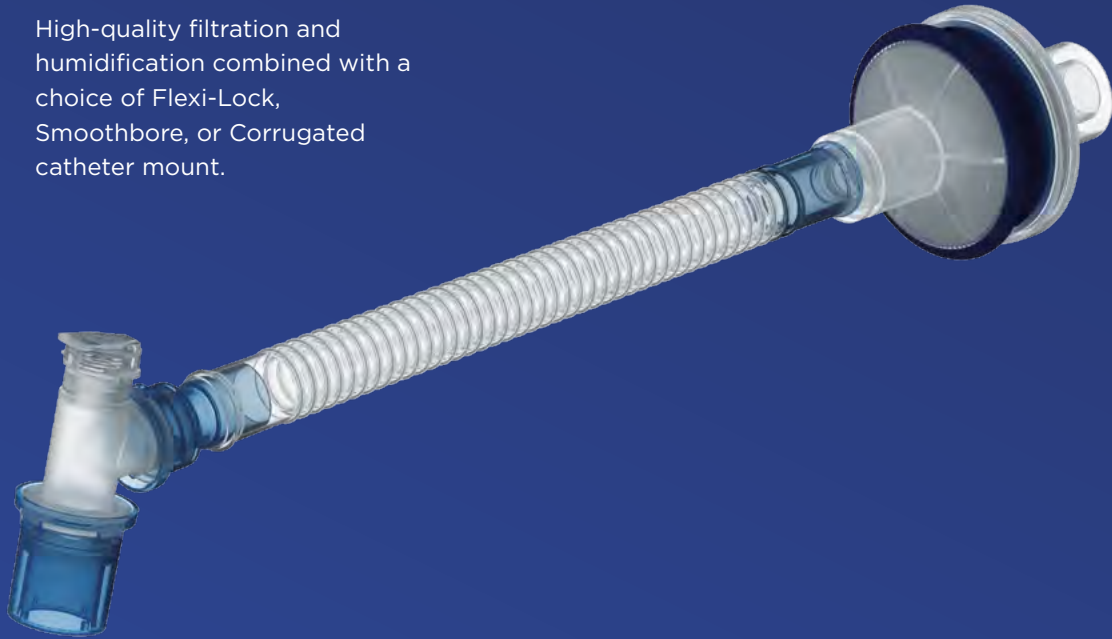
Smooth contours prevent pressure marks on the patient.



HEPASHIELD (STERILE)	HEPASHIELD (NON-STERILE)	DESCRIPTION	QTY
038-41-370STR	038-41-370	Adult HepaShield Pleated Hydrophobic Bacterial / Viral Filter	50
038-41-375STR	038-41-375	Adult HepaShield Pleated Hydrophobic Bacterial / Viral Filter (with Tethered Cap Port)	50
038-41-376STR	038-41-376	Adult HepaShield Pleated Hydrophobic Bacterial / Viral Filter (with Tethered Cap Port) + Expandable Catheter Mount with Double Swivel Elbow + Double Port Cap and Seal	50
038-42-380STR	038-42-380	Paediatric HepaShield Pleated Hydrophobic Bacterial / Viral Filter	50
038-42-385STR	038-42-385	Paediatric HepaShield Pleated Hydrophobic Bacterial / Viral Filter (with Tethered Cap Port)	50

Combi Sets

High-quality filtration and humidification combined with a choice of Flexi-Lock, Smoothbore, or Corrugated catheter mount.



PART	DESCRIPTION	QTY
450-105-001	Hygrovent Bacterial Viral HMEF with Flexi-Lock Straight Catheter Mount 15F-22M/15M	25
430-201-010	Hygrovent S Bacterial Viral HMEF Small + Smoothbore Catheter Mount 10cm with Ported Swivel Elbow 15M	25
420-201-015	Hygrovent S Bacterial Viral HMEF Small + Smoothbore Catheter Mount 15cm with Ported Swivel Elbow 15M	25
430-201-015	Hygrovent S Bacterial Viral HMEF Small with Smoothbore Catheter Mount 15cm with Swivel Elbow 15M	25



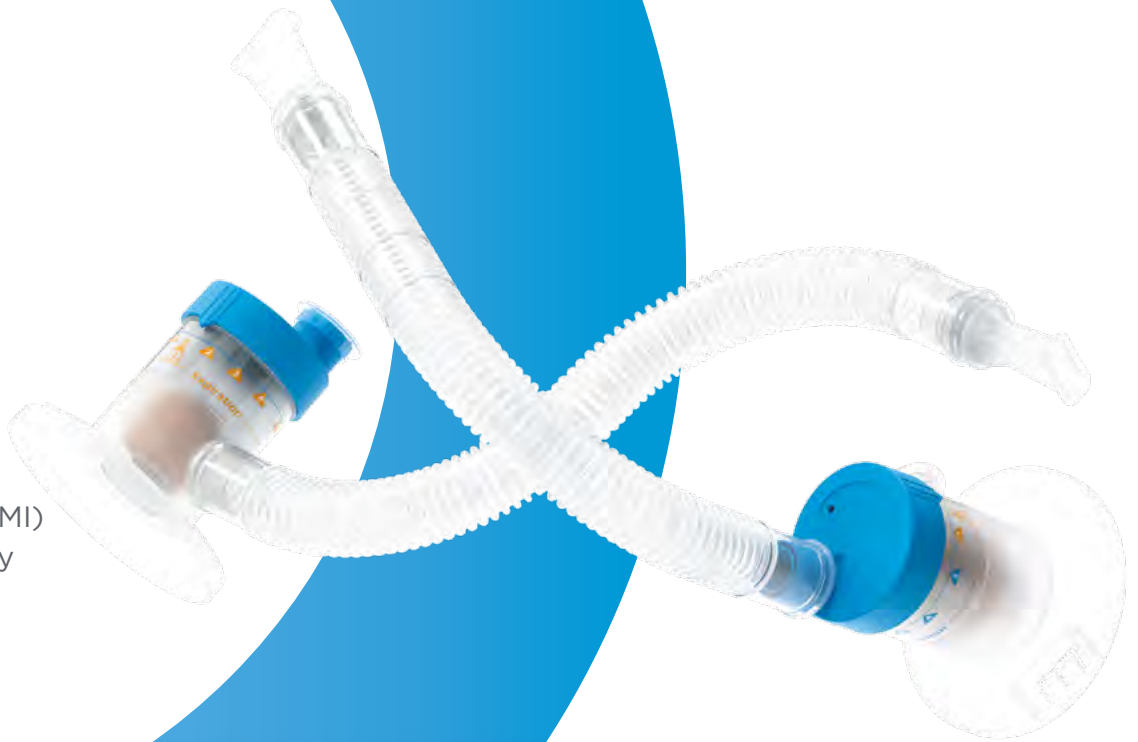

Pulmonary Test Filter

Designed to be fitted onto lung function test equipment and to provide a microbial barrier with minimal resistance. This reduces the risk of cross-contamination while still ensuring accurate test results.

PART	DESCRIPTION	QTY
038-41-395	Pulmonary Function Test Filter	50
038-41-394	Nose Clip for use with Pulmonary Function Test Filter	50
038-41-396	Pulmonary Function Test Filter with Oval Mouthpiece	50

MediFlo Duo

Single patient use breathing exerciser used for Sustained Maximal Inspiration (SMI) and Positive Expiratory Pressure (PEP) breathing exercises.





Your personal trainer for improved lung function.

Patients recovering from thoracic and upper abdominal surgery, or those that require prolonged in-bed recovery, benefit from respiratory exercises to improve ventilation and prevent lung complications. Performing breathing exercises with the MediFlo Duo is physiologically comparable with sighing and yawning.

Resistance to flow is easily adjusted to perfectly fit each patient's physical ability. Monitor improvement with the resistance indicator scale and increase therapy compliance.

With only a few adjustments the MediFlo Duo can be transformed from a respiratory exerciser for inspiration exercises to a breathing trainer for expiration exercises.



Positive Expiratory Pressure (PEP)

An exhalation exercise performed by slowly breathing out against an expiratory resistance.



Sustained Maximal Inspiration (SMI)

An inhalation exercise performed by breathing in as slowly, continuously and deeply as possible.

PART	DESCRIPTION	QTY
700 000 000	Mediflo Duo Breathing Trainer	20

Peak Flow Meter

Highly accurate, lightweight and portable peak flow meter for asthma management. Designed for use in clinics, general practice, sports medicine and home use; providing convenience wherever you are.

- + Integrated oval mouthpiece
- + Suitable for adults and children

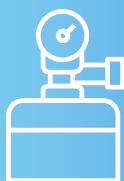


The effective management of asthma relies on early identification of the threat of potential exacerbations. The ability to respond promptly depends on close monitoring of peak flow to help protect quality of life and optimise the efficacy of medication.



Easy Set-Up

The zone markers may be set with a stylus by the healthcare professional to give the personal boundaries for implementing the asthma action plan.



50-800 L/min Range

Easy-to-read scale that simplifies patient self-monitoring, measuring between 50-800 litres per minute.



Lightweight & Portable

The protective sleeve securely shields the Peak Flow Meter from scratches or damage when travelling.

PART	DESCRIPTION	QTY
VIT43911	Peak Flow Meter	25



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