

## BREATHING SYSTEM FILTERS

The CareStar® breathing system filter significantly contributes to infection prophylaxis in anesthesia and ventilation treatment through high retention rates.

- High-performance electrostatic filter
- Patient-side or device-side use
- Minimal workload and low cost
- Sampling connector with tethered cap
- Sampling port in convenient 45° angle
- Transparent housing for visual control
- Standardized connectors for safe connection to other components
- Clear labeling and red color coding for quick identification

<b>A</b>	<b>Electrostatic filter CareStar® 45, disposable, 45 ml deadspace, 50 pcs.</b>	<b>MP01755</b>
<b>B</b>	<b>Electrostatic filter CareStar® 40A, disposable, 40 ml deadspace, angled, 50 pcs.</b>	<b>MP01765</b>
<b>C</b>	<b>Electrostatic filter CareStar® 30, disposable, 30 ml deadspace, 50 pcs.</b>	<b>MP01770</b>



## BREATHING SYSTEM FILTERS

### SPECIFICATIONS

	Filter CareStar® 45	Filter CareStar® 40A	Filter CareStar® 30
Part number	MP01755	MP01765	MP01770
Deadspace (ml)			30
Recommended tidal volume (ml)			100 to 1,500
Bacterial retention (%)**			≥ 99.99
Viral retention (%)**			≥ 99.99
Filtration method			Electrostatic
Moisture loss* (mg H <sub>2</sub> O/l air)			–
Moisture output (mg H <sub>2</sub> O/l air)			–
Resistance (mbar)			< 1 at 15 l/min
Weight (g)			23
ISO connectors			22M/15F – 22F/15M
Sampling port			Luer Lock with tethered cap
Housing			Polypropylene
Maximum duration of use			24 hours
Shelf life in undamaged packaging			3 years
Product			PVC-free/ Latex free

### SPECIFICATIONS

	Filter SafeStar® 80	Filter SafeStar® 60A	Filter SafeStar® 55
Part number	MP01785	MP01795	MP01790
Deadspace (ml)			
Recommended tidal volume (ml)			
Bacterial retention (%)**			
Viral retention (%)**			
Filtration method			
Moisture loss* (mg H <sub>2</sub> O/l air)			
Moisture output (mg H <sub>2</sub> O/l air)			
Resistance (mbar)			
Weight (g)			
ISO connectors			
Sampling port			
Housing			
Maximum duration of use			
Shelf life in undamaged packaging			
Product			

Cleanroom manufactured according to EN ISO 14644-1:2014.

\*According to ISO 9360-1:2000.

\*\*Test has been performed by Nelson Lab, USA, before 2010

## BREATHING SYSTEM FILTERS AND HMEs

### 2. BREATHING SYSTEM FILTERS AND HMEs

The TwinStar® filter/HME from Dräger is a combination of an efficient HME and a high-performance breathing system filter, thereby significantly contributing to infection prophylaxis in ventilation treatment.

- Combination of efficient HME and high-performance breathing system filter
- High retention rates for bacteria and viruses
- High return of heat and moisture
- Reduced condensation in the breathing circuit
- Minimal workload and low cost
- Sampling connector with tethered cap
- Sampling port in convenient 45° angle
- Transparent housing for visual control
- Standardized connectors for safe connection to other components
- Clear labeling and blue color coding for quick identification

<b>A</b>	<b>Electrostatic filter and HME TwinStar® 90, disposable, 90 ml deadspace, 50 pcs.</b>	<b>MP01800</b>
<b>B</b>	<b>Electrostatic filter and HME TwinStar® 65A, disposable, 65 ml deadspace, angled, 50 pcs.</b>	<b>MP01810</b>
<b>C</b>	<b>Electrostatic filter and HME TwinStar® 55, disposable, 55 ml deadspace, 50 pcs.</b>	<b>MP01805</b>
<b>D</b>	<b>Electrostatic filter and HME TwinStar® 25, disposable, 25 ml deadspace, 50 pcs.</b>	<b>MP01815</b>
<b>E</b>	<b>Electrostatic filter and HME TwinStar® 10A, disposable, 10 ml deadspace, angled, 50 pcs.</b>	<b>MP01825</b>
<b>F</b>	<b>Electrostatic filter and HME TwinStar® 8, disposable, 8 ml deadspace, 50 pcs.</b>	<b>MP01820</b>
<b>G</b>	<b>Mechanical filter and HME TwinStar® HEPA, disposable, 55 ml deadspace, 50 pcs.</b>	<b>MP01801</b>



## BREATHING SYSTEM FILTERS AND HMEs

## SPECIFICATIONS

	Filter/HME TwinStar® 90	Filter/HME TwinStar® 65A	Filter/HME TwinStar® 55	Filter/HME TwinStar® 25
Part number	MP01800	MP01810	MP01805	MP01815
Deadspace (ml)				25
Recommended tidal volume (ml)				75 to 500
Bacterial retention (%)**				≥ 99.999
Viral retention (%)**				≥ 99.99
Filtration method				Electrostatic
Moisture loss* (mg H <sub>2</sub> O/l air)				5.8@Vt 250 ml
Moisture output (mg H <sub>2</sub> O/l air)				38.2
Resistance (mbar)				< 2 at 15 l/min
Weight (g)				18
ISO connectors				22M/15F – 22F/15M
Sampling port				Luer Lock with tethered cap
Housing				Polypropylene
Maximum duration of use				24 hours
Shelf life in undamaged packaging				3 years
Product				PVC-free/ Latex free

## SPECIFICATIONS

	Filter/HME TwinStar® 10A	Filter/HME TwinStar® 8	Filter/HME TwinStar® HEPA
Part number	MP01825	MP01820	MP01801
Deadspace (ml)		8	
Recommended tidal volume (ml)		30 to 200	
Bacterial retention (%)**		≥ 99.9	
Viral retention (%)**		≥ 99.9	
Filtration method		Electrostatic	
Moisture loss* (mg H <sub>2</sub> O/l air)		6.1@Vt 50 ml	
Moisture output (mg H <sub>2</sub> O/l air)		37.9	
Resistance (mbar)		< 1 at 5 l/min	
Weight (g)		9	
ISO connectors		22M/15F – 15F/8.5M	
Sampling port		Luer Lock with tethered cap	
Housing		Polypropylene	
Maximum duration of use		24 hours	
Shelf life in undamaged packaging		3 years	
Product		PVC-free/ Latex free	

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\*According to ISO 9360-1:2000.

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## FiltaMask™

The FiltaMask combines an oxygen delivery system with a filter media covering the exhalation ports. FiltaMask is intended for use on patients who may be a source of aerosolised infectious pathogens and who also require supplementary oxygen.




Code	Description	Tube length	Box Qty.
1145000	FiltaMask, Eco, adult, medium concentration oxygen mask with tube	2.1m	15 

[Make an enquiry](#)



## High concentration oxygen mask

Adult and paediatric high concentration oxygen masks. The Intersurgical EcoLite™ adult mask design is both comfortable for the patient and seals on the patients face, which results in higher oxygen concentrations as less ambient air enters the mask.

 Video available at [www.intersurgical.com](http://www.intersurgical.com)



 illustrated

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


[Make an enquiry](#)

## Respi-Check™ breathing indicator mask

Respiratory rate is an accurate reflection of severity of illness and if carefully measured is a sensitive marker of accurate respiratory and metabolic dysfunction, especially in the critical care setting. The Respi-Check breathing indicator provides a simple and inexpensive solution to improving the accuracy of respiratory rate measurement.



 illustrated

Code	Description	Tube length	Box Qty.
 1202000	Respi-Check, adult, breathing indicator high concentration oxygen mask with tube	2.1m	20
1216000	Respi-Check, adult, breathing indicator medium concentration oxygen mask		20
1292000	Respi-Check, paediatric, breathing indicator high concentration oxygen mask with tube	2.1m	20

[Make an enquiry](#)

 Lower environmental impact product

## Intersurgical EcoLite™ adult medium concentration oxygen mask

### Welcome to the Comfort Zone

The unique design and materials used to manufacture the Intersurgical EcoLite mask provides improved patient comfort and a reduced environmental impact.

### Comfortable for the Patient

Improved patient comfort has been key to the development of the Intersurgical EcoLite mask. The latest manufacturing technology has enabled us to combine two non-PVC materials in the same product, the polypropylene material forming the body of the Intersurgical EcoLite mask is clear, lightweight and rigid enough to maintain the masks shape, whilst the second softer TPE material is utilised in the seal, which is in contact with the patients face.

### Comfortable for the Environment

The Intersurgical EcoLite mask is an important part of our Eco range, designed as part of our ongoing focus on sustainable development. The use of PVC in medical products has been questioned and its impact on the environment. The utilisation of alternative materials has resulted in the elimination of PVC from the Intersurgical EcoLite mask, reducing the environmental impact.



More about  
our Eco range

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

Video available at [www.intersurgical.com](http://www.intersurgical.com)



### Incurved nose seal

Conforms to different nose shapes designed to prevent oxygen entering patient's eyes

### No metal nose clip

MRI compatible

### Exhalation ports

Designed to minimise the amount of rebreathed carbon dioxide

↑  
O<sub>2</sub>

### A choice of "under chin" or "on chin" positions

Provides a better fit on a wider range of patient face shapes

### Lighter

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

### Soft face seals

Increased patient comfort

### Elastic can be positioned under or over the ears

Below ear position eliminates trauma to top of ears



Make an enquiry

### Adult masks

Code	Description	Tube length	Box Qty.
1136015	Intersurgical EcoLite, adult, medium concentration oxygen mask		55
1135015	Intersurgical EcoLite, adult, medium concentration oxygen mask with tube	2.1m	40

Lower environmental impact product

## HOT Top™2 nebuliser

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

In addition, the HOT Top2 nebuliser incorporates a number of improved features. These include the graduated nebuliser drug cup which provides guidance on how much drug is left in the nebuliser and a quick-release fitting which enables the nebuliser to be attached and detached with a quarter-turn. This speeds up the refilling process and provides a more reliable seal between the cup and the nebuliser body.

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

of 8 L/min, 78% of the volume output will comprise particles of less than 5 microns in diameter with a Mass Median Diameter (MMD) of 2.8 microns.

At the lower driving gas flow of 6 L/min the performance is equivalent to a conventional closed nebuliser making it suitable for use with compressors, which typically have lower flow outputs<sup>1</sup>.

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

Video available at [www.intersurgical.com](http://www.intersurgical.com)

**Faster treatment times**  
Improved patient compliance

**Graduated nebuliser cup guide**  
Faster preparation



**Standard 22F Taper**  
Fits masks, T-pieces and mouthpieces

**Quick-release fitting**  
Fast filling

**Low residual volume**  
Reduced drug waste

### HOT Top2 nebulisers – Standard base

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

Make an enquiry

### HOT Top2 nebulisers – Sure Loc™ Base

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



Code	Description	Tube length	Box Qty.
1471015	HOT Top2 nebuliser with Sure Loc base		65
1473015	HOT Top2 nebuliser, adult, Intersurgical EcoLite mask kit with Sure Loc base and tube	2.1m	30
1474015	HOT Top2 nebuliser, paediatric, Intersurgical EcoLite mask kit with Sure Loc base and tube	1.8m	36
1475015	HOT Top2 nebuliser mouthpiece kit with Sure Loc base and tube	1.8m	45

Lower environmental impact product

Reference: 1. Konceviciute. J. 98881 17.07.12



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## CATHETER MOUNTS AND AIRWAY CONNECTORS

### 4. CATHETER MOUNTS AND AIRWAY CONNECTORS

- Smoothbore products provide low resistance to flow while external coil reduces kinks and blockages
- Extendable product provides a lightweight and flexible solution
- Double swivel connector increases ease of use
- Double cap to maintain PEEP during suctioning or bronchoscopy
- Each catheter mount and airway connector is equipped with a red safety cap so that the system is completely closed and protected until directly prior to use on the patient
- 22F/15M connector on device side as a two-in-one solution
- Standardized connectors for safe connection to other components
- Luer Lock port for gas sampling
- Disposable convenience enhances workflow
- PVC-free design of gas leading components eliminates risk of softeners such as DEHP

<b>A</b>	<b>Catheter mount ErgoStar® CM 40, disposable, 10 cm, double swivel elbow, 50 pcs.</b>	<b>MP01840</b>
<b>B</b>	<b>Catheter mount ErgoStar® CM 45, disposable, 15 cm, double swivel elbow, 50 pcs.</b>	<b>MP01845</b>
<b>C</b>	<b>Catheter mount ErgoStar® CM 50, disposable, 10 – 16 cm, extendable, 50 pcs.</b>	<b>MP01850</b>
<b>D</b>	<b>Catheter mount ErgoStar® CM 55, disposable, 15 cm, straight, 50 pcs.</b>	<b>MP01855</b>
<b>E</b>	<b>Catheter mount ErgoStar® CM 60, disposable, 10 cm, small, double swivel elbow, 50 pcs.</b>	<b>MP01860</b>
<b>F</b>	<b>Airway connector ErgoStar® AC 90, disposable, double-swivel elbow w/ double cap, 100 pcs.</b>	<b>MP01890</b>
<b>G</b>	<b>Airway connector ErgoStar® AC 95, disposable, w/ Luer Lock sampling port, 100 pcs.</b>	<b>MP01895</b>





## Compact™ extendable anaesthetic breathing systems providing a versatile solution

### Optimum compression

Designed for economy, the unique Compact extendable anaesthetic breathing system can be compressed to almost one fifth of its extended length. Supplied in compressed form increasing the number of systems per box, there can be significant space and cost savings compared with other breathing systems. A standard box of Compact systems could provide a hospital with an extra three weeks supply.

- More Compact systems per box
- Lower storage requirements
- Lower freight volume costs
- Improved disposal

### Low resistance to flow

Designed with a shallow profile resulting in more laminar gas flow and lower resistance to flow. At 60 L/min, resistance to flow of the extended tube is 1.0 cm H<sub>2</sub>O per metre.

### Lightweight system

Lighter than other extendable systems ensuring that the 'pull' on the patient's airway device is kept to a minimum.

### Low compliance

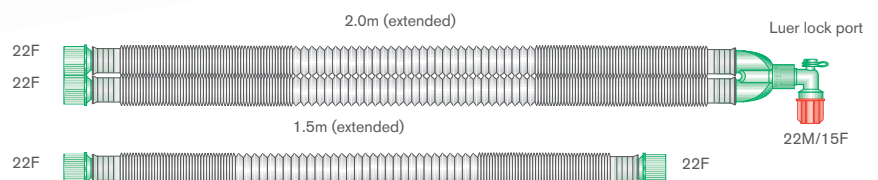
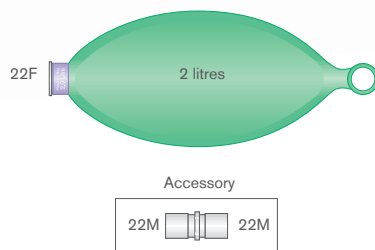
The compliance of the Compact system tube when extended is 4.4ml/kpa per metre of tube, which is less than that required in the ISO 5367:2000 standard.

### Adjustable length

Packed and supplied in the shortest length for simple extension to the length required for clinical use.

### Easy positioning

The nature of the Compact system tube allows for it to be set in any position required. This results in multiple positioning possibilities, ideal for head and neck surgery where the system can be positioned away from the patient, and does not require any additional patient connections.



system illustrated

Code	Description	Box Qty.
2150000	22mm Compact, extendable breathing system with luer elbow, ≥1.5m	70
2151000 (S*)	22mm Compact, extendable breathing system with luer elbow, ≥2.0m	70 (30*)
2152000	22mm Compact, extendable breathing system with 3L bag and limb, ≥2.0m	35
2153000	22mm Compact, extendable breathing system with 3L bag and filter and limb, ≥2.0m	35
2154000 (S*)	22mm Compact, extendable breathing system with 2L bag and limb, ≥2.0m	35 (20*)
2155000	22mm Compact, extendable breathing system with two re-sealable water traps and limb, ≥3.0m	12
2156000	22mm Compact, extendable breathing system with 2L bag and limb, ≥3.0m	25
2157000	22mm Compact, extendable breathing system with 2L bag and limb, ≥3.0m	25
2158000	22mm Compact, extendable breathing system with luer elbow, ≥3.0m	40
1526000	Compact, extension tube ≥2.0m	100

Make an enquiry

Sterile option available

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



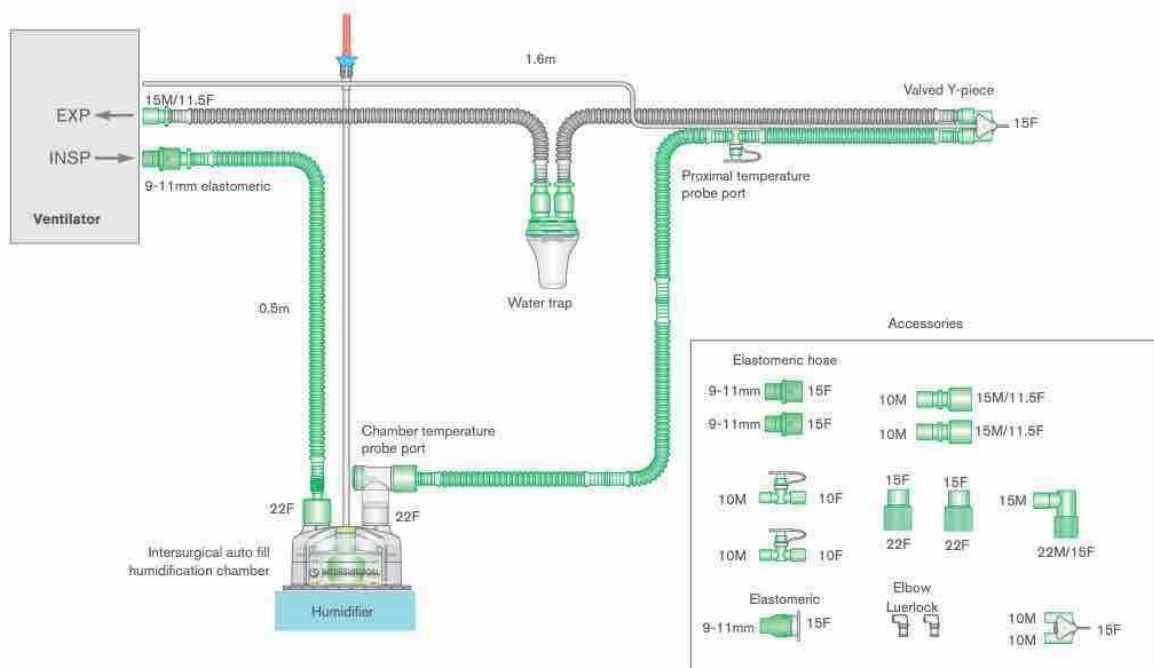
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## Universal breathing systems for neonatal/paediatric ventilators with 15M and non-standard machine connections

### 10mm and 15mm Flextube™ breathing systems for active humidification

A range of 10mm and 15mm Flextube single and dual heated wire breathing system for active humidification, set up for ventilators not covered in the previous pages. However, if you do not find a breathing system to suit your requirements please contact us.



#### Dual heated wire

👁 system illustrated

Code	Description	Box Qty.
4540810	10mm Flextube dual heated wire breathing system universal with Nitric Oxide adaptors, monitor line, auto-fill chamber and extra limb. $\geq 1.6\text{m}$	7
538810	10mm Flextube dual heated wire breathing system universal with Nitric Oxide adaptors, monitor line, auto-fill chamber and extra limb. $\geq 1.6\text{m}$	8
6393810	10mm Flextube dual heated wire breathing system universal with Nitric Oxide adaptors, monitor line, auto-fill chamber and limb. $\geq 1.2\text{m}$	7
4525850	15mm Flextube dual heated wire breathing system with extra limb. $\geq 1.6\text{m}$	15

#### Single heated wire

Code	Description	Box Qty.
4519810	10mm Flextube single heated wire breathing system universal with water trap, monitor line, auto-fill chamber and extra limb. $\geq 1.6\text{m}$	7
4523850	15mm Flextube single heated wire breathing system with water trap, monitor line and extra limb. $\geq 1.2\text{m}$	10

Make an enquiry

## Reservoir bags – single-use

We offer a range of single-use reservoir bags that have excellent compliance characteristics for use in various clinical applications. Available in a range of sizes and bag neck fittings, they are totally latex-free.

The range also includes two bags with our 'Baggins the Bear' symbol for use with paediatric systems. Please see our website for support material for paediatrics.



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

Code	Description	Box Qty.
2810000	Reservoir bag, 1L with anti occlusion cage mount, 22F neck	10
2811000	Reservoir bag, 1L with anti occlusion cage mount, 15F neck	10
2812000	Reservoir bag, 1L with anti occlusion cage mount and Baggins the Bear design, 15F neck	10 
2805000	Reservoir bag, 0.5L with anti occlusion cage mount, 15F neck	10
2806000	Reservoir bag, 0.5L with anti occlusion cage mount and Baggins the Bear design, 15F neck	10 

[Make an enquiry](#)


## Alterna™ reservoir bags with loop – reprocessable

A latex-free solution for those requiring reliable, high performing, synthetic products in the area of anaesthetic consumables. The bags are manufactured from chloroprene, a synthetic material with similar attributes to natural rubber (NRL), but without the associated danger of Type 1 (protein) allergies. The bags are autoclavable up to temperatures of 134 °C.



Code	Description	Box Qty.
8911000	Alterna, reprocessable reservoir bag, 1L with loop, 22F neck	1
8910000	Alterna, reprocessable reservoir bags, 0.5L with loop, 15F neck	1

[Make an enquiry](#)

 Baggins the Bear design



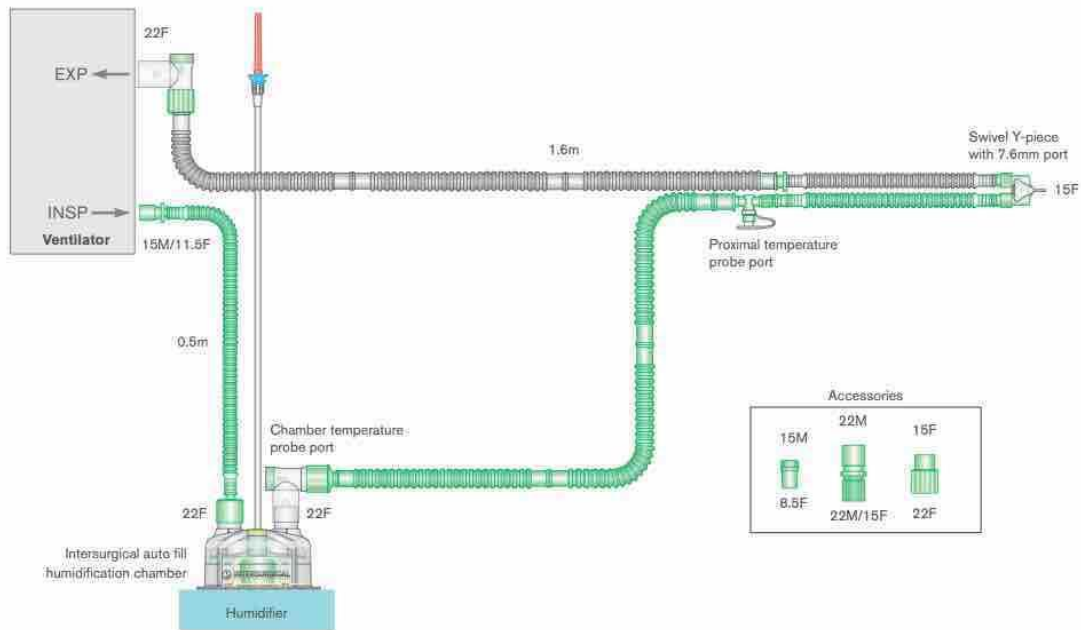
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## Universal breathing systems for paediatric/adult ventilators with 22M/15F machine connections

### 10mm and 15mm Flextube™ breathing systems for active humidification

A range of Flextube dual and single heated wire breathing systems for active humidification, set up for use with adult ventilators with 22mm machine connectors. However, if you do not find a breathing system to suit your requirements please contact us.



#### Dual heated wire

system illustrated

Code	Description	Box Qty.
6392850	10mm Flextube dual heated wire breathing system with extra limb. $\geq 1.6\text{m}$	15
6392810	10mm Flextube dual heated wire breathing system with auto-fill chamber and extra limb. $\geq 1.6\text{m}$	7
4504018	15mm Flextube dual heated wire breathing system with auto-fill chamber and extra limb. $\geq 1.2\text{m}$	7

#### Single heated wire

Code	Description	Box Qty.
6091850	10mm Flextube single heated wire breathing system with neonatal water trap and extra limb. $\geq 1.6\text{m}$	15
6091810	10mm Flextube single heated wire breathing system with neonatal water trap, auto-fill chamber and extra limb. $\geq 1.6\text{m}$	20
4504850	15mm Flextube single heated wire breathing system with water trap and extra limb. $\geq 1.2\text{m}$	10

Make an enquiry



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

Code	Description	Box Qty.
2810000	Reservoir bag, 1L with anti occlusion cage mount, 22F neck	10
 2811000	Reservoir bag, 1L with anti occlusion cage mount, 15F neck	10
2812000	Reservoir bag, 1L with anti occlusion cage mount and Baggins the Bear design, 15F neck	10 
2805000	Reservoir bag, 0.5L with anti occlusion cage mount, 15F neck	10
2806000	Reservoir bag, 0.5L with anti occlusion cage mount and Baggins the Bear design, 15F neck	10 

[Make an enquiry](#)


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Code	Description	Box Qty.
8911000	Alterna, reprocessable reservoir bag, 1L with loop, 22F neck	1
8910000	Alterna, reprocessable reservoir bags, 0.5L with loop, 15F neck	1

[Make an enquiry](#)

 Baggins the Bear design



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