

HMEs

HME

HumidStar® Plus moisture exchangers from Dräger partially take over the function of the upper airways and efficiently humidify the inspired air.

- High return of moisture
- Reduced condensation in the breathing circuit
- Minimal workload and low cost
- Sampling connector with tethered cap
- Transparent housing for visual control
- Standardized connectors for safe connection to other components
- Clear labeling and green color coding for quick identification



A	HME HumidStar® 55 Plus*, disposable, ~55 ml deadspace, 100 pcs.	MP05730
B	HME HumidStar® 25 Plus*, disposable, ~25 ml deadspace, 100 pcs.	MP05735
C	HME HumidStar® 2 Plus, disposable, 2 ml deadspace, 100 pcs.	MP05845
D	HME HumidStar® Trach Plus, disposable, 6 ml deadspace, 100 pcs.	MP05750

* Planned available in the first half of 2022.
For local availability please get in touch
with your local Dräger contact.

HMEs

SPECIFICATIONS

	HumidStar® 55 Plus	HumidStar® 25 Plus	HME HumidStar® 2 Plus
Part number	MP05730	MP05735	MP05845
Deadspace	55 ml	25 ml	2 ml
Recommended tidal volume	300 to 1500 ml	100 to 500 ml	10 to 50 ml
Bacterial retention	–	–	–
Viral retention	–	–	–
Filtration method	–	–	–
Moisture loss*	≤ 7.8 mg/l at VT = 500 ml	≤ 9.3 mg/l at VT = 250 ml	≤ 11.5 mg/l at VT = 45 ml
Moisture return	≥ 36.2 mg/l at VT = 500 ml	≥ 34.7 mg/l at VT = 250 ml	≥ 32.5 mg/l at VT = 45 ml
Resistance	≤ 0.6 mbar at 30 l/min	≤ 0.3 mbar at 30 l/min	≤ 1.2 mbar at 15 l/min
Maximum duration of use	24 hours	24 hours	24 hours
Product	PVC-free/ Latex free	PVC-free/ Latex free	PVC-free/ Latex free

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

*According to DIN EN ISO 9360-1 2009.

Air-Guard™

For use in respiratory systems and oxygen concentrators

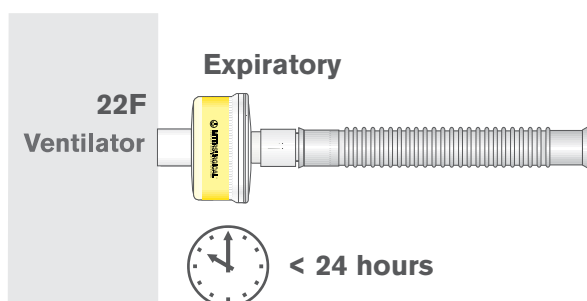
The Intersurgical Air-Guard is a hydrophobic pleated mechanical filter for the protection of oxygen concentrators and other respiratory equipment.

Providing an excellent level (>99.9999%) of protection against bacterial and viral challenges, the Air-Guard's product performance has been tested, validated and verified at independent microbiological laboratories.

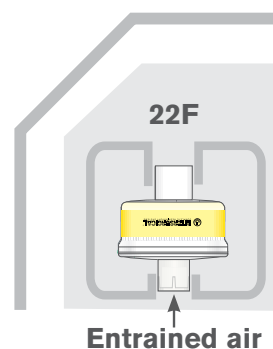
The Air Guard pleated mechanical filter is validated for 24-hours use but this can be extended when used in non-humidified gas flow. The product can be used for extended periods of time for the protection of oxygen concentrators, upon the discretion of the clinician.

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

Respiratory system protection



Oxygen concentrator protection




Air-Guard Clear

Code	1790000 (S*)
Box Qty.	50 (40*)
Filtration efficiency	>99.9999%
Resistance to flow at 30L/min	0.9cm H ₂ O
Resistance to flow at 60L/min	1.9cm H ₂ O
Compressible volume	120ml
Weight	56g
Connectors	22F-22M/15F
Minimum Tidal Volume	>360ml

[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).

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

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



BREATHING SYSTEM FILTERS AND HMEs

SPECIFICATIONS

	Filter/HME TwinStar® 90	Filter/HME TwinStar® 65A	Filter/HME TwinStar® 55	Filter/HME TwinStar® 25
Deadspace (mL)			55	
Recommended tidal volume (mL)			300 to 1,500	
Bacterial retention (%)**			99.999	
Viral retention (%)**			99.99	
Filtration method			Electrostatic	
Moisture loss* (mg H ₂ O/l air)			7.2@Vt 500 mL	
Moisture output (mg H ₂ O/l air)			36.8	
Resistance (mbar)			0.9 at 30 L/min	
Weight (g)			28	
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
Deadspace (mL)			
Recommended tidal volume (mL)			
Bacterial retention (%)**			
Viral retention (%)**			
Filtration method			
Moisture loss* (mg H ₂ O/l air)			
Moisture output (mg H ₂ 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 EN 9360-1:2009.

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

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 H₂O 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

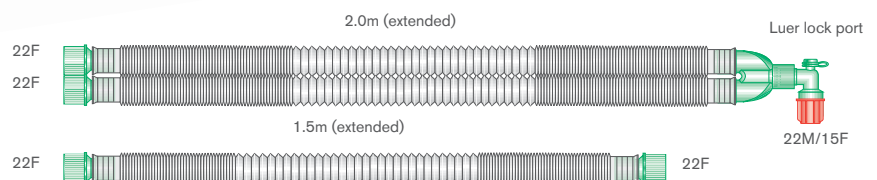
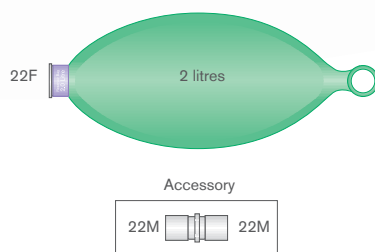
The compliance of the Compact system tube when extended is 4.4ml/kpa per metre of tube, which is less than that required in the ISO 5367:2000 standard.

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).




Contact us

info@intersurgical.com ▪ www.intersurgical.com

ClearLite™ anaesthetic face masks

A range of anaesthetic face masks which includes seven sizes to meet the clinical needs of all patient types and sizes. The range is available in sizes 0 neonatal to size 6 large adult. Due to the enhanced anatomical design, the ClearLite mask offers superior seal performance with minimum pressure, reducing the risk of unnecessary discomfort or potential trauma. The superior seal will also assist the clinician in

providing optimum manual ventilation of the patient in both the anaesthetic and emergency situation.

ClearLite is non-PVC and phthalate free which significantly minimises the impact upon the environment. 

Lightweight mask

Provides enhanced grip and comfort in use for the clinician

Anatomical shape

Provides a precise fit for different face types and sizes. Minimum pressure required to achieve an effective seal reducing the risk of inadvertent trauma and nerve damage

Crystal clear body

Provides excellent visibility for confirmation that the patient is well perfused

Reduced mask volume

Reduces potential rebreathing and risks associated with elevated levels of end tidal CO₂



Safe and secure connection

This is achieved between the mask and the breathing system in use. The ISO 22mm tapered connection complies with ISO 5356

Reduce waste

Available without a hook ring

Flexible non inflatable cuff

Provides a comfortable and effective airtight seal


Colour-coding

The comfortable, flexible seal is colour coded to allow quick and easy identification of the correct sized mask















Low environmental impact

Non-PVC and phthalate free



 Video available at www.intersurgical.com



Code	Code without hook ring	Description	Box Qty.
 7296000 <i>NEW</i>	7296001 <i>NEW</i>	ClearLite, anaesthetic face mask, size 6, extra large adult, red seal, 22F	20 
 7295000 <i>NEW</i>	7295001 <i>NEW</i>	ClearLite, anaesthetic face mask, size 5, large adult, orange seal, 22F	35 
 7294000 <i>NEW</i>	7294001 <i>NEW</i>	ClearLite, anaesthetic face mask, size 4, adult, green seal, 22F	35 
 7293000 <i>NEW</i>	7293001 <i>NEW</i>	ClearLite, anaesthetic face mask, size 3, small adult, yellow seal, 22F	35 
 7292000 <i>NEW</i>	7292001 <i>NEW</i>	ClearLite, anaesthetic face mask, size 2, paediatric, white seal, 22F	25 
 -	7291000 <i>NEW</i>	ClearLite, anaesthetic face mask, size 1, infant, grey seal, no hook ring, 15M	30 
 -	7290000 <i>NEW</i>	ClearLite, anaesthetic face mask, size 0, neonate, blue seal, no hook ring, 15M	40 

Make an enquiry

 Lower environmental impact product



Contact us

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