

Product Specifications

Type	BV Filter		HMEF	
Item	A501-1	A501-2	A501-4	
Version	Straight Adult	Straight Adult	Straight Pediatric	
Housing Material	Polystyrene+K-Resin	Polystyrene+K-Resin	Polystyrene+K-Resin	
Filtration Method	Electrostatic	Electrostatic	Electrostatic	
Filtration Efficiency BFE	99%-99.999%	99%-99.999%	99%-99.999%	
Filtration Efficiency VFE	99%-99.99%	99%-99.99%	99%-99.99%	
Resistance @ 20L/min	/	/	< 1.8cm H ₂ O (BFE99.999%, VFE99.99%) < 1.0cm H ₂ O (BFE99.9%, VFE99%)	
Resistance @ 30L/min	< 1.2cm H ₂ O (BFE99.999%, VFE99.99%) < 0.6cm H ₂ O (BFE99.9%, VFE99%)	< 1.5cm H ₂ O (BFE99.999%, VFE99.99%) < 0.8cm H ₂ O (BFE99.9%, VFE99%)	/	
Resistance @ 60L/min	< 2.6cm H ₂ O (BFE99.999%, VFE99.99%) < 1.5cm H ₂ O (BFE99.9%, VFE99%)	< 3.1cm H ₂ O (BFE99.999%, VFE99.99%) < 1.8cm H ₂ O (BFE99.9%, VFE99%)	/	
Tidal Volume Range	250-1500 ml	150-1500 ml	150-300 ml	
Effective Filtration Area	28.26cm ²	19.62cm ²	10.74cm ²	
Dead Space	32ml	45ml	20ml	
Connections	22M/15F - 22F/15M	22M/15F - 22F/15M	22M/15F - 22F/15M	
Sampling Port	Yes	Yes	Yes	
Weight	25±3g	26.5±3g	16±3g	
Dimensions	H: 65 ±1 mm W: 71 ±1 mm	H: 74 ±1 mm W: 59 ±1 mm	H: 69 ±1 mm W: 52 ±1 mm	
Operating Temperature	5°C - 40°C	5°C - 40°C	5°C - 40°C	
Storage Temperature	0°C - 55°C	0°C - 55°C	0°C - 55°C	
Recommended Use	≤24h	≤24h	≤24h	

Please visit www.hisern.com/en or contact us for more information.



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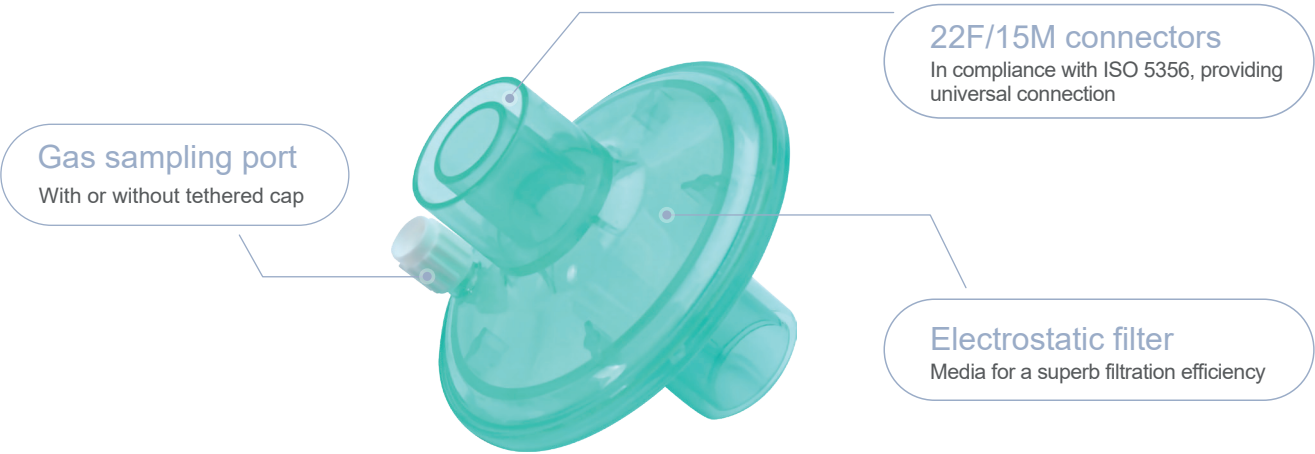
Disposable Bacterial / Viral Filter

510(k) No.:K151498



Bacterial/Viral Filter

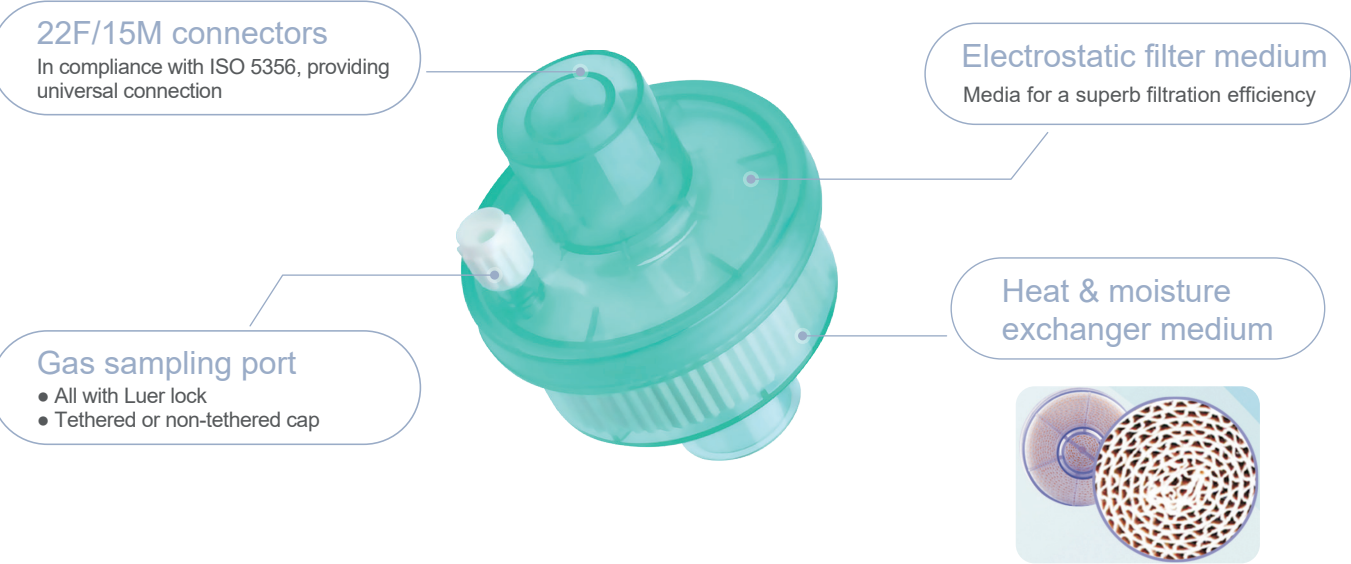
Hisern's Disposable Bacterial/Viral Filter is designed for use in breathing and anesthetic systems to help prevent cross infection to and from the patient. It is in compliance with standard ISO fittings which ensures a universal connections to different ventilators and anesthesia systems. Also, its high filtration efficiency of both bacterium and virus allows it to support your healthcare with all your clinical needs.



HMEF

HMEF consists of a Heat & Moisture Exchange medium that retains heat and moisture from the expiratory phase of breathing and returns a portion of both during the inspiratory phase. HMEF also contains an electrostatic filter media preventing microorganisms from entering the breathing circuit.

Hisern offers a range of configurations of HMEF to protect patients from cross infection and to warm and humidify inspired gases to avoid ventilation associated lung damage.



A501-1, Disposable Bacterial/Viral Filter, Adult

PN	Color	Series	Luer lock	Cap	Catheter Mount
H00609001	Transparant	Eco	None	No cap	None
H00609002	Transparant	Eco	Yes	White cap	None
H00609003	Transparant	Eco	Yes	Blue tethered cap	None
H00609004	Transparant	Eco	Yes	Green tethered cap	None
H00609005	Transparant	Pro	Yes	White cap	None
H00609006	Green	Eco	None	No cap	None
H00609007	Green	Eco	Yes	White cap	None
H00609008	Green	Eco	Yes	Green tethered cap	None
H00609009	Green	Pro	None	No cap	None
H00609010	Green	Pro	Yes	White cap	None
H00609011	Transparant	Pro	Yes	White cap	Yes



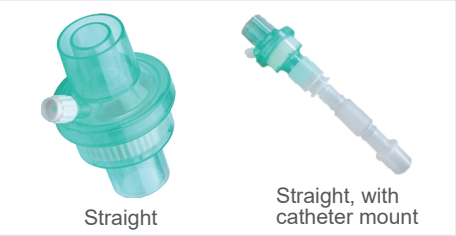
A501-2, Disposable HMEF, Adult

PN	Color	Series	Luer lock	Cap	Catheter Mount
H00609012	Green	Eco	Yes	White cap	None
H00609013	Green	Eco	Yes	Green tethered cap	None
H00609014	Green	Eco	Yes	Blue tethered cap	None
H00609015	Green	Pro	Yes	Green tethered cap	None
H00609016	Green	Eco	Yes	White cap	Yes
H00609017	Green	Pro	Yes	White cap	Yes



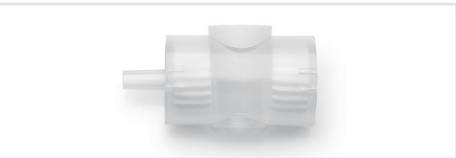
A501-4, Disposable HMEF, Pediatric

PN	Color	Series	Luer lock	Cap	Catheter Mount
H00609018	Green	Eco	Yes	White cap	None
H00609019	Green	Eco	Yes	Green tethered cap	None
H00609020	Green	Pro	Yes	Green tethered cap	None
H00609021	Green	Eco	Yes	White cap	Yes



A501-8, Tracheostomy HME, Adult

PN	Color	Series	Luer lock	Cap	Catheter Mount
H00609022	Transparant	Eco	None	No cap	None



Extra choices:

- Angled HMEF for adult.
- Different shell colors.
- Different Luer cap colors.
- Safety cap for catheter mount.

*For other customization needs, please contact Hisern's sales for details.

