



Bacterial/Viral **HME FILTERS**

Advanced Filtration, Humidification, and Patient Protection

The O-Two Bacterial/Viral HME Filter is designed to provide passive humidification while helping reduce the risk of microbial contamination between the patient, healthcare professionals, and respiratory equipment.

By retaining heat and moisture from exhaled gas and returning it during inhalation, the filter helps support airway humidification for intubated and mechanically ventilated patients.

Bacterial/Viral HME FILTERS



ORDERING INFORMATION

01CV1510-CS	Bacterial / Viral HME Filters	Case/50
01CV1500-CS	Bacterial / Viral Filter	Case/50

BACTERIAL/VIRAL HME FILTER

FILTER TYPE	Bacterial/Viral HME (Heat and Moisture Exchanger) Filter
FILTRATION TECHNOLOGY	Electrostatic filter with permanently bipolar charged fibers
HUMIDIFICATION ELEMENT	Paper or sponge HME element
MOISTURE OUTPUT	>35 mg H ₂ O/L at 500 mL tidal volume
CO ₂ MONITORING PORT	Luer-cap CO ₂ sampling port
BACTERIAL FILTRATION EFFICIENCY (BFE)	99.9999%
VIRAL FILTRATION EFFICIENCY (VFE)	99.999%
HOUSING MATERIAL	Polypropylene (PP) or SBC transparent body
BODY CONSTRUCTION	Ultrasonically welded without adhesives or glue
VISUAL INSPECTION	Transparent housing enables continuous visual monitoring
WEIGHT	~9g
DEAD SPACE	32.24 cm ³
FLOW RESISTANCE	Low-resistance design to support effective ventilation
REGULATORY STATUS	FDA 510(k) cleared
PERFORMANCE VALIDATION	Tested and validated by independent laboratories (Nelson Laboratories and TIMS Laboratories)
MANUFACTURING ENVIRONMENT	Produced in clean-room or sterile conditions

BACTERIAL/VIRAL FILTER SPECIFICATIONS

FILTER TYPE	Electrostatic Bacterial/Viral Filter
FILTRATION TECHNOLOGY	Permanently bipolar charged electrostatic fibers
BACTERIAL FILTRATION EFFICIENCY (BFE)	99.9999%
VIRAL FILTRATION EFFICIENCY (VFE)	99.999%
CO ₂ MONITORING PORT	Luer-cap CO ₂ sampling port
HOUSING MATERIAL	Polypropylene (PP) or SBC transparent body
BODY CONSTRUCTION	Ultrasonically welded without adhesives or glue
VISUAL INSPECTION	Transparent housing allows continuous visual monitoring
WEIGHT	~19g
DEAD SPACE	36 cm ³
FLOW RESISTANCE	Low-resistance design to support effective ventilation
MANUFACTURING ENVIRONMENT	Produced in clean-room or sterile conditions
VALIDATION	Filtration performance independently validated by international laboratories

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EC REP

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o_two controlled™
ventilation