



GIBECK HUMID-VENT® HEPA FILTERS

The ultimate solution: HEPA filter and HME in one

AT A GLANCE

- > 99.99999 % filtration
- HEPA class 13
- Humidification over 30 mg/l
- Filter media validated for Mycobacterium Tuberculosis, HIV & Hep. C
- Small & light-weight
- Low dead space
- Clear housing for visualization
- ISO standard connectors
- Attached CO₂ port
- Latex-free
- Phthalate-free
- PVC-free

** Bacteriostatic = prevents bacteria's and viruses from growing.*

Gibeck Humid-Vent HEPA combines advanced hydrophobic filtration performance with a high efficiency Heat & Moisture Exchanger (HME).

- Effective humidification is vital to maintain the cleansing of the airway
- Effective filtration is crucial to prevent patients, staff and equipment from cross-contamination

The Humid-Vent HEPA combines these two features in a low dead space and light-weight HMEF, being the ultimate solution for infection prevention.

GIBECK HEPA FILTER

The Gibeck HEPA media have been tested in several independent laboratories for efficient microbial protection. The pleated hydrophobic mechanical filter membrane gives the highest possible protection, >99,99999 %. It is also validated against several microbes, for example Mycobacterium Tuberculosis, Hepatitis C and HIV among other. According to the CEN filter standard the Gibeck HEPA media have received

HEPA classification 13, the highest classification available for pleated air breathing system filters for hospital use.

GIBECK HME MEDIA

Being the inventor of the first disposable Heat & Moisture Exchanger, GIBECK has over 35 years of experience in this field.

The double corrugated hygroscopic HME-media effectively reduce the moisture loss from the patient, retaining humidity in the airways.

Effective moisture control also minimizes the risk of colonization in the breathing circuits, as the moisture is effectively trapped in the HME to be returned to the patient's airways. To become even more effective the HME media are treated with natural calcium chloride, which also has a bacteriostatic effect*.



The new Humid-Vent HEPA now combines HEPA filtration with passive humidification:

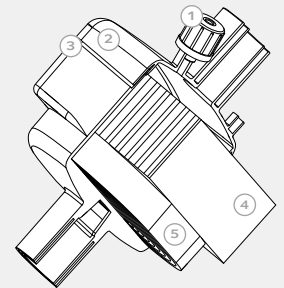
**"TWO IN ONE"
FOR INFECTION PREVENTION**

PRODUCT INFORMATION

HUMID-VENT HEPA

Gibeck

		
REF.	29 001 (sterile) 29 002 (clean)	29 001T (sterile) 29 002T (clean)
DEAD SPACE	81 ml	81 ml
WEIGHT	53 g	53 g
CONNECTORS	22M/15F – 22F/15M	22M/15F – 22F/15M
FILTER MEDIA	hydrophobic mechanical glassfibre paper	hydrophobic mechanical glassfibre paper
HUMIDIFICATION MEDIA	hygroscopic microwell paper	hygroscopic microwell paper
TIDAL VOLUME	300 – 1200	300 – 1200
RESISTANCE TO FLOW	at 30 l/min., 1.1 cm H ₂ O at 60 l/min., 2.6 cm H ₂ O	at 30 l/min., 1.1 cm H ₂ O at 60 l/min., 2.6 cm H ₂ O
MOISTURE LOSS	6.7 mg H ₂ O at V _T 500 6.6 mg H ₂ O at V _T 1000	6.7 mg H ₂ O at V _T 500 6.6 mg H ₂ O at V _T 1000
MOISTURE INPUT	30.3 mg H ₂ O at V _T 500 31.8 mg H ₂ O at V _T 1000	30.3 mg H ₂ O at V _T 500 31.8 mg H ₂ O at V _T 1000
TEMPERATURE	33.8°C at V _T 500 35.0°C at V _T 1000	33.8°C at V _T 500 35.0°C at V _T 1000
BACTERIAL EFFICIENCY	> 99,99999 %	> 99,99999 %
VIRAL EFFICIENCY	> 99,9999 %	> 99,9999 %
FILTER MEDIA EFFICIENCY FOR MYCOBACTERIUM TUBERCULOSIS	> 99,999 %	> 99,999 %
FILTER MEDIA VALIDATED AGAINST HIV	yes	yes
FILTER MEDIA VALIDATED AGAINST HEP C	yes	yes
HEPA CLASS	13	13
CO ₂ CAP	white luer lock	blue tethered cap
QTY (BOX/CASE)	80/20	80/20



DETAILS OF THE PRODUCT

- ① CO₂ port
- ② Filter hydrophobic machine side
- ③ HME hygroscopic patient side
- ④ Mechanical pleated filter media
- ⑤ HME microwell media

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