



Vincent
Medical

| inspired™

HMEF 1000 and 2000 series

Filtration:

Up to 99.9999% of bacterial filtration efficiency

Up to 99.99% of viral filtration efficiency

- High performance in moisture output
- Different sizes to meet all clinical requirements
- Use of standard 22/15 mm connections
- Optional sterile and non-sterile types
- Choices of filter media: paper or foam
- TOP5 best performing brand in the market ^[1]



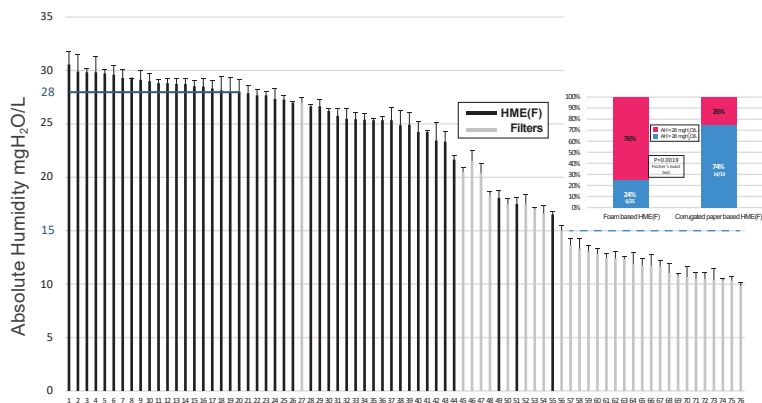
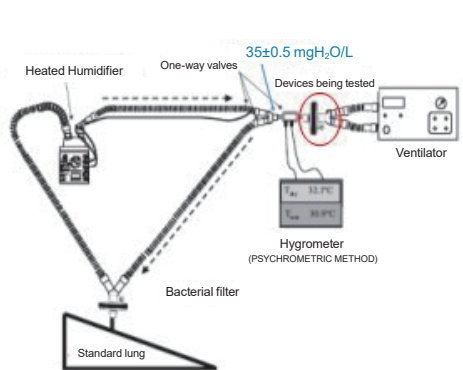
Scientific Publication

Test conditions

Expiratory humidity: $35 \pm 0.5 \text{ mg H}_2\text{O/L}$; Ambient air temperature $25 \pm 0.5^\circ\text{C}$

Ventilator settings: frequency 20 breaths/min, tidal volume 500 mL, FIO_2 0.21, PEEP 5 cm H_2O , square flow 60 L/min

Highlight: Inspired™ HMEF 2000 (51005971), HMEF 1000 (50497100, 51002873) provide absolute humidity of OVER 28 mg $\text{H}_2\text{O/L}$, which is above the average performance of common products in the market. ^[1] This derives them 3 of the top 20 best performing heat moisture exchange filters.



Absolute Humidity (AH) measurements with the psychrometric method for HME (F) (black bars) and Filters (grey bars). The humidity of 28 mg $\text{H}_2\text{O/L}$ (blue line) is considered a safe limit for prolonged mechanical ventilation. 76 products were evaluated for their expiratory humidity.

List of devices with humidity delivered above 28 mg $\text{H}_2\text{O/L}$ with the psychrometric method:

1- DAR Ref 352-5805, 2- Flexicare Ref 300-610-000, 3- Medisize Ref 300-100-000, 4- Flexicare Ref 300-210-000, 5- Drager Ref MP05800, 6- DAR Ref 354-5876, **7- Vincent medical Ref 51005971**, 8- DAR Ref 352-5877, 9- Flexicare Ref 038-41-355U, 10- Flexicare Ref 300-200-000, 11- Drager Ref MP05730, 12- Drager Ref MP01800, 13- Medisize Ref 300-600-000, **14- Vincent medical Ref 50497100**, 15- Medisize Ref HF55, 16- Flexicare Ref 300-605-000, 17- DAR Ref 352-5903, 18- Drager Ref MP05810, 19- Altech Ref AL-08016.V001, **20- Vincent medical Ref 51002873**

1. Lellouche, Francois, et al., Hygrometric performances of Heat and Moisture Exchangers and Filters - comparison of the psychrometric method and manufacturers data, ESICM 2023

Our Products



HMEF 1000 Straight
51002873



HMEF 1000 Angled
50400218



HMEF Midi Straight
51003841



HMEF Midi Angled
50400217



HME Trach Basic
51050901



HME Trach T
51050902



**Pressure Feedback
Line Filter**
51000400



BSF103
51008900



BSF201
50421500

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