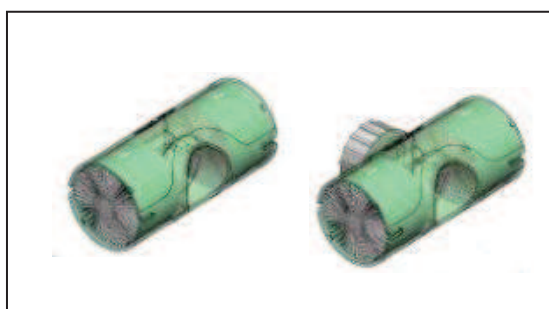


tHME Trachea Heat & Moisture Exchanger



Challenges

- Most patients with tracheostomy experience difficulty to breathe especially when a HME is applied.
- Most tracheal HMEs use 6mm tubing, which affects the comfort and stability when the patient moves.

Our Solutions

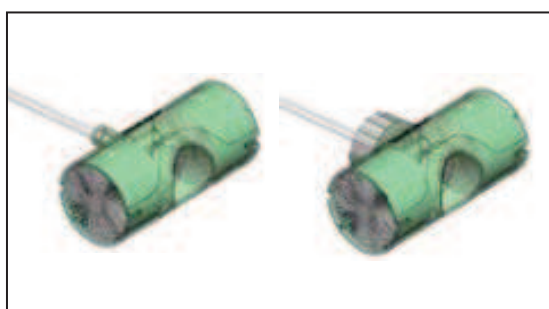
- Patented ABRM – Adjustable Breathing Resistance mechanism reduces the resistance when applied, simply adjust the level to increase efficiency of humidification and oxygen concentration.
- Using the flexible pig-tail tubing to increase the flexibility and comfort.
- Optional flow indicator makes sure the accuracy of oxygen supply level.

Specifications	HF12	HF14
Media	Paper	
Dead Space (ml)	11.8	
Minimum Tidal Volume (ml)	50	
Weight (g)	6.8	7.5
Moisture Loss@V _T 500ml (mg H ₂ O/L)	14.67	
Moisture Output@V _T 500ml (mg H ₂ O/L)	28.9	
Resistance@30lpm (cmH ₂ O)	0.23	
Compliance (ml/cmH ₂ O)	0.027	
Resistance Adjustment Knob	x	v

REF	Descriptions	Package
HF12	Tracheal HME	1 pc/pouch, 50 pcs/box
HF14	Tracheal HME with ABR Valve	

ABR Valve Position	Humidity Output (mg H ₂ O/L)
Closed	24.1
Semi-Open	21.3
Fully-Open	20.1

tHME Trachea Heat & Moisture Exchanger



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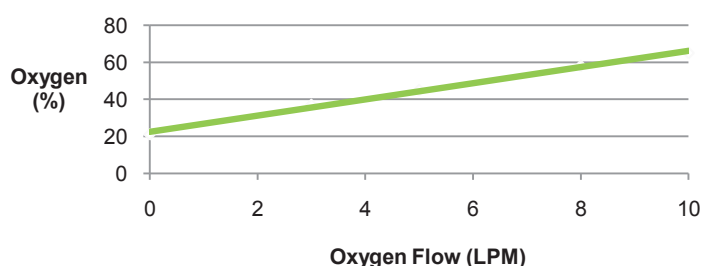
Our Solutions

- Patented ABRM – Adjustable Breathing Resistance mechanism reduces the resistance when applied, simply adjust the level to increase efficiency of humidification and oxygen concentration.
- Using the flexible pig-tail tubing to increase the flexibility and comfort.
- Optional flow indicator makes sure the accuracy of oxygen supply level.

Specifications	HF13	HF15
Media	Paper	
Dead Space (ml)	11.8	
Minimum Tidal Volume (ml)	50	
Weight (g)	6.9	7.7
Moisture Loss@V _T 500ml (mg H ₂ O/L)	14.67	
Moisture Output@V _T 500ml (mg H ₂ O/L)	28.9	
Resistance@30lpm (cmH ₂ O)	0.23	
Compliance (ml/cmH ₂ O)	0.027	
O ₂ Tubing (Luer connector)	v	v
Resistance Adjustment Knob	x	v

REF	Descriptions	Package
HF13	Tracheal HME with Tubing	1 pc/pouch, 50 pcs/box
HF15	ABR Tracheal HME with Tubing	

Inspired Oxygen Concentration vs Flow Rate



Test Conditions: Tidal volume 0.6L, 12 breath/min