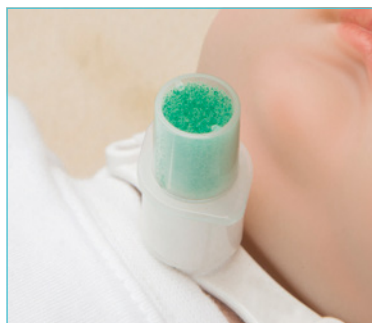




Hydro-Therm™ Micro HME



Airway Management ▪ Breathing Filters

Hydro-Therm™ Micro HME

In normal respiration the anatomy of the upper airway helps to warm and humidify the inspired air, and to retain the warmth and moisture contained in the expired air. During inspiration, even cold or dry gas is typically heated to 37°C degrees and when, fully saturated, contains 44mg H₂O per litre. In mechanical ventilation or anaesthesia, the patient's upper airway may be bypassed by the introduction of an artificial airway. As a result the patient's lungs may be confronted with cold dry inspired gas. The side effects of this are well documented and include, damaged cilia, thicker mucous, increased risk of tube occlusion and infection.

The Hydro-Therm Micro is a small volume, lightweight HME designed to replicate the functions of the body's upper airway by conserving expired heat and moisture and returning to the patient during inhalation.

The Hydro-Therm Micro is suitable for use on neonates and infants with a tracheostomy or for short term procedures and during transport.

Small and lightweight

Reduces the risk of inadvertent pull and drag on the patient's airway

Moisture return

Tested in accordance with ISO 9360, delivers a moisture return of 29.5mg H₂O/L

Low compressible volume

Reduces deadspace and potential rebreathing of expired Carbon Dioxide

Safety by design

Safely secures the position of the media throughout use

Low resistance to flow

Minimises the work of breathing

Suitable for use on neonatal and infant patients

with a tracheostomy, during transport or short procedures

Larger surface area of HME media

The open celled foam HME maximises moisture return with a low compressible volume



Safe and secure connections

Tapered connections, compliant with ISO 5356

Code	Description	Box Qty.
1442000	Hydro-Therm Micro HME	30
Moisture loss	9.2mg H ₂ O/L	
Calculated moisture return	29.5mg H ₂ O/L	
Resistance at 5L/min	0.3cm H ₂ O	
Resistance at 10L/min	0.8cm H ₂ O	
Dead space	2.2ml	
Minimum tidal volume	>8ml	
Weight	2.8g	
Connectors	15F/15M	



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The manufacturer Intersurgical Ltd is certified to ISO 9001:2015, ISO 13485:2016 and ISO 14001:2015

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