Tracheostomy HME range

Airway Management ▪ Heat and moisture exchangers (HMEs)

INTERSURGICAL®
COMPLETE RESPIRATORY SYSTEMS

Quality, innovation and choice

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Tracheostomy HME range

The Intersurgical tracheostomy HMEs offers a range of heat and moisture exchange devices designed for use with spontaneously breathing patients to reduce loss of heat and moisture during respiration.

When a patient has a tracheostomy, the normal process of temperature and moisture maintenance is bypassed by the insertion of the tracheal tube. The possible loss of heat and moisture can lead to serious complications, notably damage to cilia and the mucus glands. This in turn may result in retention of sputum and atelectasis, production of mucus plugs and potential tube occlusion.

The Intersurgical tracheostomy HME range has a number of unique features that make these ideal products for prolonged use with spontaneously breathing patients.

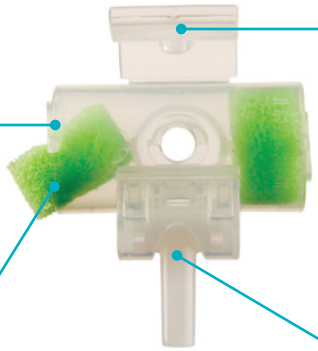
The Intersurgical tracheostomy HME range comprises of:

- Hydro-Trach™ T HME
- Inter-Therm™ T HME
- Inter-Therm T+ HME
- Hydro-Therm™ Micro HME

Hydro-Trach™ T HME

Clipped suctioning port
Allows for easier suctioning without removal of the device

Clear housing
For easy visual inspection for possible secretion build up



Small and lightweight
Reduces the pull on the patient connection

Anti-occlusion mechanism
Allows the HME element to partially dislodge in the event of total occlusion or vigorous cough

An integral swivel oxygen connector
Allows for connection of the oxygen tube without the need of a separate oxygen adapter, which can be easily folded away when not in use

Code	Description	Length	Box Qty.
1873000	Hydro-Trach T Mk II HME		25
1874000	Hydro-Trach T Mk II HME with swivel tube connector and oxygen tube	1.8 m	40

Code	1873000	1874000
Moisture loss	13.2 mg H_2O/L	13.2 mg H_2O/L
Moisture return	26 mg H_2O/L	26 mg H_2O/L
Resistance at 30L/min	0.3 cm H_2O	0.3 cm H_2O
Resistance at 60L/min	0.6 cm H_2O	0.6 cm H_2O
Compressible volume	17 ml	17 ml
Weight	8 g	8 g
Connectors	15ID	15ID
Minimum tidal volume	>60 ml	>60 ml
Accessories		1.8 m oxygen tube

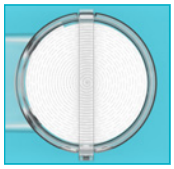
Average Fi O_2 at variable O_2 flow rates

Oxygen (L/min)	Fi O_2 at 15 BPM
1	26.4%
2	31.8%
3	35.0%
4	38.2%
5	41.8%
6	44.9%
7	47.4%
8	49.6%

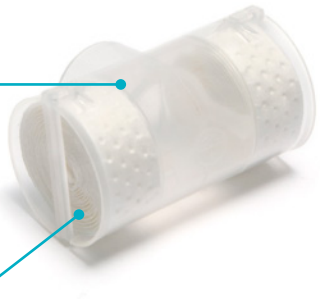
Make an inquiry | Watch the video

Inter-Therm™ T HME

Clear housing and white HME elements
Optimizes visualization of possible pulmonary secretions



Unique corrugated paper design
Provides perfect combination between humidification output and low resistance to flow



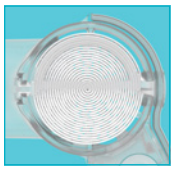
Small and lightweight
Reduces pull and drag on the patient's airway

Optimal humidification
Reduces the side effects associated with breathing cold dry gases over a prolonged period of time

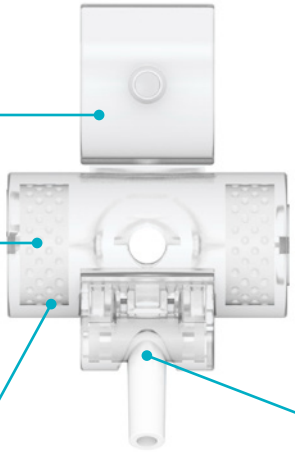
Inter-Therm™ T+ HME

Clipped suction port
Allows easy access for suctioning without removing the device

Clear housing and white HME elements
Optimises visualisation of possible pulmonary secretions



Unique corrugated paper design
Provides perfect combination between humidification output and low resistance to flow



Small and lightweight
Reduces pull and drag on the patient's airway

Optimal humidification
Reduces the side effects associated with breathing cold dry gases over a prolonged period of time

Integrated swivel oxygen connector
Allows for quick and convenient connection of supplemental oxygen and can be folded away when not in use

Code	Description	Length	Box Qty.
1875020 (S*)	Inter-Therm T HME		25 (100*)
1875000 (S*)	Inter-Therm T+ HME		25 (100*)
1875001 (S*)	Inter-Therm T+ HME with oxygen tube	1.8 m	40 (20*)

	Inter-Therm T	Inter-Therm T+	Inter-Therm T+
Code	**1875020 (S*)**	**1875000 (S*)**	**1875001 (S*)**
Moisture loss	11.9 mg H_2O/L	13.1 mg H_2O/L	13.1 mg H_2O/L
Moisture return	27.1 mg H_2O/L	26.1 mg H_2O/L	26.1 mg H_2O/L
Resistance at 30 L/min	0.3 cm H_2O	0.4 cm H_2O	0.4 cm H_2O
Resistance at 60 L/min	0.8 cm H_2O	1.1 cm H_2O	1.1 cm H_2O
Compressible volume	16 ml	17 ml	17 ml
Weight	5 g	9 g	9 g
Connectors	15ID	15ID	15ID
Minimum tidal volume	>60 ml	>60 ml	>60 ml
Accessories			1.8 m oxygen tube

Average Fi O_2 at variable O_2 flow rates

Oxygen (L/min)	Fi O_2 at 15 BPM
1	26.4%
2	31.8%
3	35.0%
4	38.2%
5	41.8%
6	44.9%
7	47.4%
8	49.6%

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Sterile option available (S*) Add an S to the seven digit code number for the sterile version of this product eg. 1875000S (sterile box quantity is shown in brackets).

Hydro-Therm™ Micro HME

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 29.5 mg H_2O/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
Minimizes 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 maximizes 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

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Code	1442000
Moisture loss	9.2 mg H_2O/L
Calculated moisture return	29.5 mg H_2O/L
Resistance at 5 L/min	0.3 cm H_2O
Resistance at 10 L/min	0.8 cm H_2O
Dead space	2.2 ml
Minimum tidal volume	>10 ml
Weight	2.8 g
Connectors	15ID/15OD

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