



Tracheostomy HME range



Airway Management • Heat and moisture exchangers (HMEs)

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 mucous glands. This in turn may result in retention of sputum and atelectasis, production of mucous 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

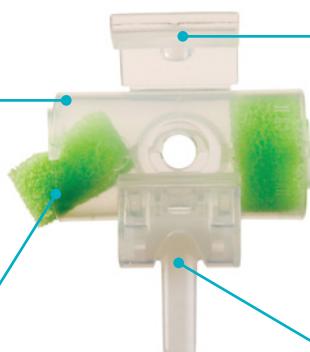
Clear housing

For easy visual inspection for possible secretion build up



Anti-occlusion mechanism

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



Clipped suctioning port

Allows for easier suctioning without removal of the device

Small and lightweight

Reduces the pull on the patient connection

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 (S*)	Hydro-Trach T Mk II HME		25 (100*)
1874000 (S*)	Hydro-Trach T Mk II HME with swivel tube connector and oxygen tube	1.8 m	40 (20*)

Average Fi O₂ at variable O₂ flow rates

Code	1873000 (S*)	1874000 (S*)
Moisture loss	13.2 mg H ₂ O/L	13.2 mg H ₂ O/L
Moisture return	26 mg H ₂ O/L	26 mg H ₂ O/L
Resistance at 30 L/min	0.3 cm H ₂ O	0.3 cm H ₂ O
Resistance at 60 L/min	0.6 cm H ₂ O	0.6 cm H ₂ O
Compressible volume	17 ml	17 ml
Weight	8 g	8 g
Connectors	15F	15F
Minimum tidal volume	>60 ml	>60 ml
Accessories		1.8 m oxygen tube

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

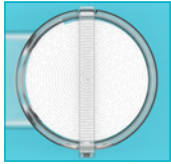
(S*) Add an S to the seven digit code number for the sterile version of this product eg. 1873000S (sterile box quantity is shown in brackets).



Inter-Therm™ T HME

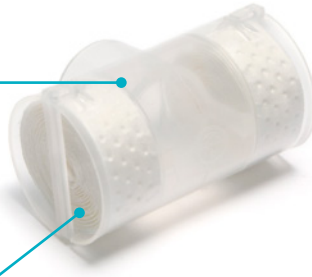
Clear housing and white HME elements

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

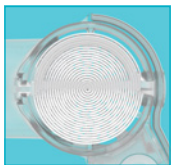
Inter-Therm™ T+ HME

Clipped suction port

Allows easy access for suctioning without removing the device

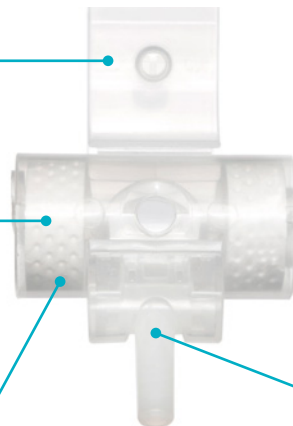
Clear housing and white HME elements

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*)

Code	Inter-Therm T	Inter-Therm T+	Inter-Therm T+	Average Fi O ₂ at variable O ₂ flow rates	
	1875020 (S*)	1875000 (S*)	1875001 (S*)	Oxygen (L/min)	Fi O ₂ at 15 BPM
Moisture loss	11.9 mg H ₂ O/L	13.1 mg H ₂ O/L	13.1 mg H ₂ O/L	1	26.4%
Moisture return	27.1 mg H ₂ O/L	26.1 mg H ₂ O/L	26.1 mg H ₂ O/L	2	31.8%
Resistance at 30 L/min	0.3 cm H ₂ O	0.4 cm H ₂ O	0.4 cm H ₂ O	3	35.0%
Resistance at 60 L/min	0.8 cm H ₂ O	1.1 cm H ₂ O	1.1 cm H ₂ O	4	38.2%
Compressible volume	16 ml	17 ml	17 ml	5	41.8%
Weight	5 g	9 g	9 g	6	44.9%
Connectors	15F	15F	15F	7	47.4%
Minimum tidal volume	>60 ml	>60 ml	>60 ml	8	49.6%
Accessories			1.8 m oxygen tube		

Make an enquiry

Watch the video

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 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

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Code	1442000
Moisture loss	9.2 mg H ₂ O/L
Calculated moisture return	29.5 mg H ₂ O/L
Resistance at 5 L/min	0.3 cm H ₂ O
Resistance at 10 L/min	0.8 cm H ₂ O
Dead space	2.2 ml
Minimum tidal volume	>10 ml
Weight	2.8 g
Connectors	15F/15M

IS12.27 • Issue 3 07.24



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

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