

AirLife® Edith HMEs

Provide humidification for different critical care and anesthesia applications



Heat and moisture exchangers (HME) are passive devices that conserve a patient's heat and moisture. To provide this conservation, our devices capture and retain the heat and moisture from a patient's expired breath and then release it into the next inspired breath. HMEs thereby help create normal conditions in patient airways and lungs, reducing the risk of breathing complications. Advantages to using HMEs instead of active humidification include:

- Low operating cost
- No capital investment requirements
- No condensed water in the patient circuit
- Easy use
- No cleaning requirements
- Simplified patient circuit

AirLife® Edith HMEs meet the HME requirements for adult and pediatric patients in the OR, intensive care unit and other respiratory care environments. The Edith Trach was specially designed to support tracheostomized patients, allowing spontaneously breathing patients to benefit from heat and moisture conservation. AirLife Edith HMEs feature:

- Minimal and stable moisture loss over time, helping ensure that patients conserve adequate heat and moisture
- Low breathing resistance, reducing work of breathing for the patient
- Low weight, adding to patient comfort and safety
- Low dead space, helping ensure adequate patient ventilation
- Latex-free materials, offering safer use with all patients
- Transparent housing, helping to determine when to replace the HME
- A wide range of products, meeting various requirements
- Design compliant with ISO standards, standardizing connector sizing

AirLife®



Technical data	Edith 500	Edith 1000	Edith 1500	Edith Flex	Edith Trach
Part numbers	557056200	557055200	557057200	557044500	557005000
Maximum tidal volume (mL)	500	1,000	1,500	1,500	1,000
Moisture output (mg H ₂ O/L)	32 ¹ /30 ¹	30 ¹ /29 ¹	31.5 ¹ /30.5 ¹	33.5 ¹ /32.5 ¹	24 ²
• Measured at VT (mL)	250/500	750/1,000	750/1,000	750/1,000	500
Moisture loss (mg H ₂ O/L)	5.5 ¹ /7.5 ¹	7.5 ¹ /8.5 ¹	6.0 ¹ /7.0 ¹	4.0 ¹ /5.0 ¹	13.5 ²
• Measured at VT (mL)	250/500	750/1,000	750/1,000	750/1,000	500
Pressure drop (kPa/cmH ₂ O)					
• At 30 L/min	0.08/0.8 ¹	0.1/1.0 ¹	0.1/1.0 ¹	0.05/0.5 ¹	–
• At 60 L/min	0.2/2.0 ¹	0.25/2.5 ¹	0.25/2.5 ¹	0.14/1.4 ¹	0.02/0.2
Dead space (mL)	17	28	38	90	16
Weight (g)	6	8	9	20	6
Connectors					
• Patient side	22 M/15 F	22 M/15 F	22 M/15 F	15 F	15 F
• Machine side	15 M	15 M	15 M	22 F	–

¹ Measured according to standard ISO 9360:2000. ² Moisture loss is determined using dry gas (*not room air*). These products are in conformity with the relevant provisions of the Council Directive 93/42/EEC, concerning medical devices, Annex I - Essential Requirements.

Changing frequency

Change the frequency of Edith HME use after every patient or every 24 hours when used continuously on the same patient.

Contraindications

Edith HMEs are contraindicated in patients producing fulminating, frothy secretions within their airways and lungs. Edith HMEs should not be used on patients with very small tidal volumes, such as neonates or very small children. They should not be used with active humidifiers or nebulizers.

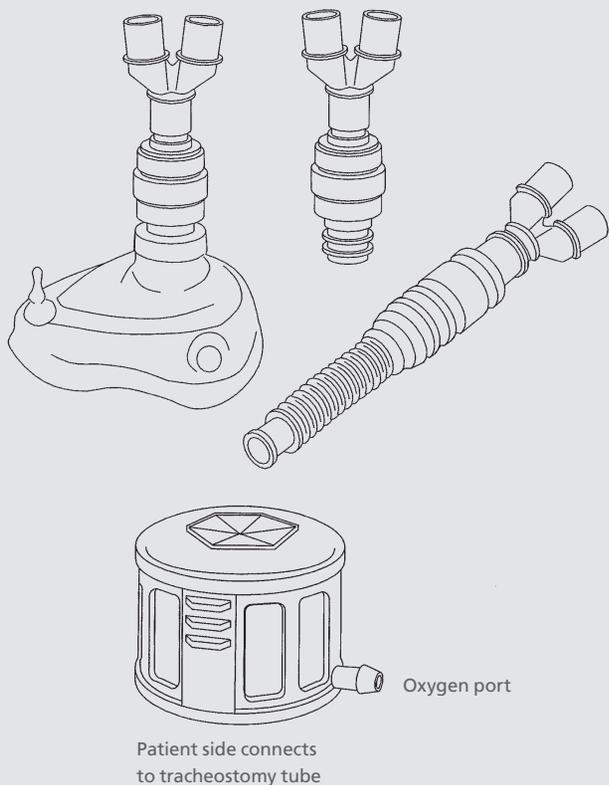
Connections

Edith HMEs intended for artificially ventilated patients should be placed between the proximal end of the artificial airway and the Y-piece of the breathing circuit. The Edith Trach should be placed on the tracheostomy tube.

Instructions for use

Always refer to the instructions for use, which accompany the device for detailed use information.

Suggested applications



CareFusion
Vernon Hills, IL

carefusion.com

