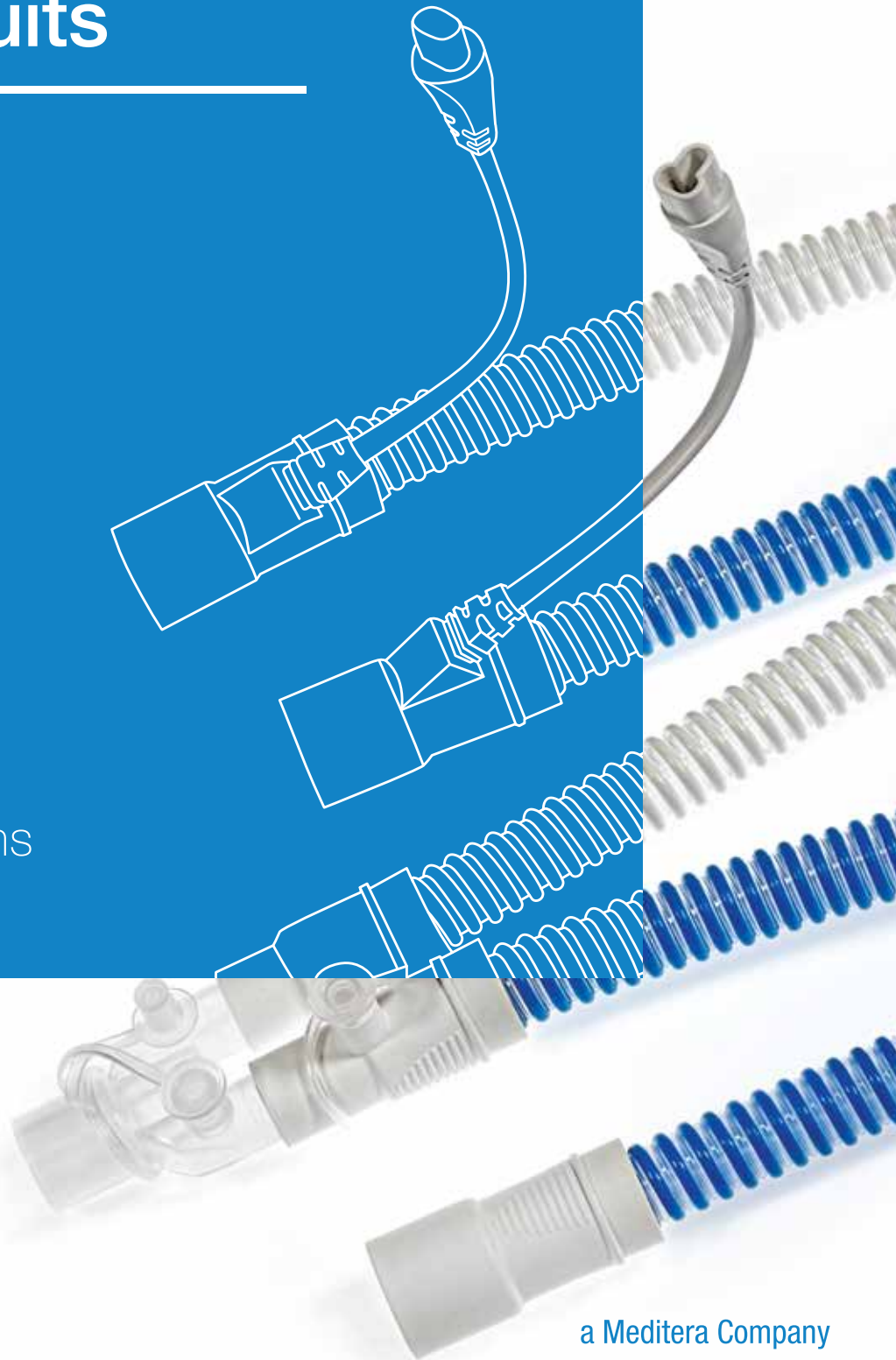


Embedded Heated Wire Circuits

altech[®]

Breathing Systems



a Meditera Company

Our Mission

To create a healthcare world brand from Izmir, a bridge between the medical sector and society by delivering low cost and user friendly solutions with the highest product-process-quality performance and to build up a culture of mutual trust and continuous improvement among our stakeholders.

Our Vision

Safe Work & Capable People

To provide an excellent work environment to our employees by consistently taking care about their safety and to provide training to develop their capabilities

Delivery

To maintain 100% customer satisfaction by punctual deliveries.

Quality Process

To establish a robust quality system that allows us to become a highly reliable and in compliance with regulations.

Financial

While our company increases its growth in sales, will also be focused on the continuous improvement of our financial management of costs and expenses to improve the cash flow.



1983

The Year Group was established

70 M

The Consolidated USD Turnover in 2015

78

The Number of Countries Group Exports To

590

Headcount

60.000 m²

Total Area

30.000 m²

Production Area

11

Cleanrooms

Embedded Heated Wire Circuits

ALTECH EMBEDDED HEATED WIRE CIRCUITS FOR CRITICAL CARE HUMIDIFICATION & VENTILATION

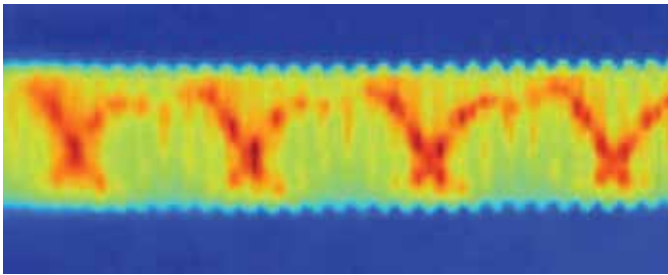
When the upper airway is bypassed during invasive mechanical ventilation, Artificial respiration with cold and dry respiratory gas causes mucus on the respiratory epithelium to become more viscous, within a short time impairing the functionality of the cilia . Humidification during mechanical ventilation is necessary to prevent inspissation of airway secretions, hypothermia, and atelectasis.

Altech's new active humidification system Embedded Heated Wire Circuits reduce condensation formation and ensures the patient receives optimally heated and humidified air. Integrated heated wires along the tube eliminate the cold interface between heated breathing gas and room temperature avoiding rain-out effects in the breathing circuit.

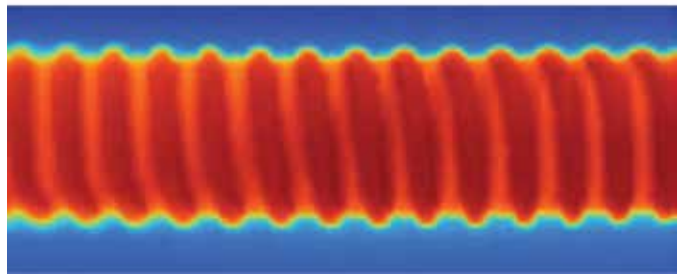
Uniform Heating Along The Tube

Traditional Active humidification circuits works with a heating element consisting of an electrical wire that passes inside the circuit itself which leads to creating hot and cold spots influenced by the ambient room temperature leading to high amount of condensation built-up.

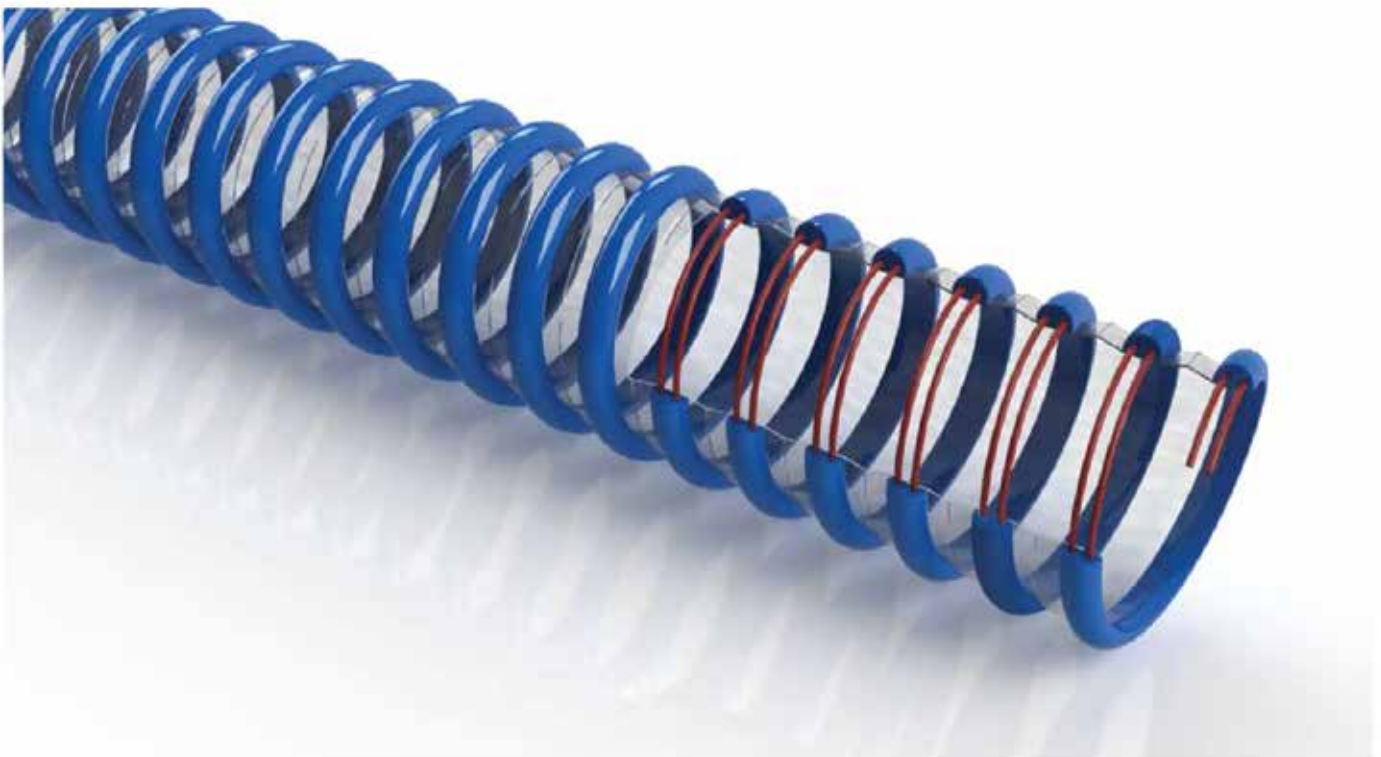
Altech's innovative embedded heated wire tube incorporate the heating element embedded in the outer armouring helix of the limb. By heating the wall of tube, circuit creates a uniform heating along the length of the tube hence uniformly heated, without "cold spots", preventing condensation build-up inside the circuit.



Conventional heater wires along the tube have cold spots which lead to condensation build-up



Embedded heater wires give uniform heating from outside to inside along the length of the tube hence providing 360 degrees warming of the tube



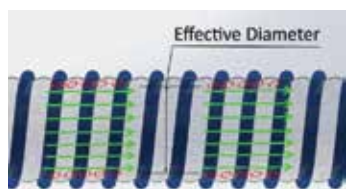
Less Risk of Contamination

By reducing the need to open the circuit to drain condensate, Altech Embedded Heated Wire Circuits minimize the need for draining excessive condensation thus eliminate the potential for the spread of pathogens associated with the development of ventilator-associated pneumonia (VAP)



Lower Resistance

Smoothbore inner surface creates superior flow conditions and enhance laminar air flow leading to enhanced patient comfort and therapy effectiveness . Absence of wires inside the tube also avoids pressure fluctuations , minimizes condensation related alarms.



Color Coded Tubes

For avoid any possible mistakes in the circuit setup, the circuit tubes are color coded (blue inspiratory limb / white expiratory limb)



Complete Range & Lightweight

Altech embedded heated wire circuits are available for all patient populations in the form of dual heated or single heated version with or without autofeed chamber .

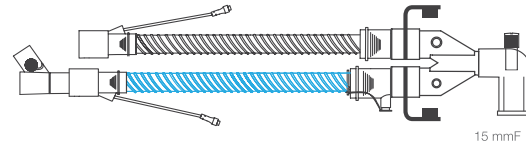
Ultra-lightweight and flexible enhancing patient comfort and minimizing accidental extubation risk .

- Adult (22mm tubing)
- Pediatrics (15 mm tubing)
- Neonatal (12 mm tubing)
- Dual Heated with / without autofeed chamber
- Single Inspiratory Heated & Expiratory Water Trap
- Pressure Line optionally included
- Universal Connector Kit for Ventilator Interface

Embedded Heated Wire Circuits

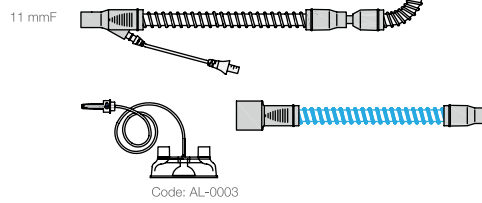
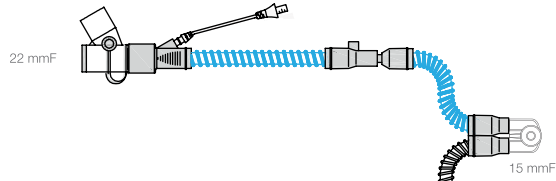
DUAL HEATED WIRE ADULT & PEDIATRIC CIRCUIT

	Length	Code	Qty/Box
Adult	170 cm/67"	AL-52602-020/2	25
Pediatric	170 cm/67"	AL-52702-020/2	25



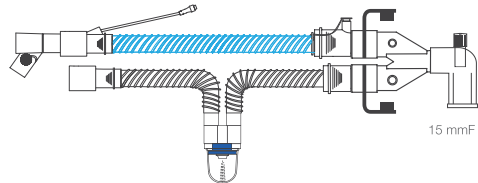
DUAL HEATED WIRE NEONATAL CIRCUIT

	Length	Code	Qty/Box
Neonatal Standart	170 cm/67"	AL-52802-020/2	25
Neonatal Incubator	170 cm/67"	AL-52902-020/2	25



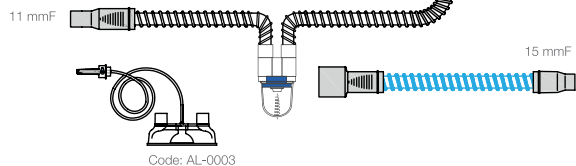
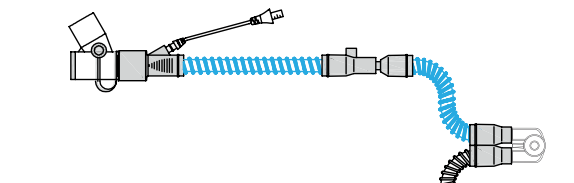
SINGLE HEATED WIRE ADULT & PEDIATRIC CIRCUIT

	Length	Code	Qty/Box
Adult	170 cm/67"	AL-42612-020/2	25
Pediatric	170 cm/67"	AL-42712-020/2	25



SINGLE HEATED WIRE NEONATAL CIRCUIT

	Length	Code	Qty/Box
Neonatal Standart	170 cm/67"	AL-42812-020/2	25
Neonatal Incubator	170 cm/67"	AL-42912-020/2	25



Factory

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Telephone : +90 232 237 59 49 (pbx) • **Fax**: +90 232 253 94 04