

Creating Support for Life

Flowkit

Breathing Circuits with
AquaVENT® VT Heated
Wire Technology



armstrongmedical.net

Invasive Ventilation



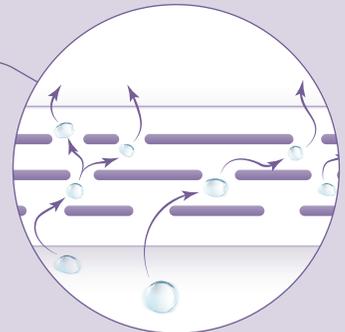
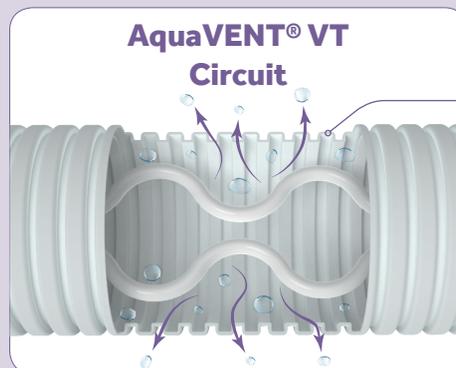
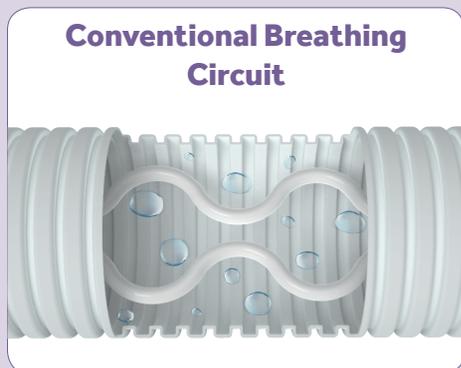
Optimal humidity is necessary in the management of invasively ventilated patients. With active humidification systems, water in the expiratory limb is a common problem.

Flowkit breathing circuits with **AquaVENT® VT** technology provide humidity for the patient and a dry expiratory limb for staff.

3 benefits of AquaVENT® VT

- 1** | The patented AquaVENT® Heated Wire design minimises loss of water vapour in the inspiratory limb, delivering optimal humidification to the patient.
- 2** | The unique layered properties of the expiratory limb achieves a high Moisture Vapour Transition Rate (MVTR), providing a dry expiratory limb.
- 3** | BioCote® antimicrobial silver additive limits the number of microbes on the surface of the breathing circuit, protecting it from microbial colonisation.





Vapour Transition (VT) how does it work?

- 1** | The high Moisture Vapour Transition Rate (MVTR) is achieved through the unique properties of the layered tubing structure of the expiratory limb.
- 2** | In the presence of breathing circuit pressurisation and active heating of the expiratory limb, water vapour navigates a path through the layered structure of the tubing.
- 3** | Water vapour is released to atmosphere – as water vapour or as condensed water.
- 4** | The expiratory limb is absent of condensed water at ambient temperatures down to 20°C.
- 5** | This process of vapour permeability is not associated with loss of gas volume from the breathing circuit. It has no effect on ventilator performance/ effectiveness under any clinical conditions.



AquaVENT® Heater Humidifier

The AquaVENT® Heater Humidifier is used to warm and humidify gases delivered to patients who require respiratory support via a tracheal tube, face mask or nasal cannula.

The system includes:

1. Invasive or non-invasive mode selection
2. Automatic temperature selection
3. Low and high temperature alarm
4. Over-temperature protection
5. Real-time temperature tracking display allows heated plate, chamber and airway temperature to be viewed
6. Digital display
7. Servo-controlled

Non-invasive Ventilation

Customise and simplify
to reduce waste.



Patient Interface



Breathing Systems



Humidifier/
Flow drivers



Airway
Clearance



- **HFOT**



- **CPAP**

- **Bi-Level**

MMSI



McARTHUR
MEDICAL SALES INC.

1846 5th Concession W.,
P.O. Box 7, Rockton, ON LOR 1X0
Tel.: 519-622-4030
Toll: 1-800-996-6674
Fax: 519-622-142
mmsi@mcarthurmedical.com
www.mcarthurmedical.com