

ventimyst®



Ventilator Breathing Systems  
with Advanced Active Humidification

**flexicare**  
TOTAL QUALITY - TOTAL CARE



## VentiMyst® Advanced Active Humidification **delivers absolute humidity and manages** excess rain-out

The use of respiratory humidifiers and heated wire breathing circuits for active humidification offers many benefits, but can also lead to problems caused by rain-out.

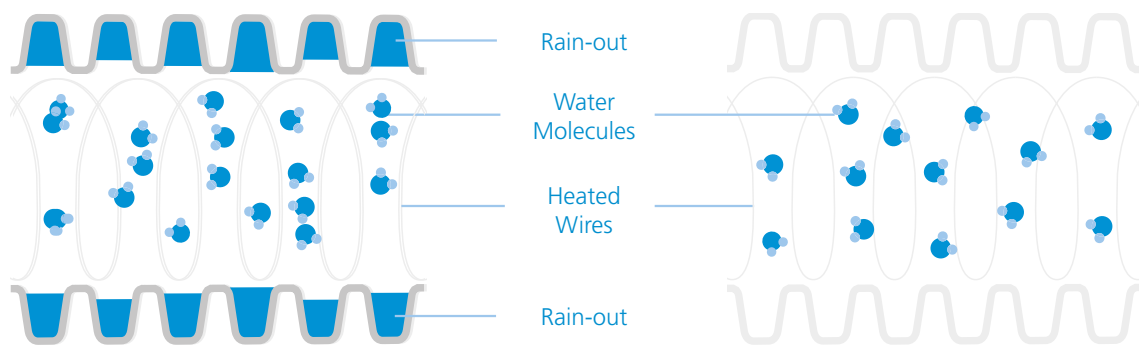
VentiMyst® addresses these problems by preventing the build-up of rain-out in the expiratory limb.

### Benefits of reduced rain-out with VentiMyst®

- Lower risk of contamination reaching either the ventilator or the patient
- Minimises need to open or break the circuit to remove excess rain-out, therefore decreasing the risk of Ventilator Acquired Pneumonia<sup>1</sup>
- Less risk of increased resistance to gas flow from fluid build-up in the expiratory limb or filter<sup>2</sup>

## VentiMyst® Moisture Management Technology

Reduced build-up of rain-out compared with standard corrugated heated wire limbs.



Standard Corrugated Heated Wire Limb  
with rain-out pooling in the limb corrugations

ventiMyst®  
No build-up of rain-out



## Advanced Active Humidification with Reduced Rain-out<sup>3</sup>

### Effective Moisture Management

The VentiMyst® technology reduces the build up of rain-out.

### Reduced Patient Risk

Reduced risk of accidental drainage of rain-out into the patient's airway.<sup>4</sup>

### Double Valve Auto-Fill Chamber

Two independent floats and primary and secondary valves regulate water flow into the chamber and provide assured protection against overfilling.

### Clinical Confidence

Reduced need to open or break the circuit with associated loss of PEEP and de-recruitment of the lungs.<sup>5</sup>

### Low Compliance Tubing

Accurate delivery of gas volumes and ventilation pressures to the patient.

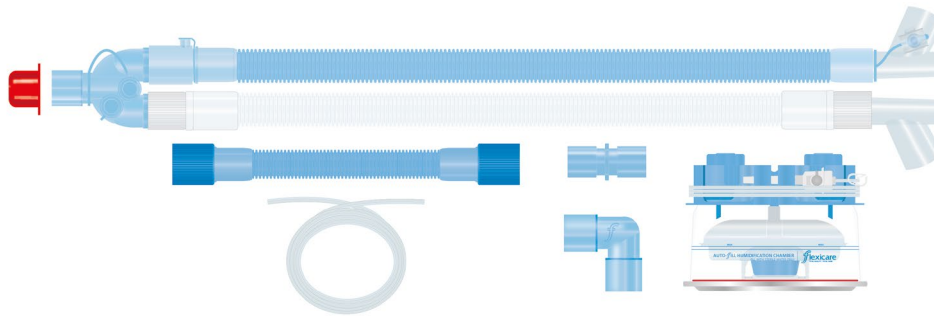
### Temperature Transfer Efficiency

Helps prevent gas temperature loss and surface cold spots, minimising rain-out.



## References

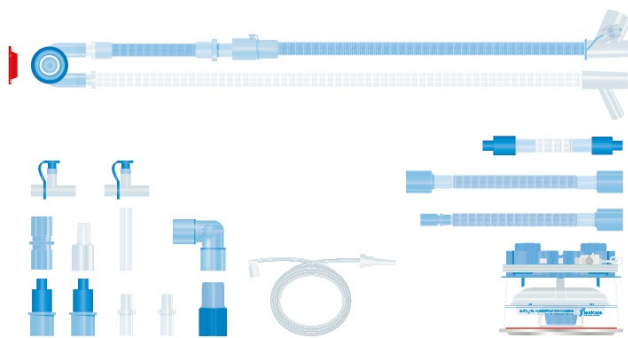
- <sup>1</sup> MV Pravin Charles, et al. *Ventilator-associated pneumonia*. Australasian Medical Journal. 2014; 7(8): 334–344
- <sup>2</sup> A. R. Wilkes. *Heat and moisture exchangers and breathing system filters: their use in anaesthesia and intensive care. Part 2 – practical use, including problems, and their use with paediatric patients*. Anaesthesia, 2011, 66, 40–51
- <sup>3</sup> Data on file. Flexicare Medical Limited
- <sup>4</sup> AARC Evidence-based clinical practice guidelines: care of the ventilator circuit and its relation to ventilator-associated pneumonia. Respiratory Care 2003;48(9):869-879.
- <sup>5</sup> J Mallett , J.W Albarran, A Richardson. *Critical Care Manual of Clinical Procedures and Competencies*. Wiley Blackwell & Sons, Ltd. 2013.



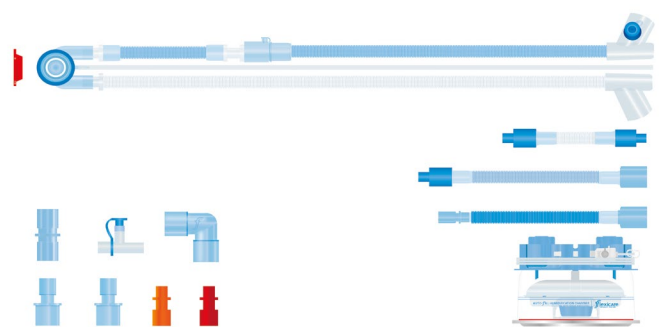
## ventiMyst® Adult

038-31-252

038-31-252	<b>VentiMyst® Adult Dual Heated Wire with Pressure Line - Kit 1</b> Adult 22mm Dual Heated Wire Breathing System 1.6m, VentiMyst® Corrugated Expiratory Limb, Y-Piece with MDI Port and Pressure Port, 0.5m Limb, Pressure Line, 22M/22M,15F Connector, 22F/22M Elbow & Auto-Fill Chamber	10
038-31-253	<b>VentiMyst® Adult Dual Heated Wire without Pressure Line - Kit 2</b> As above without Pressure Line	10



038-33-252



038-33-252/S

## ventiMyst® Neonatal

038-33-252	<b>VentiMyst® Neonatal Dual Heated Wire with Auto-Fill Chamber - Kit 1</b> Neonatal 15mm Dual Heated Wire Breathing System 1.6m, VentiMyst® Corrugated Expiratory Limb, Y-Piece with Suction Port, 0.3m Incubator Extension 15mm, 8M/8F Ported T-Pieces, 22M/22M,15F Connector, 8M/15M Connector, Adapter Tube, 22F/22M Elbow, 9-11F/22M,15F Connectors, 10M,8F/15M,11F Connectors, 15F/22F Heated Wire Adapter, Detachable Pressure Line, 0.15m Limb 9-11F/9-11F, 0.6m Limb 22F/22F, 0.6m Limb 15M,11F/22F & Auto-Fill Chamber	10
038-33-253	<b>VentiMyst® Neonatal Dual Heated Wire without Chamber - Kit 2</b> As above without Humidification Chamber	10
038-33-252/S	<b>VentiMyst® Neonatal Dual Heated Wire for SLE Ventilator with Auto-Fill Chamber - Kit 1</b> Neonatal 15mm Dual Heated Wire Breathing System 1.6m, VentiMyst® Corrugated Expiratory Limb, Y-Piece with Suction Port & Fixed Pressure Line, 0.3m Incubator Extension 10mm, 22M/22M,15F Connector, 8M/8F Ported T-Piece, 22F/22M Elbow, 15M-22M/15F Connectors, Red & Amber Flow Restrictors, 0.15m Limb 9-11F/9-11F, 0.6m Limb 9-11F/22F, 0.6m Limb 15M,11F/22F & Auto-Fill Chamber	10
038-33-253/S	<b>VentiMyst® Neonatal Dual Heated Wire for SLE Ventilator without Chamber - Kit 2</b> As above without Humidification Chamber	10

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