



# HAMILTON-H900

Intelligent humidification for all patient groups



Swiss  
Quality

**HAMILTON**  
**MEDICAL**

Intelligent Ventilation since 1983



## We live for ventilation technology

We live for ventilation technology that helps caregivers improve the lives of their critically ill patients. We believe that innovation is essential to meet the demands of critical care. To us, innovation is about realizing visionary new ideas and continuously improving existing products, always keeping patient safety and ease of use in focus.

We learn from our customers and from multi-disciplinary experts. And we invest in long-term research and development. We develop Intelligent Ventilation solutions: devices and consumables for the ventilation of all critically ill patients – from neonates to adults.

Jens Hallek  
President

Bob Hamilton  
Member of the board

## Meet the HAMILTON-H900

The HAMILTON-H900 humidifier has been developed with focus on ease of use and patient safety allowing you to focus on the important aspects of patient care.

An innovative two-step setup helps you get started quickly. All connections for the humidifier are contained in a single breathing circuit set, which enables one-handed operation.

The HAMILTON-H900 can be used with all common mechanical ventilators and flow drivers.

Due to the ergonomic design, the user interface is easily visible and provides all the necessary information at a glance.

- ✓ Integrated temperature probe
- ✓ Wall-heated, all-in-one breathing circuits
- ✓ Adjustable temperature and humidity settings
- ✓ Remote access to humidifier controls and status\*
- ✓ Predefined settings for invasive, noninvasive and high flow therapy

\* Not available in all markets





#### Less risk of cross contamination

By reducing the need to open the circuit to drain condensate, the HAMILTON-H900 minimizes the potential for the spread of pathogens associated with the development of ventilator-associated pneumonia (VAP).<sup>1,2</sup>

#### Automatic connection checks and water-level detection

The HAMILTON-H900 automatically checks each tube connection, as well as identifying the water chamber and circuit types. In addition, the humidifier automatically detects high and low water levels, and generates an alarm when it is running low on water. Ensuring the patient is always ventilated with humidification protects the functionality of mucociliary clearance.

#### Reduced cost of ownership

Over the lifetime of a humidifier, the initial investments are relatively small. Cost-driving factors include circuits, cables, temperature probes, and time and effort for cleaning and reprocessing. With the HAMILTON-H900, expensive replacements for lost or broken temperature probes and cables are a thing of the past.

1 Alp, Emine, and Andreas Voss. "Ventilator Associated Pneumonia and Infection Control." *Annals of Clinical Microbiology and Antimicrobials* 5 (2006): 7. PMC. |  
2 Craven DE, Goularte TA, Make BJ. "Contaminated condensate in mechanical ventilator circuits. A risk factor for nosocomial pneumonia?" *AmRevRespirDis*. 1984 Apr; 129(4) 625-628. PMID: 6585160.

## Product overview

- 1 Smooth-bore wall-heated tubes
- 2 All-in-one connector
- 3 Tube wall integrated temperature probe
- 4 Optical water-level detection
- 5 Visual alarm indicator





## Remote access to humidifier controls and status\*

The ventilator connectivity option allows you to operate the humidifier using any compatible Hamilton Medical ventilator. All the controls, monitoring parameters, and alarms are available, and can be set as required from the ventilator. Full integration of humidifier monitoring into patient data management systems is also provided.

When used with a compatible ventilator, the humidifier can automatically select the humidification mode (invasive, noninvasive, or high flow) based on the selected ventilation mode.

\* Not available in all markets

## Various therapies for all patient groups

The HAMILTON-H900 is designed to provide humidification and heating of medical gases for adult, pediatric, and neonatal patients – with all commonly used respiratory therapies:

- ✓ Invasive ventilation
- ✓ Noninvasive ventilation
- ✓ High flow oxygen therapy
- ✓ nCPAP and Bubble CPAP

The preassembled breathing circuit sets can be used for up to 28 days and include a temperature probe, water refill tube, Y-piece, and water chamber. Dual limb and single limb sets are available as single-use or autoclavable items.

- ✓ Low compliance and flow resistance
- ✓ Integrated temperature probe and heater wires
- ✓ Detachable, unheated extension for use in incubators
- ✓ Availability of breathing circuit sets on [www.hamilton-medical.com/e-catalog](http://www.hamilton-medical.com/e-catalog)





More information:  
[www.hamilton-medical.com/HAMILTON-H900](http://www.hamilton-medical.com/HAMILTON-H900)



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**MEDICAL**  
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