

# VHB20

## ► First Class Active Humidification Real Time Servo Controlled Relative Humidity Monitoring

- First humidifier equipped with a **humidity sensor & real time RH% display**
- **Proprietary individual expiratory heated wire control** for optimal condensation reduction
- Intuitive, simple & informative user interface
- Compatible with a wide range of breathing systems in the market
- Enhanced alarm system with clear indication
- **Patented Vent-X Technology** to control condensation by wicking excessive moisture particles out of the patient circuit



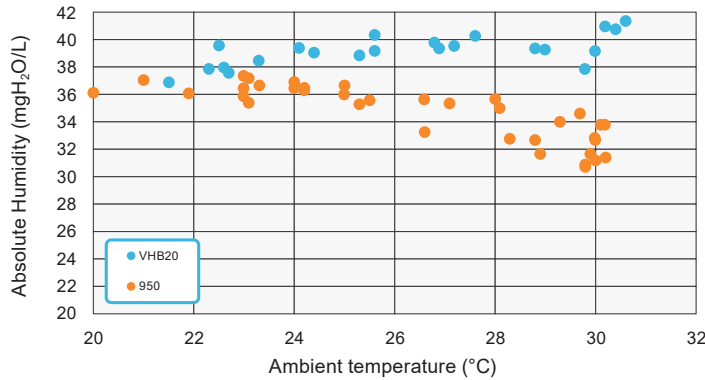
# Scientific Research

**inspired™ VHB20 has been proven to have superior performance in humidity output at patient receiving end**

## Test conditions

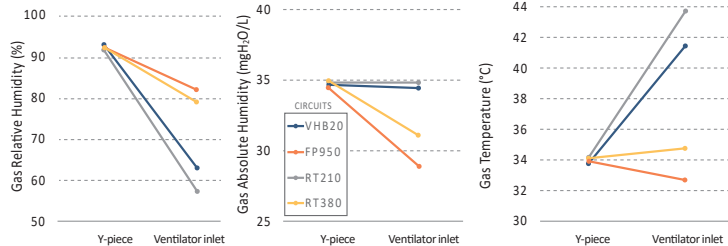
**Flow rate=60LPM, Normal ambient temp.: 22–24°C, High temp.: 28–30°C**

- VHB20 able to deliver Absolute Humidity of 35-39mgH<sub>2</sub>O/L which exceeds MDR standard of 33mgH<sub>2</sub>O/L at various ambient temperature & minute ventilation<sup>[1]</sup>.
- VHB20's Absolute Humidity output is stable across a wide range of ambient temperature.
- Humidity output of VHB20 is superior to that of F&P's 950 & MR850<sup>[2]</sup>.



1. Minute ventilation: A measurement of the amount of air that enters the lungs per minute
2. Lellouche, Francois, et al., Evaluation of the performances of new generation of heated wire humidifiers. Respiratory Care Journal Vol.68, Issue 10. 2023

In addition to its superior humidity output, the VHB20 also adopts a condensation control strategy of increased temperature in the expiratory limb, allowing a reduction of the relative humidity to limit the risk of condensation.<sup>[3]</sup>



**Figure:** Mean Relative Humidity, Absolute Humidity and gas Temperature measured at the Y-piece and at ventilator inlet with different circuits used with VHB20, FP950 and MR850 (RT210 and RT380, Evaqua2) heated humidifiers.

3. Lellouche, Francois, et al., Evaluation of expiratory humidity with different heated humidifiers circuits, Respiratory Care Journal Vol.68, Issue 10. 2023

## Consumables



inspired™ IIC Infant



Embedded Heated Wire Circuit



inspired™ IIC Adult



VHC10



VHC20



VHC25

Contact us for more information

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