



## Hamilton C1 Ventilator Now With Neonatal Option



Hamilton Medical has announced that the HAMILTON-C1 ventilator now offers a neonatal option with lung protective strategies and adaptive ventilation modes to ensure that each baby receives treatment tailored to its specific needs. Requiring minimal space, the HAMILTON-C1 combines high reliability, ease-of-use and maximum mobility with optimal performance.

With tidal volumes as low as 2 ml, the HAMILTON-C1 provides effective, safe, and lung-protective ventilation for even the smallest preterm infants. The proximal flow sensor, specifically developed for neonates, precisely measures the pressure, volume, and flow directly at the infant's airway opening, and therefore ensures the required trigger sensitivity. This provides improved synchronisation and less work of breathing.

Leaks due to uncuffed tubes are one of the biggest problems in the ventilation of neonates. The intelligent leak compensation automatically adjusts the inspiratory and expiratory trigger sensitivity to potential leaks. This enables optimal synchronisation with the neonate's breathing pattern.

The nCPAP modes of the HAMILTON-C1 are designed such that you only need to set the desired CPAP pressure. The flow is subsequently adjusted automatically based on the patient condition and potential leaks. This prevents unintended peak pressures and guarantees highly efficient leak compensation. Flow adjustment occurs very rapidly due to near-patient pressure measurement and the high sensitivity of the measurement.

The HAMILTON-C1 ventilator is currently available in EU and EFTA member states and other countries that recognise CE marking.

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