



IntelliCuff®

The clever way to manage cuff pressure

Continuously optimized and controlled cuff pressure supports ventilation therapy and protects your patients from VAP and tracheal injuries¹.

IntelliCuff continuously measures and automatically maintains the cuff pressure during mechanical ventilation of adults, pediatrics, and neonates using a cuffed endotracheal tube or tracheostomy. It secures airway management in typical clinical scenarios, either as a standalone device for all mechanical ventilators or as an integrated solution for the HAMILTON-G5/S1* and the HAMILTON-C6*.

Your benefits of automatic cuff pressure monitoring:

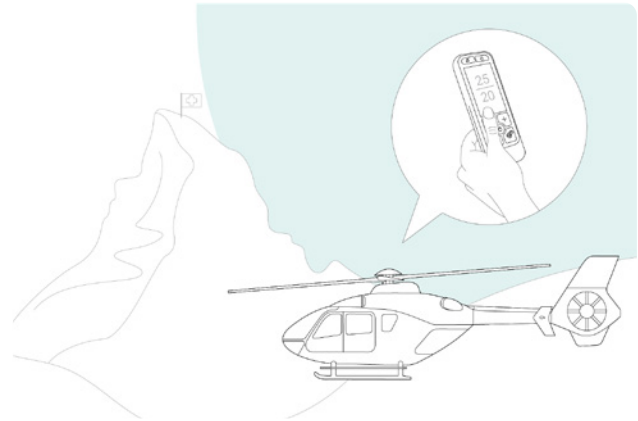
- ✓ Reduced microaspiration frequency²
- ✓ More accurate cuff pressure monitoring and adjustment^{3,4,5}

1. Lorente L, et.al. Crit Care. 2014 Apr 21; 18(2):R77 | 2. Baoming L, et. al. J. Math. Med. 2016; Vol. 29 No. 5 | 3. Jing B, J. Medical Journal. 2018 Feb; 2018 Vol. 39 No. 2 | 4. Noda K, et.al. Clin case rep. 2021; 9:1500–1503 | 5. Ommid M, et.al. Int. J. of health and clinical research, 2021; 4(7):242-247

* Optional for HAMILTON-G5 and HAMILTON-C6, standard for HAMILTON-S1

Meet our IntelliCuff

IntelliCuff is designed for a fast setup; no calibration is required. It covers a wide range of desired cuff pressures for various cuffed endotracheal tubes to provide suitable solutions for different clinical scenarios. Simply set the desired cuff pressure, and IntelliCuff then automatically maintains it automatically.



In addition, IntelliCuff offers you a range of tools to support your daily workflow:

- ✓ Time-limited hold function allows cuff pressure to be increased for a defined time period*
- ✓ Safety alarms for disconnection, leak, and high pressure
- ✓ Cuff pressure can be set from 5 cmH2O up to 50 cmH2O
- ✓ Cuff deflation on command to support smooth extubation
- ✓ Single-use tubing with bacterial filter to protect against device contamination
- ✓ Shut-off valve prevents loss of pressure in the case of accidental disconnection

* Standalone device and HAMILTON-C6 only





Great flexibility – IntelliCuff as a standalone device

As a handheld device, the IntelliCuff can be used with all mechanical ventilators in various clinical scenarios, and even during air transport at higher altitudes. A large-scale display and convenient control buttons make adjusting and verifying settings easy. All the important data is always visible.

Using the click mechanism on the included bracket, you can quickly attach IntelliCuff to any standard handrail or infusion pole and detach it again to change settings with just one hand. The device uses standard, rechargeable AA batteries, which can be charged via USB interface or with the included power adapter.

Reduced complexity – IntelliCuff as an integrated solution

By integrating the IntelliCuff technology into the HAMILTON-G5/S1 and the HAMILTON-C6, cuff pressure control and monitoring parameters are displayed in the Ventilation Cockpit, the same user interface that allows you to adjust the ventilation therapy.

In addition, the integrated solution offers you the option of setting the cuff pressure relative to the peak airway pressure*. IntelliCuff then maintains a constant difference between the two pressures to ensure a tight seal.

* HAMILTON-C6 and HAMILTON-G5/S1 only



More information:

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