

Sulz am Neckar, November 2015

VBM recommends cuff pressure measurement

The importance of surveillance and monitoring of cuff pressure has multiple reasons:

- The optimal cuff pressure reduces the risk of a ventilator associated pneumonia (VAO) whose main cause is the micro aspiration of potential infectious secretions by folding the cuff of the ET tube. VAP is the most common nosocomial mortality cause in intensive care units and has a big influence on hospital costs and duration of hospital stay.
- The cuff pressure measurement reduces tracheal ischemia and resulting complications.
- When using supraglottic airway devices a cuff pressure set too high may lead to a swelling of the tongue and increase the risk of pressure necrosis and mucosal damage.

VBM offers a wide range of systems for cuff pressure measurement. This range includes analog, digital and automatic devices for children and adults. The systems are suitable for preclinical use as well as for use in surgery and for intensive care.

VBM **Cuff Pressure Manometers** are reliable because of their analog systems which makes them completely independent of power supply and they are ideal for use in all areas (preclinical, transportation, surgery, intensive care). The exact display as well as the predefined pressure ranges support the user in maintaining an appropriate cuff pressure for any airway product.

Five device variations for various intended uses are available to the user.

VBM provides a cuff pressure manometer in the compact syringe design by offering the AG Cuffill. The **AG Cuffill** is the only device providing the simultaneous measuring of volume and pressure. The syringe is light, easy to use and offers a high measurement accuracy. Its compact size makes it also suitable for preclinical use. It enables the pressure control and regulation for all airway management guides, especially for low pressure cuffs such as e.g. pediatric tracheal tubes.

The **Cuff Controller** is an electronic device designed for continuous surveillance and monitoring of the cuff pressure during surgeries and for use in intensive care. The chosen cuff pressure is automatically held and occurring leakages are compensated for. Pressure rises due to diffusion of anesthesia gases are lowered back to the chosen pressure value.

As inventors of cuff pressure manometers, VBM focuses on three important maxims for the development of cuff pressure manometers:

Reliability, accuracy and intuitive handling.

Further information is available on the website: www.vbm-medical.com

About VBM Medizintechnik GmbH:

VBM Medizintechnik is headquartered in Sulz am Neckar (Germany) and employed approximately 200 persons. The private owned company develops and produces innovative device for Airway Management, Accessories for Anaesthesia and intensive Care as well as tourniquet systems for surgical operations in a bloodless field. VBM devices are present in more than 100 countries throughout distribution partners or own subsidiaries.

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Related topics and products:

ET tube, Laryngeal Tube, endotracheal intubation



Image 1

File name:

VBM_Cuffdruckmessgeraete.jpg

All 3 VBM Cuff pressure manometers.



Image 4

File name:

VBM_AG-Cuffill.jpg

Cuff pressure manometer „AG Cuffill“



Image 3

File name:

VBM_Universal_LT.jpg

Cuff pressure manometer „Universal“

with Laryngeal tube.



Image 5

File name:

VBM_AG-Cuffill_02.jpg

Cuff pressure manometer „AG Cuffill“ in use.



Image 3

File name: VBM_Cuffdruckmessgeraet_Universal.jpg

Cuff pressure manometer „Universal“



Image 6

File name: VBM_CuffController.jpg

VBM Cuff Controller.

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