

# Cuff Pressure Gauges

## General Information



microchannels formed from infolding of redundant cuff material after inflation. Cuff pressure management can contribute to reduce tracheal ischemia and subsequent complications. Availability of the device and precision of the measurement are fundamental to the success of treatments.

As the inventor of the cuff manometer, VBM is committed to drive the development of cuff pressure measuring in hospitals. In developing new cuff pressure gauges VBM follows three main principles: Reliability, accuracy and ease of use.

VBM offers the largest choice of systems, covering analog and automatic devices, pediatric and adult for OR, pre-hospital and ICU environment.

# Cuff Pressure Gauges

## Cuff Controller – Automatic Cuff Pressure Gauge

Clinical studies have proven the positive effects of a continuous control of cuff pressure in order to prevent ventilator-associated pneumonia (VAP).

VBM Cuff Controller is an electronic device that has been developed for the continuous control and monitoring of cuff pressure. It has proven showing effectiveness in maintaining cuff pressure in recommended range in ICU patients.



### Features

#### Front Side

- Large LCD display
- Intuitive cuff pressure adjustment
- Adjustable range: 0–60 cmH<sub>2</sub>O
- Integrated alarms for over pressure or leakage

#### Back Side

Universal clamp for fixation to standard rail

### Order information

#### Cuff Controller

Pre-adjusted to 25 cmH<sub>2</sub>O

With battery, universal clamp and connecting tube (200 cm)

REF 55-13-500

# Cuff Pressure Gauges

## Cuff Manometer – Analog Cuff Pressure Gauge



The use of VBM Cuff Pressure Gauges in combination with High Volume Low Pressure Cuffs can reduce micro-aspiration and prevent VAP from occurring in the first place.

The devices reduce the risk of pressure necrosis and mucosal ischemia. They help preventing the risk of aspiration which can lead to the possibility of pneumonia.

The analog system with no dependence on any energy source makes the VBM cuff pressure gauges highly reliable under any circumstances (outdoor, transport, OR). The accuracy of the display as well as the pre-defined pressure ranges help users to maintain the correct pressure with any kind of airway devices.

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Cuff Pressure Gauges

### Features



#### Green Range

The green ranges on the scale mark the ideal ranges for either tracheal tubes or laryngeal tubes.



#### Luer Connection

For connection to the tracheal tube allowing pressure measuring and regulation.



#### Release Valve & Hook

- Pressure increase due to the diffusion of anesthetic gases can be adjusted with the red release valve
- Hook fits into standard rail



#### Vacuum Valve

For connection to the tracheal tube allowing a complete deflation of the cuff by squeezing the inflation bulb.

# Cuff Pressure Gauges

## Order information

Analog Cuff Pressure Gauge, complete with connecting tube (100 cm)



### Universal

Ø 68 mm scale  
With hook

Scala with two green ranges  
- For tracheal tubes (22–32 cmH<sub>2</sub>O)  
- For Laryngeal Tubes  
and Laryngeal Masks (32–60 cmH<sub>2</sub>O)

REF 54-07-000



### Monitor

Ø 68 mm scale  
With hook

REF 54-05-000



### Pocket

Ø 50 mm scale  
With hook

REF 54-04-000



### Sensitive

Ø 50 mm scale  
With hook

REF 54-03-001



### Pediatric

Ø 50 mm scale  
Pressure range: 0–60 cmH<sub>2</sub>O  
With hook

REF 54-02-001

## Accessories

### Connecting Tube

For single use, Material: PVC

Length	REF	Box
100 cm	54-05-112	10
200 cm	54-05-113	10



## References

Sultan, P. et al. "Endotracheal tube cuff pressure monitoring: a review of the evidence." J Perioper Pract. 2011 Nov;21(11):379-86. Review.

Bernhard, M. et al. "Prehospital airway management using the laryngeal tube", Der Anaesthetist 63.7 (2014): 589-596.

# Cuff Pressure Gauges

## AG Cuffill – Digital Cuff Pressure Syringe

AG Cuffill is the only device capable of simultaneous control of volume and pressure. It is very light and easy to use whilst providing high accuracy of cuff pressure measurement. The compact size makes it very convenient for pre-hospital environment. It allows control and adjustment of pressure for all cuffed airway devices. It is especially beneficiary for low volume cuffs such as pediatric tracheal tubes.

### Features



#### Digital display

For ease of use and to enhance accuracy of measurement.



#### Measuring Cuff Pressure

When the plunger is in closed position the specific sensor technology allows cuff pressure measurement with no dead space. Indication of pressure will change during breathing cycle.



#### Adjusting Cuff Pressure

Immediate cuff pressure measurement and requested adjustment are made with one single hand as soon as the plunger is in motion.



#### Minimal Storage Space

With the small dimensions (13x3x2 cm) the AG Cuffill requires very little storage space. Therefore it is ideal for emergency bags and vehicles, helicopters, doctors' coats and emergency cabinets.

### Order information



#### AG Cuffill

Electronics is limited to 100 measurements, with automatic countdown function

REF 59-10-100

Box 10