

Frequently Asked Questions

General

Q1: How should the Cuffill device be cleaned?

A: Please refer to the cleaning and disinfection instruction in the product Instruction for Use (IFU). See link in the website.

Q2: What are the recommended disposal instructions for the Cuffill device?

A: The Cuffill device contains a small Lithium-Ion battery. Therefore, the barrel (outer part) can be disposed as general waste/disposable device, but the plunger (inner part) is subject to disposal and recycling regulations that vary between countries and regions. The user should check and follow the local facility's guidelines for disposing Li batteries and E-waste.

Q3: Why does the cuff pressure fluctuate on the screen when connected to a ventilated patient?

A: The cuff of the endotracheal tube is exposed to the pressure in the lungs. When a patient is mechanically ventilated, the cuff pressure fluctuates in a cyclical pattern reflecting the breathing cycle, where the amplitude mainly depends on the ventilation pressure (P_{peak}) and the span depends on the BPM (Breaths per Minute).

Q4: How should the user set the right cuff pressure (on the fluctuating cyclical pattern)?

A: The correct cuff pressure (target pressure) is the base of the amplitude on the cyclical pattern (the lowest cuff pressure displayed).

Q5: How accurate is the Cuffill device and how much pressure loss during connection?

A: Cuffill accuracy is $\pm 2\text{cmH}_2\text{O}$ (or $\pm 2\text{mmHg}$, depending on its scale).

Connecting a manometer to a cuffed airway causes air to run out from the cuff to the device and by that cuff pressure is reduced. The smaller the “dead space” (internal volume) of the measuring device, less air runs out of the cuff. The Cuffill device, while the plunger is pushed all the way in, has minimal “dead space”. Therefore, the Cuffill is extremely accurate and does not cause loss in cuff pressure.

Q6: Can the Cuffill device be used for measuring cuff pressure of cuffs filled with liquid?

A: No, the Cuffill is intended for air-filled cuffs and should not be used for measuring liquid pressure.

Display

Q7: New Cuffill is blinking "1H" after turn on. What does it means?

A: More than **1 Hundred** readings are left. It may turn on a few time showing "1H" until counter goes below one hundred and then it will show 99...98... to 0.

Q8: Cuffill displays E1 and cannot be used. What does this mean?

A: The number of uses/readings has reached 100 and no more readings are left.

Q9: Cuffill displays E2, E3 or E4. What does this mean?

A: Device error. Device cannot be used.

Q10: After showing the counter, display shows value other than "00" - why?

A: Cuffill must be turned on while disconnected from the airway and the luer is free!

-In case the display shows "01", "02" or above after being turned on, the device can be calibrated by pressing a long press (more than 5sec) on the power button. It will then blink "- -" and should show "00". If it does not show "00", then the device cannot be used.

Battery Disposal

Q11: Can battery be disassembled in case it is needed to dispose it separately?

A: In case battery need to be disposed separately, it is possible to break the cap and take out the battery by using a standard can bottle opener as illustrated below

