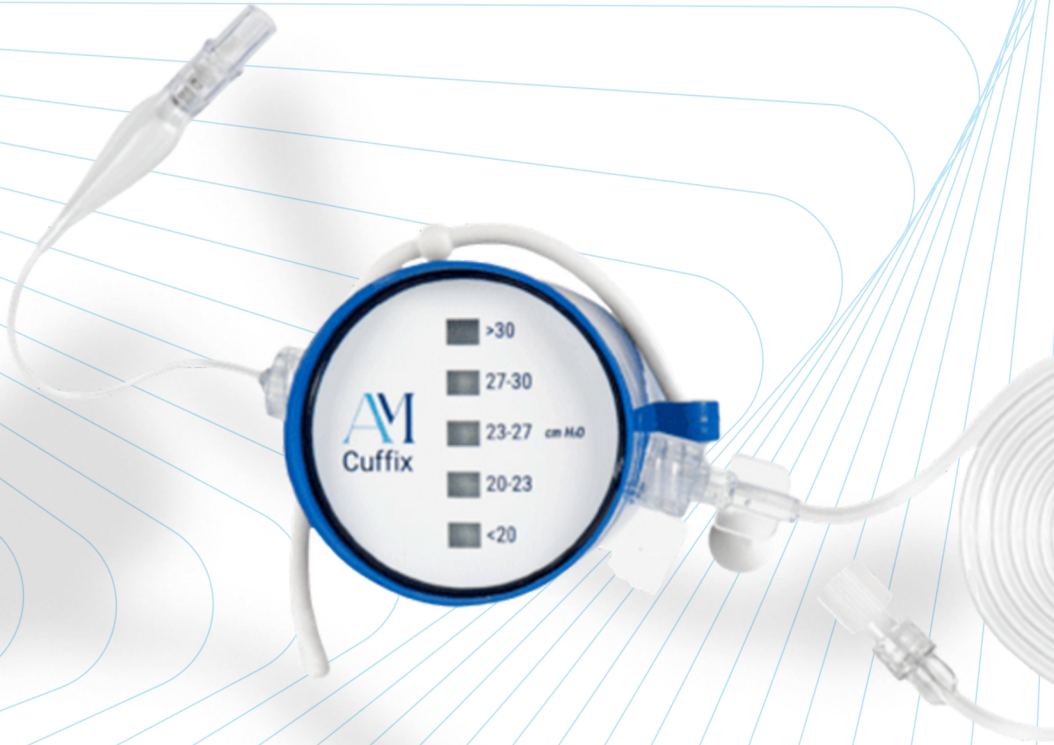




Cuffix

Cuff Pressure Regulator

Automated Cuff Pressure: Regulation and Measurement



The Needs

20–50%
VAP Mortality¹

60–80%
of patients have elevated cuff
pressures in endotracheal tubes²

- Cuff balloon pressure must be kept within the safe range of 20-30 cm H₂O:
- Below 20 cm H₂O: at low pressure, secretion leaks increase the risk of VAP
- Above 30 cm H₂O: at high pressure, tissue ischemia leads to a tracheal injury
- A cuff pressure reading must be taken during every ICU shift
- Pressure fluctuations increase the risk of VAP and for tracheal injury
- Common devices require manual handling

The Challenges

- **Pressure fluctuations increase** the risk of VAP and/or tracheal injury
- **Use of external manometer** and, if needed, pressure needs to be adjusted to recommended range manually
- **Cuff pressure reading** must be taken by the personnel during every ICU shift
- **Pressure fluctuations outside** the safe range go undetected for extended periods
- **Other disposable pressure regulators do not provide a pressure reading**



The Solution

The **first disposable continuous cuff pressure regulator**, with built-in precision pressure gauge.

Cuffix **automatically adjusts cuff balloon pressure** to keep it stable at the desired safe range.

The **single-patient use, precise cuff pressure regulation and simplicity of use**, make Cuffix an unique and innovative device on the market.



Key Features



Disposable
(single-patient use)



2-in-1
Regulation
& Measurement



Accurate.
Efficient.

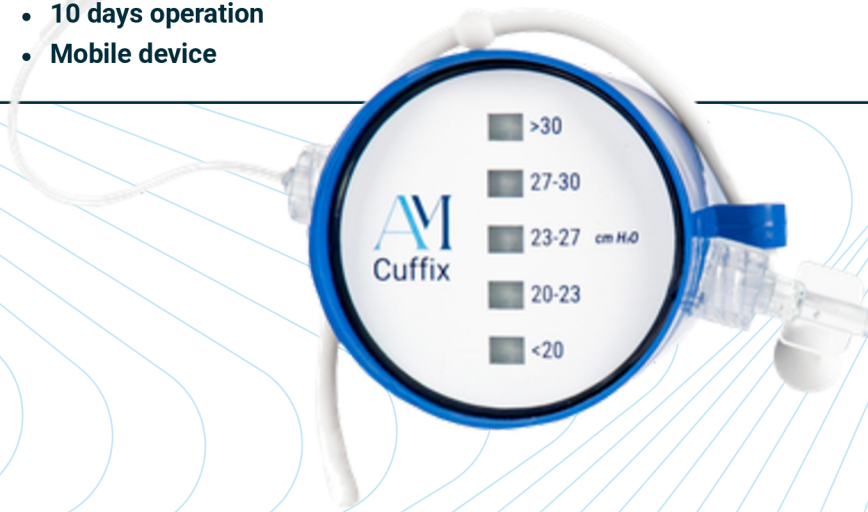


Revolutionizing Medicine
Simplifying Care

www.airway-medix.com

Multifaceted Impact

- Continuous and precise cuff pressure reading and automated regulation
- Light indicator for distance assessment
- Time-saving
- Preventing of fluctuations and risks connected with under- and overinflation of ETT balloon
- Single-patient use
- Quick and easy handling
- 10 days operation
- Mobile device



Cuffix is a battery-powered, single-patient use device that provides continuous regulation of pressure in inflatable ventilation tube cuffs (ETT, tracheostomy) using a passive control mechanism.

It helps maintain optimal cuff pressure, reducing the risk of VAP and tracheal trauma. The product is designed for single-patient use, with an expected lifespan for up to 10 days or until extubation.

1. Cost of treating ventilator-associated pneumonia post cardiac surgery in the National Health Service: Results from a propensity-matched cohort study, H Luckraz , N Manga, E L Shanayake, M Abdelaziz, S Gopal , S C Charman, R Giri , R Oppong, L Andronis. J Intensive Care Soc. 2017 Nov 9;19(2):94–100. doi: 10.1177/1751143717740804<https://pmc.ncbi.nlm.nih.gov/articles/PMC5956688/#sec3-1751143717740804>
2. K. M. Moon, S. Donaworth, M. S. Hagele, S. S. Kim, B. L. Willer, J. D. Tobias. Pediatr Qual Saf. 2022 Dec 7;7(6):e619. doi: 10.1097/pqs.0000000000000619