

JANS Medtech

Find new solutions



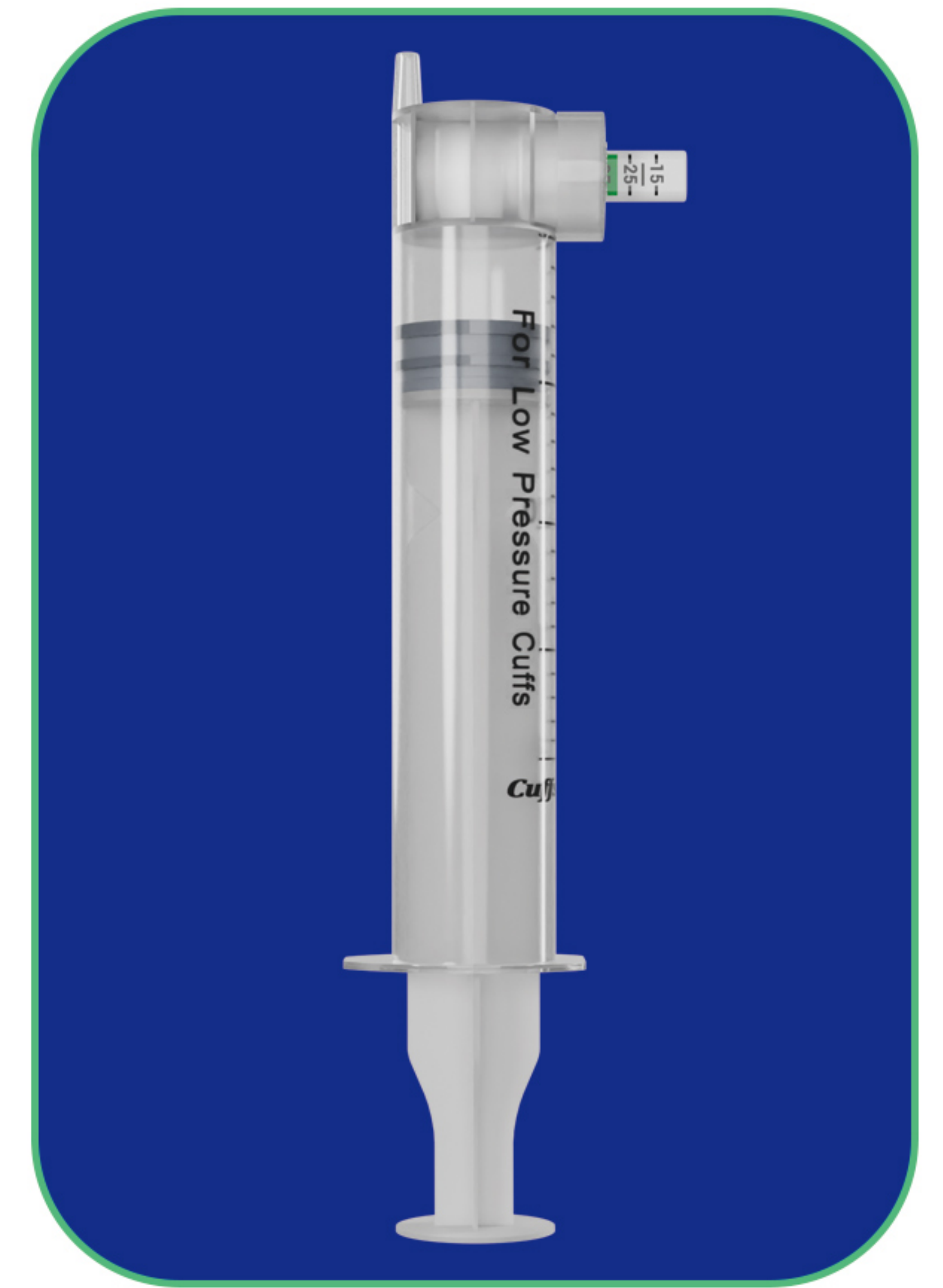
with **Cuffsure®**

set a correct cuff pressure in seconds



Cuffsurre[®] Solution

The new launched Cuffsurre device is a perfect solution for setting pressure of airway cuffs in clinics. Its syringe-like design and color-belt indicator scale allow a super simple and easy operation by all anesthesiologists, ICU nurses and even users in home care environment.



Cuffsurre[®] Benefits

Easy to use:

- Syringe-like design, pocket-size
- With color belt indicator scale, easy to judge
- Can correctly set a cuff pressure in seconds

Diverse:

- JS-LC1550 (15-50cmH₂O), suitable for intubation cases in operation room or first aid
- JS-LC1040(10-40 cmH₂O), suitable for cuff pressure maintenance in ICU or homecare

Economy:

- Reused times 180+, more economics
- Reduce using anti-inflammatory drugs
- Reduce risks of VAP

Other features:

- Accuracy $\pm 2\text{cmH}_2\text{O}$
- Volume 20ml, efficiently inflate big size LMA



FIG.1

FIG.2



FIG.3

Instructions for Use

1. Checking for first use
Pull the plunger back a little bit, put one index finger belly to block the injection port, then push the plunger, observe the indicator pole can pop out smoothly.

2. Cuff first time inflation

2.1 Position the plunger at the scale which more than the cuff needed (evaluated volume); if evaluated volume is more than 20ml (for example the big size LMA cuff), just directly inject one or two full syringe first

2.2 Tightly connect the Surecuff to the inflation valve (Use one hand thumb and index finger hold hard valve part of the pilot, don't touch the soft part of the pilot)

2.3 Push the plunger slightly and keep a close watch on the indicator pole. When find the indicator pole begin moving up, slow down the pushing speed

2.4 When the indicator pole moves to the suggested position (green belt 30-35 cmH₂O for adult cuffed ET tube, FIG.1) or the user's target pressure, stop pushing and hold the plunger, keep the indicator pole at the target scale position around one second, and the indicator don't retract

2.5 Use one hand thumb and index finger hold the hard valve part of the pilot, disconnect the Surecuff quickly.

3.Cuff pressure maintenance

3.1 Position the plunger around the scale 5-10ml(suggested position)or where you think is more comfortable

3.2 Repeat cuff inflation steps (2.1-2.5); the suggested position is between 25-30 cmH₂O (for adult cuffed ET tube) (FIG.2) or user's target scale

Notice: In case the plunger is pushed too quickly and the scale rise more than the targe pressure, to adjust the pressure do not pull back directly to target pressure. Right way is to pull back the plunger and make the scale pole sink back more than the target pressure, then push the plunger slowly and make the scale pole rise to the target pressure.

“ why Cuffsure®

Methods&Benifits	Accurate	Quickness	Simplicity	Economic	Maintenance
Syinge+finger	×	✓	✓	✓	✓
Pressure gargue	✓	×	×	✓	×
Electornic devices	✓	×	×	×	×
Cuffsure®	✓	✓	✓	✓	✓



FAQ

Q1: How to clean the Cuffsure device?

A: The outer surface should be wiped thoroughly with an alcohol-based or 1.4% hydrogen peroxide disinfectant. Avoid immersion sterilization and steam sterilization.

Q2: The Cuffsure device can be used to measure cuff pressure?

A: No, it's only be used to measure and read the cuff pressure during the cuff inflating period. It cannot separately use to measure the pressure of an inflated cuff. Many studies show that it's useless operation (to measure the inflated cuff pressure). Usually when you use manometer to connect and measure the inflated cuff pressure, because the leakage during connecting and the pressure rebalance (some air will move to the manometer), as a result that the reading low the original true number, especially for ET tube cuffs (little volume cuffs), then need to re-inflate the cuff again. The Cuffsure device can directly reset the cuff at right pressure in seconds, avoid useless checking process.

Q3: How much pressure loss during disconnection with injection port?

A: when disconnecting, cuffs pressure will reduce by 1-2mmHg/ cmH₂O; If the cuff is first time inflation, after disconnecting, inner pressure will reduce around 3 cmH₂O in 1-2 minutes, because the cuff-wall become loose under pressure. So, we design indicator green belt at 30-35 cmH₂O for Cuffsure Model JS-LC1550.

Q4: Can the Cuffsure device be used for cuffs filling with liquid?

A: Yes, the Cuffsure is intended for air-filled and distill water-filled cuffs but don't suggest fill with other corrosive liquids; for corrosive liquids, you can look the Cuffsure device as one time used. And because the liquid mobility is not good compare with air, and the gravity pressure reason, it will request push the plunger very slowly and keep the target item and the Cuffsure indicator at the same height.

Q5: Why the green indicator belt is at 30-35 cmH₂O (for model JS-LC1550), not at 25-30 cmH₂O(for model JS-LC1040) base on international guideline?

A: Model JS-LC1550 mainly used in operation room and first aid intubation cuff inflation, so mainly is used for cuff first time inflation; Model JS-LC1040 mainly is used for ET tube cuff maintenance in ICU. More explanation sees the answer of Q3.

