



## RC-Cornet® - outstanding results in airway clearance

The most effective Oscillatory PEP (OPEP) Therapy to address breathlessness and secretion mobilization

The RC-Cornet® is an oscillatory PEP therapy ( OPEP Therapy ) to free the respiratory tract from bronchial mucus, to ease shortness of breath and reduce coughing. It is the only OPEP respiratory therapy device that uses all of the exhaled air to clean the respiratory tract.

Even the first use is pleasant and noticeably frees the bronchi. A long-lasting improvement to your state of health can be achieved through regular training with the RC-Cornet®.

### **The RC-Cornet® offers through various settings on the mouth piece two treatment forms**

1. Combined PEP (Airway enlargement)
2. Dynamic PEP (Secretion mobilization)

The therapy should always begin with the position for the expansion of the respiratory tract and then if necessary change to the position to mobilize bronchial mucus.

Depending on your comfort level the RC-Cornet® can be used standing, sitting or lying down. The device corresponds to all private as well as clinical hygienic requirements.

### Study Results

A randomized 2 year long-term study with severe COPD showed that the number of clinic stays ( $p>0,001$ ) and the need for antibiotics ( $p>0,004$ ) was significantly reduced when the RC-Cornet® was regularly used in addition to treatment.

### The RC-Cornet® is indicated for the following conditions

- COPD (Chronic Obstructive Pulmonary Disease)
- Pulmonary Emphysema
- Smokers Cough
- Cystic Fibrosis
- Bronchiectasis
- Asthma

The aforementioned clinical conditions vary according to their development and are characterized, among other symptoms, by coughing, shortness of breath and coughing up of thick mucus. The transportation of mucus is aided by cilia in the mucus membranes and coughing is a natural cleaning mechanism of the bronchi in healthy patients.

This status is disrupted within the above mentioned clinical conditions. The results are thick, often sticky mucus, unproductive cough and breathlessness.

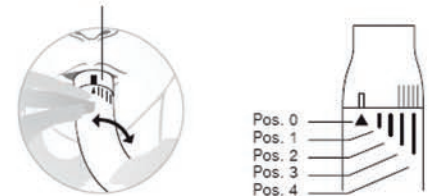
### Free your lungs with the RC-Cornet®

Free your lungs effectively from thick bronchial mucus, reduce your shortness of breath and coughing with the respiratory physiotherapy device RC-Cornet®

Studies show that the regular use of the RC-Cornet® reduces the number of hospitalizations and the need for antibiotics.

Unlike other respiratory physiotherapy devices, the RC-Cornet® uses the entire exhaled air for an effective airway clearance.

The RC-Cornet® offers two treatment forms through different settings on the mouthpiece.



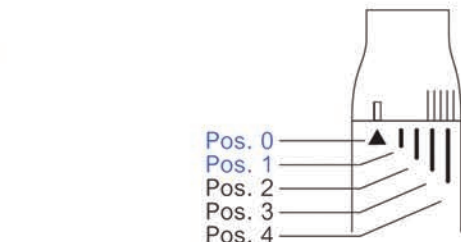
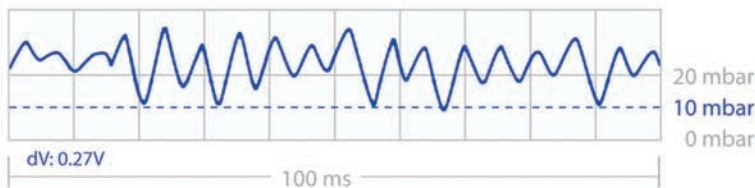
Setting positions on the mouthpiece

### Two therapies in one device

#### 1. Combined PEP (Airway enlargement)

In position 0 and 1 the RC-Cornet® produces small, continual waves which are put on a pressure plateau of over 10 cm H<sub>2</sub>O.

This therapy expands and stabilizes even the smallest areas of the respiratory tract (alveoli) and allows trapped air to escape again. Hereby reducing shortness of breath and coughing. This mode of operation is called combined PEP.



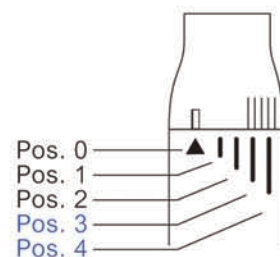
Before

After

#### 2. Dynamic PEP (Secretion mobilization)

In position 3 and 4 the RC-Cornet® produces a slowly increasing pressure that then abruptly drops off.

Through the abrupt pressure drop the RC-Cornet® liquefies and ideally carries away viscous bronchial mucus. This is comparable to a continually surging wave that develops its maximal power at the apex and then pushes everything in front of it on its way. This mode of operation is called dynamic PEP.



Before

After

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