vylife® Boussignac
1 device,
3 ventilation modes
Proven interest of NIV-2P (5,6):

- Increased gazometric and ventilator parameters
- Decreased morbidity and mortality
- Decreased length of stay
- Reduced risk of reintubation

Proven interest of CPAP (1,2):

- Proven efficiency in the management of acute pulmonary edema (1,2)
- Avoids the need for tracheal intubation (3)
- Cost/benefit ratio shows a positive result in favour of CPAP in pre-hospital medical care (4)
**vylife® Boussignac: all the advantages of Boussignac CPAP + a trigger**

1. **Effective**
   - **CPAP mode** (7,8)
     - Flow rate of gas available for inspiration is 280 to 320 l/min
     - The difference between inspiratory pressure and expiratory pressure (Delta P) is only 1.5 +/- 0.2 cmH₂O (9)
     - Regulation of inspired FiO₂
   - **Mode VNI-2P** (10, 11)
     - Pressurisation quality
     - Accurate trigger

2. **Safe**
   - **vylife® Boussignac** is an open system, if necessary the patient can breathe atmospheric air and thus constantly breathe the required volume of gas.
   - The pressure in the lungs cannot be superior to the virtual valve (A):
     - **Oxygen supply**
       - Oxygen molecules arrive in the chamber
     - **Oxygen acceleration**
       - The oxygen molecules are accelerated at the speed of sound when they pass through four micro-channels
     - **Open to atmosphere**
     - **Creation of a virtual valve**
       - The oxygen molecules collide with each other, generating turbulence which transforms the speed into pressure
     - **Pressure monitoring**
       - or administration of additional oxygen or EtCO₂ monitoring
     - **Pressure directly depends on flow rate of gas**
     - When you increase the flow rate, you increase the pressure
     - When you decrease the flow rate, you decrease the pressure

   - **No risk of barotrauma / volotrauma**
   - **No risk of hypoventilation**

3. **Easy to use**
   - **vylife® Boussignac** starts with the chosen mode of ventilation and pressures
   - **Adjustable pressure with buttons “+” and “-”**
   - **Inspiratory Support (IS)=IPAP-EPAP**
   - **Portable**
   - **Capnograph connection via interface or manometer port**

   - **Simple to use**: 
     - + increases pressure
     - - decreases pressure

   - **Open system**: Easy to read (ventilation mode, pressures, battery, respiratory frequency)

   - **Large screen**: Ready to use

   - **Disposable kit**: Ready to use

   - **One click connection**: No risk of misconnection

   - **Special “star” shaped O₂ tube**: Thanks to this design, the patient will always get O₂ even if the tube is kinked
Complete range

Single use kit

**vylife® kit without harness**

Codes 5567.303 / 403 / 503 / 603

- Oxygen extension tube
- Ringed tube
- CPAP Boussignac
- FiO₂ ring
- Trigger
- Facial mask

**vylife® kit with harness**

Codes 5568.303 / 403 / 503 / 603

- Oxygen extension tube
- Ringed tube
- CPAP Boussignac
- FiO₂ ring
- Trigger
- Facial mask

O₂ **vylife® kit**

Codes 5582.802 (AFNOR)

2 **vylife® kits**

1 **vylife® charger**

1 **vylife® device**

1 Rapid instructions for use

1 Oxygen stopcock

Codes 5582.700 (without Oxygen stopcock)

2 **vylife® kits**

1 **vylife® charger**

1 **vylife® device**

1 Rapid instructions for use

References


(9) PValero MD, A Khoury MD, G. Capellier MD, Phd, D. Robert MD, Phd. Comparison between 3 devices delivering Continuous Positive Airway Pressure (CPAP). Poster


For further information, please contact: questions@vygon.com

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