

Dräger



MT-4788-2008

**Easy, integrated and
effective solution:**
Ventilation without Sterilization

Dräger. Technology for Life®



Hospital challenges

CONSEQUENCES OF VENTILATOR ASSOCIATED PNEUMONIA (VAP) IN HOSPITALS

Negative impact in terms of length of stay and treatment costs.

VAP is associated with:

Increased average duration of mechanical ventilation	14.3 days vs. 4.7 days ¹
Increased average length of stay in the ICU	4.3-6.1 days ²
Increased average length of hospital stay	4-9 days ²
Higher treatment costs of patient with VAP	> \$ 40,000 per case ³



A contribution to prevent VAP

Ventilator associated pneumonia represents a major challenge for clinicians because of its significant influence on patients' safety and healthcare costs.

Multiple risk factors for VAP require different types of prevention strategies. Among other things, efforts should focus on cleansing and servicing of the respiration apparatus to reduce bacterial colonization. An approach to minimize cross-contamination is the exclusive use of single patient use ventilation accessories.

Dräger supports this approach with its ventilation without sterilization solution. Dräger offers a large portfolio of single patient use ventilation accessories, which eliminates the need to sterilize any products

from one patient to the next. The patient is sure to always have clinically clean and completely unused products.

Due to products for single patient use, the risk of cross-contamination is minimized and patient safety is enhanced. Ventilation without sterilization can improve patient safety by providing a complete change of the disposable breathing system between patients.

AN IMPROVED QUALITY OF CARE PAYS OFF

Besides the potential to prevent VAP, ventilation without sterilization also improves the quality of care. This is of great importance, because of today's increasing complex care environments. Patients start to choose hospitals for their own treatment based on quality indicators (including indicators like pneumonia rate) and reports.

Dräger has developed an extensive portfolio of ventilation accessories for single patient use. In order to simplify breathing support, Dräger now offers a one-stop solution: all required products (e. g. Evita ventilator and necessary accessories) are provided by Dräger. The Dräger Ventilation without Sterilization concept – single patient use ventilation accessories in one package – supports the hospital's cost structure, logistics and clinical processes.

The process quality is enhanced by the use of single patient use products. All activities to change the ventilator from one patient to the next will be available in one-step, without sterilization delays or time-consuming assembling activities.

Our Ventilation without Sterilization Solutions

Enhance the workflow most conveniently by the use of single patient use products. The Ventilation without Sterilization Solutions are available for non-invasive ventilation as well as invasive ventilation (e.g. Evita with NIV option).

MT-0972-2007



CO2 CUVETTE:

- Fast response times due to mainstream measurement
- Single patient use helps to minimize risk of nosocomial infection

MT-038-2006



BREATHING CIRCUITS:

VentSet Basic

- Standard breathing circuit consisting of 2 corrugated EVA-hoses, one Y-piece with Luer Lock, Length: 150 cm
- Designed for fit and functionality, thereby putting patient safety into the focus.
- System compatibility tested with Dräger device

MT-0970-2007



BREATHING MASK NOVASTAR®:

- NIV mask, full face, covering nose and mouth
- Individual »customized« fit due to the embedded pliable ring in the flexible, transparent, soft mask shell combined with silicone gel mask cushion for premium comfort and seal
- Compatible with Dräger ventilators with NIV option: Evita series, Savina and Carina



MT-1164-2006



BREATHING FILTER/HME TWINSTAR® 55:

- High-performance filtration media reduces potential cross-infections
- High-performance HME media effectively humidifies and warms inspired gases, thus reducing the risk of VAP
- Reduced condensation in the breathing circuit
- High safety through tethered cap
- Sampling port easy to connect
- Tested according to all applicable standards as well as high Dräger standards



MT-9363-2006



EXPIRATION VALVE:

- Easy to change with the entire breathing system
- "Plug and play" - no assembling and dismantling efforts
- Tested according to high Dräger standards





Ventilator associated pneumonia poses a risk to the quality of treatment. To help combat VAP and thus enhance the quality of care, Dräger produces a one-stop, one-step solution to support clinicians.

- 1) Rello J et al.: Epidemiology and Outcomes of Ventilator-Associated Pneumonia in a large US Database, in: Chest, 2002, 122:2115-21
- 2) Tablan OC et al.: Guidelines for Preventing Health-Care-Associated Pneumonia, 2003, in: MMWR Morb Mortal Wkly Rep, 2004, 53(RR-3):1-36
- 3) Craven DE: Preventing Ventilator-Associated Pneumonia in Adults – Sowing Seeds of Change, in: Chest, 2006, 130:251-60

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