



The new generation of excellence  
in Dräger ventilation

EVITA XL

# The new Evita XL ...



## **A new level of excellence in Dräger ventilation**

Ventilated patients are among the most vulnerable in the hospital. We know all too well that caring for them takes concentration, commitment and creativity – from you and your equipment.

The new Evita XL ventilator combines a broad range of performance capabilities with many advanced features. So whatever the patient's acuity level and whether you're ventilating adults, pediatrics or even premature babies, the new Evita XL offers state of the art invasive or non-invasive ventilation.

## **At the patient bedside**

- Advanced standard functions and a wide range of options
- More efficient daily routine through focus on essentials and intuitive operation

## **Throughout your hospital:**

- Easy and convenient handling in almost every transport situation thanks to newly designed trolley
- Improved staff efficiency and lower training and support costs thanks to standardization



# ... supports all therapy needs ...

Prevent

Stabilize

Wean



## Minimize patient risk

The new Evita XL offers advantages that help protect patients every time ventilation support is needed:

- Mask ventilation with NIV plus – available in all modes, with comprehensive monitoring and alarm adaptation. NIV in general has been shown to reduce the need for intubation<sup>1)</sup>.
- The Lung Protection Package (LPP) offers a low flow P/V maneuver to identify optimal-PEEP and pressure settings for lung protective ventilation while special recruitment trends monitor the process.
- Integrated CO<sub>2</sub> monitoring helps to verify correct intubation and metabolic stability.

<sup>1)</sup> Ram FSF et al, The Cochrane Library 2005, Issue 4

<sup>2)</sup> F. Lellouche et al.; Am J respir Care Med Vol 174, pp 894-900, 2006. Results are based on a European Multicenter Randomized Trial [2] with 144 patients demonstrating improved respiratory condition, with stable hemodynamic and neurologic status, and no ARDS prior to initiating weaning

## Easily tailored treatment

The new Evita XL responds quickly to individual patient requirements and changing ventilation situations:

- The open breathing system with AutoFlow® or PCV+ allows spontaneous breathing in all ventilation modes.
- A variety of workflow support functions, such as O<sub>2</sub> suction routine or automatic P0.1 measurement with trending, make your clinical routine easier.
- NeoFlow offers flow measurement at the Y-piece for fast response to patient triggering, leakage adaptation and precise volume delivery for neonates.

## Efficient weaning

The new Evita XL helps to get patients off the ventilator safely and quickly:

- The SmartCare®/PS automated weaning system provides continuous vigilance for opportunities to reduce the level of ventilator support<sup>2)</sup>.
- By reducing the work of breathing attributable to the endotracheal or tracheostomy tube, automatic tube compensation (ATC™) supports the transition to independence from the ventilator.
- The open breathing system with Mandatory Minute Ventilation (MMV) ensures that patients, from neonates to adults will receive the set minute volume, regardless of the spontaneous breathing level.

“The most significant realization comes from the fact that the weaning process is continuous and does not necessarily rely on the availability or constant presence of the practitioner to be at the bedside throughout the weaning session.”

Phillip Thaut, RRT-NPS, RPFT, Provo, Utah, September 2007

# ... of the ventilation process

Recover

Non-invasive Ventilation

Invasive Ventilation



## Reliable recovery support

The new Evita XL goes beyond extubation to treat and monitor the patient:

- The availability of invasive and non-invasive ventilation and oxygen therapy in a single device helps to improve workflows and potentially reduces the risk of reintubation<sup>3)</sup>.
- Advanced leakage compensation in Non-Invasive Ventilation (NIV) provides adapted responsiveness and reliable tidal volume delivery, even in the case of high leakages.
- NIV plus offers smooth ventilation for better patient comfort.

<sup>3)</sup> Haddad, B.; Critical Care 2006, 10: 314

## "The new Evita XL ...

not only looks a lot better, its handling has also been significantly improved. The new trolley is just one example. But more importantly for the patient, there have been big improvements in mask ventilation. This non-invasive ventilation is now smoother and more comfortable for the patient."

Andreas Möhlendiek, Senior Consultant, Anesthesiology and Critical Care Department, Skaraborg hospital, Skövde, Sweden, January 2008

# Over 100 years of innovation in ventilation



Dräger is committed to providing Technology for Life®. We were there at the very beginning of modern ventilation, and we've been innovating ever since:

- 1907 – Pulmotor emergency resuscitator
- 1952 – E 52 “Iron Lung” long term breathing system
- 1978 – Oxylog transportable emergency ventilator
- 1989 – BIPAP<sup>1)</sup>/PCV+ and APRV free breathing in PCV
- 1995 – AutoFlow® free breathing in VCV
- 1997 – ATCTM automatic tube compensation
- 2000 – Non-Invasive Ventilation (NIV) for ICU ventilators
- 2003 – SmartCare®/PS automated weaning protocol

2004 – Disposable expiration valve

2006 – Evita 4 edition

<sup>1)</sup> Trademark Used Under License

Our reputation for quality and reliability is built on legendary German engineering – but that is only part of Dräger's commitment to ongoing support:

- Comprehensive on-line training for effective system utilization
- DrägerService® to help maximize up-time and minimize lifetime operating costs
- Continuous development program to ensure the safety of your investment

“Cutting-edge technology convinced us to purchase the Dräger product; but then the excellent customer service and support strengthened the relationship.”

Angela D. Hedgman, BS, RRT-NPS,  
Philadelphia, PA, December 1, 2006

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Annex II.3 of Directive 93/42/EEC  
(Medical devices).