

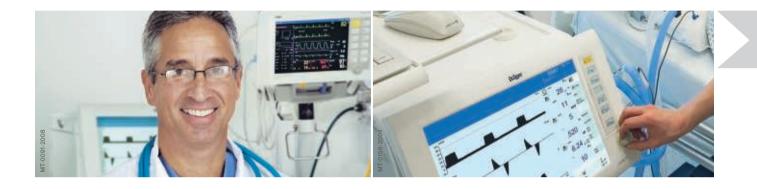


## Excellence in Dräger ventilation

EVITA XL

Dräger. Technology for Life®

## The Evita XL ...



## **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 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 Evita XL offers state of the art invasive or non-invasive ventilation.

## At the patient bedside

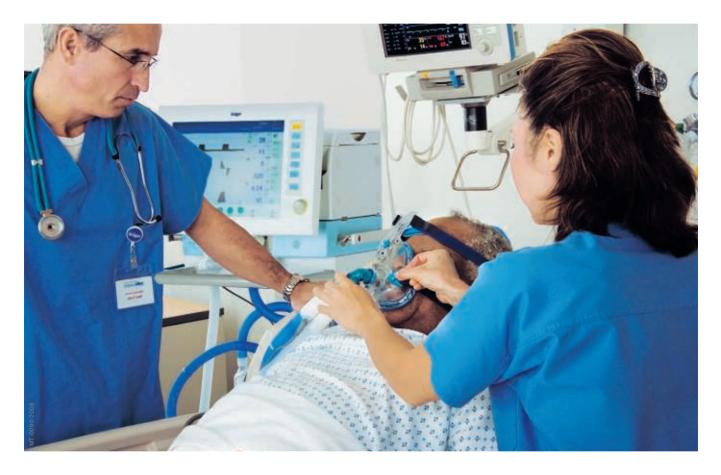
- Advanced standard functions and a wide range of options
- More efficient daily routine through focus on essentials and intuitive operation

## 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



## Over 100 years of innovation in ventilation



Dräger is committed to providing Technology for Life<sup>®</sup>. 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 $^{\circ}$  free breathing in VCV
- **1997** ATC<sup>TM</sup> automatic tube compensation
- 2000 Non-Invasive Ventilation (NIV) for ICU ventilators
- 2003 SmartCare®/PS automated weaning protocol

2004 – Disposable expiration valve2006 – 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<sup>®</sup> to help maximize up-time and minimizelifetime 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

# ... supports all therapy needs ...





## Minimize patient risk

The 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.

## Easily tailored treatment

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

- The open breathing system with AutoFlow<sup>®</sup> 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 Evita XL helps to get patients off the ventilator safely and quickly:

- The SmartCare<sup>®</sup>/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<sup>™</sup>) 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.

<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

"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



Non-invasive Ventilation





## Reliable recovery support

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

- The availability of invasive and noninvasive 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





## **Invasive Ventilation**

## "The 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

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CORPORATE HEADQUARTERS Drägerwerk AG & Co. KGaA Moislinger Allee 53–55 23558 Lübeck, Germany

www.draeger.com

### Manufacturer:

Drägerwerk AG & Co. KGaA Moislinger Allee 53–55 23558 Lübeck, Germany

Locate your Regional Sales Representative at: www.draeger.com/contact



REGION EUROPE CENTRAL AND EUROPE NORTH Drägerwerk AG & Co. KGaA Moislinger Allee 53–55 23558 Lübeck, Germany Tel +49 451 882 0 Fax +49 451 882 2080 info@draeger.com

### REGION EUROPE SOUTH Dräger Médical S.A.S. Parc de Haute Technologie d'Antony 2 25, rue Georges Besse 92182 Antony Cedex, France Tel +33 1 46 11 56 00 Fax +33 1 40 96 97 20 dlmfr-contact@draeger.com

## REGION MIDDLE EAST, AFRICA

Drägerwerk AG & Co. KGaA Branch Office P.O. Box 505108 Dubai, United Arab Emirates Tel +971 4 4294 600 Fax +971 4 4294 699 contactuae@draeger.com

## **REGION ASIA / PACIFIC**

Draeger Medical South East Asia Pte Ltd. 25 International Business Park #04-27/29 German Centre Singapore 609916, Singapore Tel +65 6572 4388 Fax +65 6572 4399 asia.pacific@draeger.com

## REGION NORTH AMERICA

Draeger Medical, Inc. 3135 Quarry Road Telford, PA 18969-1042, USA Tel +1 215 721 5400 Toll-free+1 800 437 2437 Fax +1 215 723 5935 info.usa@draeger.com

## **REGION CENTRAL**

AND SOUTH AMERICA Dräger Panama Comercial S. de R.L. Complejo Business Park, V tower, 10th floor Panama City Tel +507 377 9100 Fax +507 377 9130 contactcsa@draeger.com