

## Evita series / Savina Option Mask Ventilation NIV

Mask ventilation NIV for all your ventilation needs – from conventional to non-invasive ventilation



- Use of all ventilation modes
- Easy transition from invasive to non-invasive ventilator support
- Facilitate weaning effort
- Optimized alarm system
- Automatic leak compensation

### One device for conventional to mask ventilation

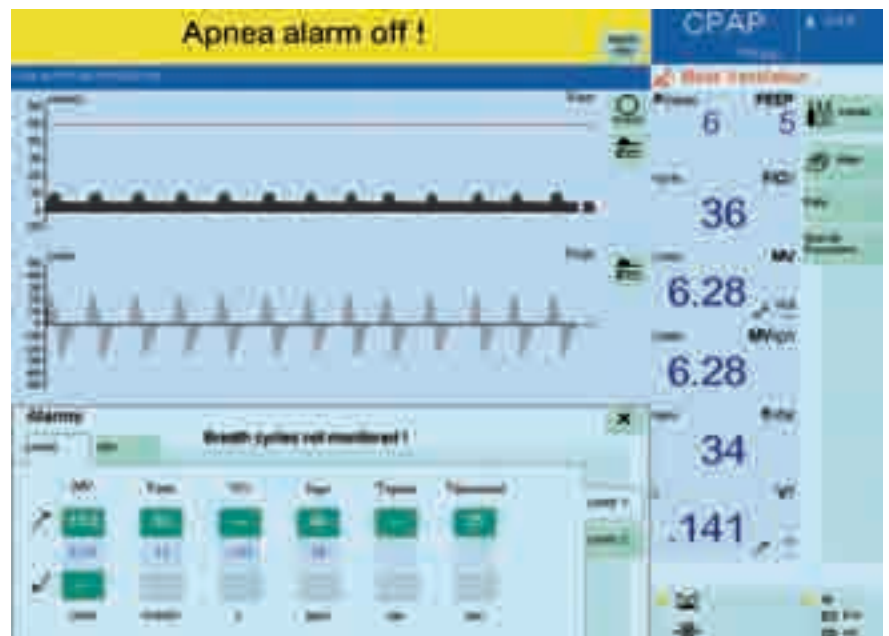
Non-invasive ventilation (NIV) has been shown to enhance the weaning process and reduce the need for intubation<sup>(2)</sup>. Until recently, mask ventilation and the transition from conventional ventilation to NIV required the use of a separate device. Dräger ventilators of the Evita series and the Savina offer all modes of ventilation in both NIV and conventional invasive ventilation. <sup>(1,2,3,4,5)</sup>

### Work smarter with optimized alarm system

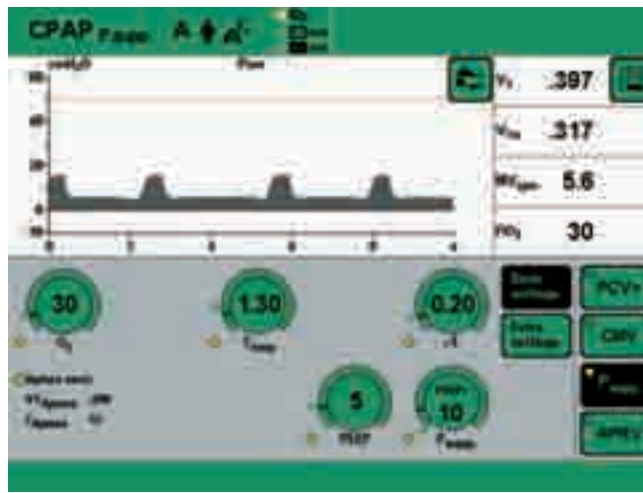
NIV Intelligent Alarms eliminate unnecessary alarms and allows the user to configure alarm settings accordingly to patient needs. A clearly visible displayed message, alerts the user to any deactivated alarms.

### Optimal patient ventilation with automatic leakage compensation

Several features of the Dräger NIV mode enhance patient comfort and patient-ventilator synchrony. When using mask ventilation, Leakage compensation becomes an important feature.



Draeger Medical's leak compensation will compensate for leaks up to 200% of the set  $V_t$  or up to 30L/min for pediatric patients. This assures a stable  $V_t$  delivery and consistent flow-trigger sensitivity in the presence of leaks.  $T_{insp}$  control has been added to allow the user to set a maximum duration for a pressure-supported breath in cases when the normal breath cycling criteria is not met. These features optimize patient ventilation with a more natural breathing pattern.



#### Literature

1. Tobin, Martin J.; Principles and Practise of Mechanical ventilation, Mc Graw Hill, 1994
2. Brochard, L. et al; Reversal of acute exacerbations of chronic lung disease by inspiratory assistance with a face mask, New England Journal of Medicine, Vol. 323, 1990
3. Elliott, M. W. et al; Non-invasive mechanical ventilation for acute respiratory failure, British Medicine Journal, Vol. 300, 1990
4. Bott, J. et al; A randomized study of nasal intermittent positive pressure ventilation in acute exacerbations of chronic obstructive airways disease, L ancet, Vol. 341, 1993
5. Meduri, G.U. et al; Noninvasive face mask mechanical ventilation in patients with acute hypercapnic respiratory failure, CHEST, VOL. 100, 1991

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The quality management system at Draeger Medical AG & Co. KG is certified according to ISO 13485, ISO 9001 and Annex II of Directive 93/42/EEC (Medical devices).

## Technical data

### Alarms

MV low	0.01 ... 60 L/min or off
$V_{Ti}$ high	0.110 ... 4 L or off
Apnea monitoring	5 - 60 s or off
$T_{disconnect}$	0 ... 60 s
$T_{insp}$ in CPAP/ $P_{supp}$	0 ... 4 s

## Order list

### Evita Series

- Option mask ventilation NIV (factory installed option)
- Kit mask ventilation NIV (for retrofitting on site)

Order no. 84 14 240

### Savina

- Option mask ventilation NIV (factory installed option)
- Kit mask ventilation NIV (for retrofitting on site)

Order no. 84 14 150

### Required software

- EvitaXL: SW 5.0 or higher
- Evita 4 / Evita 2 dura: SW 4.0 or higher

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