

## 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(2). 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. (1,2,3,4,5)

### 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.



Evita XL



Evita 4 edition

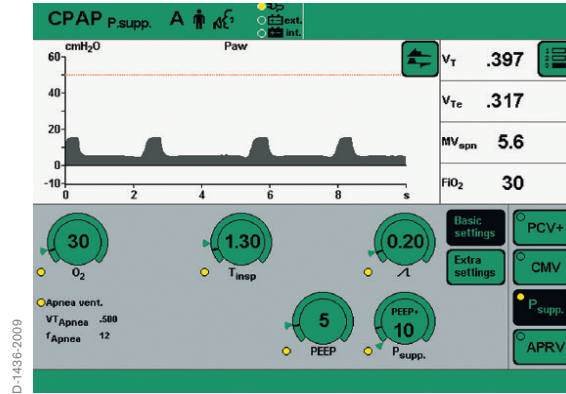


Evita 2 dura



Savina

Draeger's leak compensation will compensate for leaks up to 200% of the set  $V_t$  or up to 30 L/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.



## 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

Evita XL: SW 5.0 or higher  
Evita 4 edition / Evita 2 dura: SW 4.0 or higher

## TECHNICAL DATA

### Alarms

$MV$ low	0.01 ... 60 L/min or off
$V_{T_i}$ 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

### 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, VOI. 100, 1991

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The quality management system at Dräger Medical GmbH is certified according to ISO 13485, ISO 9001 and Annex II.3 of Directive 93/42/EEC (Medical devices).