

Evita XL Option NIV plus

NIV – Mask ventilation for all your patient needs



With the option NIV plus the Evita XL is enabled for sophisticated mask ventilation

- In all ventilation modes,
- With comprehensive monitoring,
- With optimized alarm adaptation and
- An automatic leakage compensation

ONE DEVICE FROM CONVENTIONAL TO MASK VENTILATION

Changing from conventional to mask ventilation usually requires a change of devices. With the NIV plus option the Evita XL can be easily configured for both applications.

NIV: PREVENT AND SHORTEN INTUBATION TIME

Mask ventilation generally may prevent intubation¹⁾. In other cases it complements the process of weaning intubated patients. The additional availability of mask ventilation in the recovery phase helps to improve workflows and potentially reduces the risk of reintubation¹⁾.

INTELLIGENT ALARMS AND PARAMETER ADAPTATIONS

When mask ventilation is chosen, alarms that are not applicable will not be displayed. In order to avoid artifacts, various alarm settings may be deactivated (e.g.: MV low, Vti high and Apnea monitoring).

AUTOMATIC LEAKAGE COMPENSATION

If using mask ventilation, leakage compensation becomes an important feature. With leakage compensation on, the patient receives the set volume Vt, (e.g.: leakages are taken into account when delivering tidal volume). The flow-trigger threshold and termination criteria are continuously adjusted according to leakages.

What's new with NIV plus:

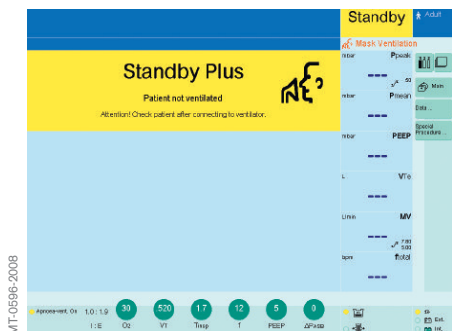
- Standby Plus
- Higher leakage compensation
- Anti-Air-Shower function

STANDBY PLUS

With Standby Plus (= auto wakeup) the Evita XL starts the pre-set mask ventilation as soon as the patient is connected and takes a first spontaneous breath.



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MIT-0596-2008

1) Ferrer M; Am J Respir Crit Care Med Vol 168. pp 1438–1444, 2003

HIGHER LEAKAGE COMPENSATION

In all pressure ventilation modes, the leakage compensation (flow delivery, trigger adaptation, measured values correction and waveform correction) is now set to a maximum range of 180 l/min for adults. For pediatrics and neonates this value is set to lower levels.

This allows sophisticated mask ventilation even if large leakages are present.

ANTI-AIR-SHOWER

In case the patient wants to talk, drink or eat, they may take off the mask. With the new Anti-Air-Shower function the Evita XL detects this disconnection and reduces high flow (e.g. for leakage compensation) to a minimum level. This may help to reduce a possible contamination of caregivers and ambient air. Accordingly reconnection is detected and ventilation will continue automatically with the previous settings.

**TECHNICAL DATA****Evita XL option NIV plus alarms**

MV low	0.01 ... 40 L/min or off
VTi high	0.110 ... 4 L or off
Apnea monitoring	5 - 60 s or off
Tdisconnect	0 ... 60 s
Ti max	0 ... 60 s

ORDER INFORMATION**Evita XL**

NIV plus - option mask ventilation (factory installed option)*		84 19 600
NIV plus - retrofit kit mask ventilation*		84 14 240
NovaStar® NIV mask with Standard Elbow, size S	1 pc.	MP01579
NovaStar® NIV mask with Standard Elbow, size M	1 pc.	MP01580
NovaStar® NIV mask with Standard Elbow, size L	1 pc.	MP01581
VentSet Basic, 150 cm (4.9 ft)	25 pc.	MP00300
VentSet Flex, up to 180 cm (5.9 ft)	25 pc.	MP00305
VentSet Coax, 150 cm (4.9 ft)	20 pc.	MP00315

* NIV plus: Required software of Evita XL: SW 7.0 or higher

HEADQUARTERS

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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).