

Option NIV

Dräger Evita Infinity® V500
Option NIV – Non-invasive ventilation for all your patient needs



With the option NIV, the V500 is enabled for sophisticated non-invasive ventilation

- In all ventilation modes*
- With comprehensive monitoring
- With optimized alarm adaptation
- Automatic leakage compensation*

ONE DEVICE FROM CONVENTIONAL TO NON-INVASIVE VENTILATION

Changing from invasive to non-invasive ventilation usually requires a change of devices. With the NIV option, the V500 can be easily configured for both applications.

PREVENT AND SHORTEN INTUBATION TIME

The use of non-invasive ventilation may help to prevent the need for intubation in both adult and pediatric patients.¹⁾ In other cases it complements the process of weaning intubated patients. The additional availability of non-invasive ventilation in the recovery phase helps to improve workflows and potentially reduces the risk of reintubation.¹⁾

INTELLIGENT ALARMS AND PARAMETER ADAPTATIONS

When using non-invasive ventilation, the caregiver may deactivate various alarm settings to avoid nuisance alarms such as MV-low, VTi-high and apnea monitoring.

AUTOMATIC LEAKAGE COMPENSATION*

When using non-invasive ventilation, leakage compensation becomes an important feature. When leakage compensation is active, the patient always receives the set tidal volume V_t , as leakages are taken into account during delivery. The flow-trigger threshold and termination criteria of each breath are continuously adjusted based on the patient interface leakage. Additionally, the set PEEP is maintained during leakage compensation.



* For adults and pediatrics.

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

What's new with NIV?

GREATER 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. These compensation values are set to lower levels for pediatric and neonatal patients. This allows for sophisticated, non-invasive ventilation even when large leakages are present.

ANTI-AIR-SHOWER*

In the event of a disconnection of the patient interface, the new Anti-Air-Shower* function will now detect the disconnection and reduce the flow to a minimum level. This may possibly help to reduce contamination of caregivers and ambient air. Accordingly when reconnection is detected, ventilation will continue automatically with previous settings.



Advantageous BabyFlow nasal CPAP

The BabyFlow nasal CPAP system is easy to apply and supplies stable CPAP at low operating costs through the use of standard patient tubing and reusable parts. The low noise level during nCPAP application supports developmental care.

TECHNICAL DATA

Option NIV alarms

MV low*
VTi high*
Apnea monitoring
Tdisconnect
Ti max

V500

0.01 ... 40 L/min or off
0.110 ... 4 L or off
5 - 60 s or off
0 ... 60 s
0 ... 60 s

ORDER INFORMATION

NIV - option mask ventilation (factory installed option)	8416400
NIV - retrofit kit mask ventilation	8416200
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 (4.9ft), 25 pc.	MP00300
VentSet Coax, 150 cm (4.9ft), 20 pc.	MP00315
Infinity® ID Coax	MP00342
BabyFlow disposable starter package	8418550
BabyFlow reusable starter package	8418435

* For adults and pediatrics.

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).