

Option NIV

Option NIV offers full non-invasive ventilation capabilities, bringing with it the advantages of reduced intubation and infection rates, speed up recovery times and shorten ICU length of stay.¹

- Savina® 300 Select
- Savina® 300 Classic



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ONE DEVICE FOR INVASIVE AND NON-INVASIVE THERAPY:

The Savina® 300 Select and Savina® 300 Classic simplifies the continuous implementation of an optimal ventilation strategy: The NIV option is designed to apply non-invasive ventilation in all modes.

When the patient needs to be moved from invasive to non-invasive, there is no need to change devices. Should intubation be necessary the therapist can quickly and easily switch to an invasive ventilation mode.

NIV HELPS REDUCE INTUBATION TIME:

Intubation has been associated to an increased risk for the development of ventilator-associated pneumonia², weaning difficulties and patient discomfort. Due to these risks, both intubation and invasive ventilation should be avoided whenever possible. NIV helps to avoid reintubation and shorten recovery times^{1,4}.

The use of NIV has been expanded to intensive care applications, including the treatment of acute chronic respiratory failure³. It is an excellent choice for intermittent application when partial respiratory support is needed.

NIV applied as a weaning method in COPD enables faster weaning and has a positive effect on decreasing mortality rates⁵.

EXCELLENT SPONTANEOUS BREATHING:

Savina 300 Select and Savina 300 Classic offers you state-of-the-art mask ventilation with stress-free spontaneous breathing with excellent trigger response time due to the turbine and its continuous high flow delivery of up to 280 l/min.

SENSITIVE LEAK COMPENSATION:

Leakage compensation is an essential part of mask ventilation therapy. With leakage compensation, the flow-trigger sensitivity is adjusted according to leak size. In volume-controlled modes, the patient always receives the set Vt. In pressure-controlled modes, the set pressure levels are continuously maintained. Despite the presence of large leaks, the Savina 300 ventilator's flexible leak compensation system continuously provides the exact amount of breathing gas needed to complement the patient's flow demand.

INCREASED PATIENT SAFETY AND IMPROVED COMFORT:

When mask ventilation is selected, alarms which are not applicable will not be displayed. In order to avoid artifacts, various alarm settings may be deactivated (MV low, Vti high and apnea monitoring). To improve patient safety, a clearly visible displayed message alerts the user to any deactivated alarms.



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Savina® 300 Select /
Savina® 300 Classic

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

² Collard HR, MD; Sanjay Saint, MD. Prevention of Ventilator-Associated Pneumonia

³ Becker H F, Schönhofer B, Burchardi H. Nicht invasive Beatmung. Vorwort, S 59; Thieme 2005

⁴ Ram FSF et al, The Cochrane Library 2005, Issue 4

⁵ Nava S, Ambrosio N, Clini E, et. al. Ann Intern Med. 128: 721 – 728; 1998



D-19571-2010

NovaStar® NIV full-face mask

Ultimate comfort and effective seal through customized fit and silicone-gel cushion: NovaStar NIV full-face mask is designed for non-invasive ventilation therapy. Because the mask covers the nose and mouth, it provides effective therapy, even in case of mouth breathing.



MT-0581-2007

ClassicStar® NIV full-face mask

The ClassicStar NIV full-face mask covers the nose and mouth of the patient. Therefore, it provides effective therapy even in case of mouth breathing. The mask design ensures high patient comfort combined with anatomical fit and effective seal due to individually adjustable mask cushion. The 6-point headgear provides a stable and secure fixation. Adjustable forehead support and forehead pad allow for distributing the pressure from the bridge of nose towards the forehead for more patient comfort. The ClassicStar NIV mask is for single-patient use.

TECHNICAL DATA**Option NIV alarms**

MV low	0.2 ... 40 L/min or off
VTi high	0.06 ... 4 L or off; with Pediatric Plus 0.03 ... 4 L or off
Apnea monitoring	15 – 60 s or off
Tdisconnect	0 ... 60 s
Ti max	0 ... 60 s
Leak compensation	optimized patient-ventilator synchrony adjusts the flow trigger and the inspiratory termination criteria for leaks. – tube application: up to 10 L/min – NIV VC-modes: up to 25 L/min – NIV PC-modes: not limited

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