



STARMed CaStar R

Hood for non-invasive mechanical ventilation (NIV)



Critical Care ▪ Patient Interfaces ▪ **STARMed**



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STARMed CaStar R hood for NIV

StarMed CaStar R

The CaStar R is a comfortable, versatile and lightweight patient interface for non-invasive mechanical ventilation (NIV) designed to offer an alternative to traditional methods of NIV delivery. The CaStar R is well tolerated for extended periods and can reduce the risks associated with both endotracheal intubation and face mask use. It can be used in semi-recumbent, supine and prone positions providing an ideal option for NIV therapy.

Technical Features

- Manufactured from phthalate-free materials
- 22M connectors compliant to ISO standard
- Comfortable and atraumatic underarm fastening straps
- Built in inflatable neck cushion
- Two versatile sealed access ports suitable for single or multiple lumen probes or catheters
- New design patient access port. Fitted with bi-directional anti-asphyxiation valve which opens automatically in the event of pressure failure
- Airtight sealing of the system is achieved by an elastic membrane making contact with the upper part of the torso, once the hood is inflated



CaStar R hood for NIV with inflatable neck cushion, bi-directional anti-asphyxiation valve and patient access port*

Code	Size	Neck circumference	Box Qty.
CP211XXL/2R	Extra Extra Large	≥50 cm	5
CP211XL/2R	Extra Large	45 – 52 cm	5
CP211L/2R	Large	40 – 47 cm	5
CP211M/2R	Medium	34 – 41 cm	5
CP211S/2R	Small	27 – 34 cm	5
CP211XS/2R	Extra Small	17 – 27 cm	5

[Make an inquiry](#)

Bibliography:

- Mojoli F, et al. An optimized set-up for helmet noninvasive ventilation improves pressure support delivery and patient-ventilator interaction, Intensive Care Med. 2013 Jan;39(1):38-44
- Vargas F, et al. Helmet with specific settings versus facemask for noninvasive ventilation, Crit Care Med. 2009 Jun;37(6):1921-8
- Mojoli F, et al. Carbon dioxide rebreathing during non-invasive ventilation delivered by helmet: a bench study, Intensive Care Med. 2008 Aug;34(8):1454-60
- Antonelli M, et al. New treatment of acute hypoxemic respiratory failure: Noninvasive pressure support ventilation delivered by helmet - A pilot controlled trial, Crit Care Med. 2002 Mar;30(3):602-8



Companion Products

A list of products which can be used to compliment the StarMed CaStar R hood (sold separately).



CP903



CP9086000



STR/019



CPMT6000

Code	Description	Box Qty.
CP903	Cuff inflation bulb for inflating the built in neck cushion	5
CP9086000	Earplugs for improving patient comfort during therapy	25
STR/019	CaStar Cap, 22mm ID	10
CPMT6000	StarMed Measuring Tape	50

Underarm Straps



Code	Description	Box Qty.
CP900	Underarm Straps for StarMed Hoods Small, Medium and Large	5

22mm Smoothbore Breathing Systems



Code	Description	Box Qty.
5018000	Smoothbore tubing, 22mm with soft end connectors, >1.8m	20
5018011	Smoothbore tubing, 22mm with leak port and pressure monitoring line, >1.8m	20

Flo-Guard

Low-resistance breathing filter

The Flo-Guard provides a combination of filtration performance with low-resistance. The Flo-Guard breathing filter is designed to protect the patient and machine against cross contamination, while maintaining a low resistance across a wide range of flow rates.

Electrostatic filter media

Providing an excellent filtration efficiency

Large surface area

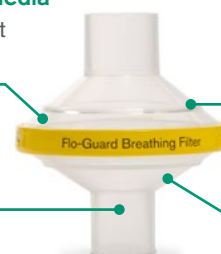
To reduce resistance to flow

Clear housing

For good visibility

Conical shape

To aid airflow



Connectors and Accessories

22mm straight connectors

22ID	22ID
Code	1967000
Box Qty.	35

22OD	30OD
Code	1970000
Box Qty.	35



STARMed CaStar R hood

For Non-Invasive Ventilation (NIV) and CPAP Therapy

The CaStar R Hood offers several clinical benefits for both the patient and the care providers. The hood interface helps to overcome many of the issues experienced with both endotracheal intubation and face mask use. The use of the hood interface has been associated with increased patient comfort and improved NIV and CPAP therapy outcomes, leading to reduced total ventilation time and ICU length of stay.

Benefits for the care giver

- **Easy hood positioning:** once the patient's head is in the hood the collar seals around the neck
- **The hood is available in six adult sizes:** fitting the majority of adult patients, sizes include XS – XXL, based on the neck circumference indicated on the measuring guide provided
- **Reduced nursing time:** the hood requires minimal repositioning and the neck seal is maintained by the lower collar
- **Easier management of the patient:** nursing functions can be easily provided via the large access port, resulting in only a short disruption to therapy
- **If the patient vomits:** any gastric content will move away from the airway avoiding the risk of aspiration

Benefits for the patient

- **Patient comfort:** no pressure from a mask on the patient's face and no headgear to tighten
- **Neck seal:** soft elastic membrane provides improved patient comfort and a high quality seal
- **Smooth ventilation support:** the whole hood environment is pressurized providing smooth ventilation support to the patient
- **Minimized claustrophobia:** the sensation of claustrophobia is reduced, as the hood removes the discomfort and the sense of suffocation associated with ventilator asynchrony*
- **Interaction possible:** the patient can speak, listen, drink and wear glasses while being ventilated

Resulting in improved therapy

- **Prolonged NIV application:** the hood is comfortable and well tolerated for long periods of ventilation
- **Reduced NIV failure and intubation rate:** the hood provides a comfortable patient interface which improves patient compliance thus reducing NIV failure
- **Continuous NIV application:** average ventilation tolerance periods appear longer with the hood versus a mask. With a mask, patients often have to be relieved from mask pressure every few hours.
- **Suitable for a wide variety of adult patients:** the hood can be used with a wide variety of adult patients regardless of face shape, edentulism** or beards
- **Lower levels of sedation:** the hood requires lower levels of sedation whereas patients using NIV masks often have to be sedated to prolong the compliance with the mask interface
- **Reduces total ventilation time and ICU length of stay:** due to successful NIV outcomes and uninterrupted therapy
- **Improved NIV success and reduced costs:** using the CaStar R hood reduces the length of ICU stays and the need for sedation, leading to cost savings
- **Highly efficient interface for CPAP:** large internal volume can provide an optimal CPAP level, with a minimal evidence of pressure changes even at low flows

*Ventilator asynchrony: a mismatch between the patient, regarding time, flow, volume or pressure demands of the patient respiratory system, and the ventilator.

**Edentulism: condition that results in one or more missing teeth.

The Intersurgical StarMed CaStar R NIV Hood is authorized by the FDA for the emergency use of ventilators, ventilator tubing connectors, and ventilator accessories under section 564(b)(1) of the Act, 21 U.S.C. § 360bbb-3(b)(1).



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