

# ReddyPort™ non-invasive ventilation products

Non-invasive ventilation (NIV) is the first line of therapy in respiratory insufficiency or failure, commonly seen with COPD, CHF<sup>1,2</sup>, Asthma<sup>3</sup>, pneumonia<sup>4</sup> or ARDS.<sup>5</sup> In addition, NIV is utilized to wean patients off mechanical ventilation. However, many patients struggle to tolerate NIV therapy because the mask causes dry-mouth, phlegm build-up, and difficulty communicating.<sup>6-8</sup> Mask intolerance is a major cause of NIV failure.<sup>9</sup> NIV failure can result in increased length of stay and poor outcomes.

Patient discomfort often results in removal of the mask by clinicians or patients in order to provide relief. However, this may lead to alveolar collapse<sup>10</sup> and worsening respiratory status. Frequent removal and replacement of the mask can lead to improper fitting that can cause pressure injuries.

ReddyPort products promote NIV success by helping improve tolerance, empower clinicians and patients with simplified oral access while maintaining therapeutic pressure without mask removal.



ReddyPort elbow compatible with Philips Respironics AF531 and PerforMax masks.



ReddyPort elbow compatible with Philips Respironics AF541 mask

## ReddyPort™ Elbow

ReddyPort features a proprietary elbow with self-sealing valve that provides access to the patient's mouth. ReddyPort™ Elbow, in combination with ReddyPort™ NIV Maintenance products, allows cleaning and moisturization of the patient's mouth without mask removal.

- Patented self-sealing valve seals with ventilator pressure and self-reverts.
- Includes an anti-asphyxia valve and connects to standard NIV tubing.
- Compatible with Philips Respironics AF531, AF541 and PerforMax NIV masks.

*"Being able to clean the mouth is such a blessing. She cannot be removed from the mask because of shortness of breath. We are very happy."*

Family of patient at Huntsman Cancer Hospital. Adult female with respiratory failure from pneumonia pulmonary edema, DNI status.



Silicone toothbrush being used to provide oral hygiene



Integrated protective guard appliances: applicator swab, suction swab, silicone toothbrush, yankauer with silicone tip and yankauer handle (shown left to right)

## ReddyPort™ NIV Maintenance

ReddyPort NIV Maintenance includes everything needed for oral hygiene to keep the patient's mouth clean and moisturized, without the risk and time required to remove the patient's mask.

- Single Use (24hr)
- **Integrated protective guard** provides a seal with ReddyPort Elbow attachment to grant oral cavity access
  - Allows cleaning and moisturizing of the oral cavity.
  - When appliance enters and exits the patients' oral cavity, protective guard prevents leakage and fluids from squeegeeing off the sponge when pulling appliances out of the mask.
- Maintains therapeutic pressure while cleaning and moisturizing, reducing mask removals
- Follows Q4 protocols for standard oral care procedures.
  - Addresses pneumonia risk factors by helping drive compliance to oral care protocols.
- Components:
  - Silicone toothbrush and oral rinse
  - Suction swab
  - Applicator swab and mouth moisturizer
  - Yankauer with silicone tip



Integrated protective guard

## ReddyPort™ Microphone and Controller\*

ReddyPort Microphone and Controller empower patients to speak up and share their needs. For clinicians and family members, it helps reduce the frustration that comes from not being able to hear the patient behind the mask, especially during a life-threatening illness.

- Microphone with integrated speaker seals with ReddyPort Elbow.
- System uses (DSP) digital signal processing to remove breathing noises and naturalize the patient's voice.
- Controller adjusts the volume of the patient's voice.
- Allows patients to communicate with clinicians and family without mask removal.
- Helps improve clinician and patient satisfaction.



Patient using microphone to communicate



Microphone with integrated speaker and Controller

For more information call **801.899.3036**.

\* Limited commercial release

#### References:

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