

HINTS AND TIPS

V2 NIV Face Masks

Keith

Production Operator
is 1.8m tall, his
V2 mask size is **XS**



MEASURING AND SELECTING THE CORRECT SIZE

Please note that our mask sizes are uniquely designed to optimise fit and seal across a diverse patient population. They do not directly correspond to common S/M/L sizing used by other manufacturers. For example, our small mask is comparable in size to most brands' medium. **Always use the sizing gauge to determine the correct fit and maximize therapy performance.**



STEP 1

Ensure the patient's facial muscles are relaxed and their jaw is closed. Using the sizing gauge, place the top of the gauge at the nasal bridge.



Note the size marking where the bottom of the chin bone aligns with the gauge. If between sizes, select the smaller size for a better seal.



TIP

Patients with beards, prominent facial tissue, or excess skin around the neck may require a larger size for an effective fit. For patients with small features or no teeth, a smaller mask may be required.

MASK APPLICATION



STEP 2

Remove the selected mask from its packaging. Attach the top two straps to the upper clips. The label should face outward.



STEP 3

Position the mask by rolling it from the chin upwards, covering the mouth and nose to create a seal. The chin cup provides stability and comfort, preventing upward displacement into the patient's line of sight.



STEP 4

Gently slide the headgear over the patient's head and clip in the bottom straps on both sides.



STEP 5

While facing the patient, adjust the Velcro® straps to align the mask comfortably with facial contours.



TIP

Do not overtighten - one finger should fit between the strap and the patient's skin.

LEAK CHECK AND ADJUSTMENTS



STEP 6

Ask the patient to exhale deeply and check for leaks around the nose, cheeks, or under the chin.



STEP 7

If required, adjust the strap at the crown of the head to correct minor leaks. This minimises discomfort and maintains a stable seal.



TIP
The V2 mask has a dual-seal design at the nasal bridge, so overtightening is unnecessary.



HINTS AND TIPS

MASK SIZING:

Length measurements are used to determine the size of V2 NIV mask that will best fit the patient. With 5 sizes available, P/XS/S are the most common.

MASK REMOVAL:

Unclip the bottom two quick-release clasps, roll the head straps back over the head, then lift the mask away from the nose and chin.

SKIN PROTECTION:

- Perform facial skin assessments on admission and every 4 hours during NIV therapy.^[1]
- If blanchable or non-blanchable erythema is observed, apply a thin foam dressing (e.g. under the nasal bridge or chin) to redistribute pressure.^[1]

NASAL BRIDGE PROTECTION:

The deep sealing flange at the nose bridge provides a low-pressure seal, reducing the tendency to overtighten. Nasal bridge ulceration, which can be caused by overtightening, is the most common problem (5-10%) during NIV therapy and may be severe enough to result in NIV failure.^[2]

NG TUBE SECUREMENT:

Apply a Metro Seal™ NG securement device before mask fitting to reduce leaks.

ALTERNATE THERAPIES:

Consider intermittent breaks with nasal cannula or high-flow oxygen to maintain comfort and allow clustered care (e.g. medications, oral care).^[2,3]

METRO SEAL™



STEP 1

Identify and mark where the tube will intersect the mask's sealing flange, then clean the area on the patient's face.



STEP 2

Peel off the release film to expose the adhesive.



STEP 3

Align the Metro Seal™ with the marked location and apply it to the patient's face, ensuring its curvature follows the mask flange.



STEP 4

Place the tube into the exposed groove of the Metro Seal™.



STEP 5

Place the mask on the patient to confirm the Metro Seal™ is fully covered and correctly positioned; reposition if needed.



STEP 6

Fit the mask and headgear as usual, then visually confirm that the Metro Seal™ is properly aligned and that no leaks are present, adjusting as required.

MASK SIZE COMPARISON

Eakin Healthcare V2 Mask Sizes

Most Ordered					
P	XS	S	M	L	
XS	S	M	L	XL	

Common Competitor Mask Sizes

References:

1. Gefen, Amit, et al. "Device-Related Pressure Ulcers: SECURE Prevention, Second Edition." *Journal of Wound Care*, vol. 31, no. Sup3a, 1 Mar 2022, pp. S1–S72, <https://doi.org/10.12968/jowc.2022.31.sup3a.s1>.
2. Davidson, A Craig, et al. "BTS/ICS Guideline for the Ventilatory Management of Acute Hypercapnic Respiratory Failure in Adults." *Thorax*, vol. 71, no. Suppl 2, 14 Mar 2016, pp. ii1–ii35, <https://doi.org/10.1136/thoraxjnl-2015-208209>.
3. Amir Emami Zeydi, et al. "Mask-Related Pressure Injury Prevention Associated with Non-Invasive Ventilation: A Systematic Review." *International Wound Journal*, vol. 21, no. 6, 1 June 2024, <https://doi.org/10.1111/iwj.14909>.



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