

Oxymizer[®]

The High-Flow, Comfortable Alternative to the Mask

The Oxymizer[®] disposable reservoir cannula provides more comfortable high-flow oxygen delivery than a mask or high-flow cannula while facilitating equivalent patient oxygenation. Its unique, patented design offers the following exclusive benefits:

Enhanced Patient Comfort

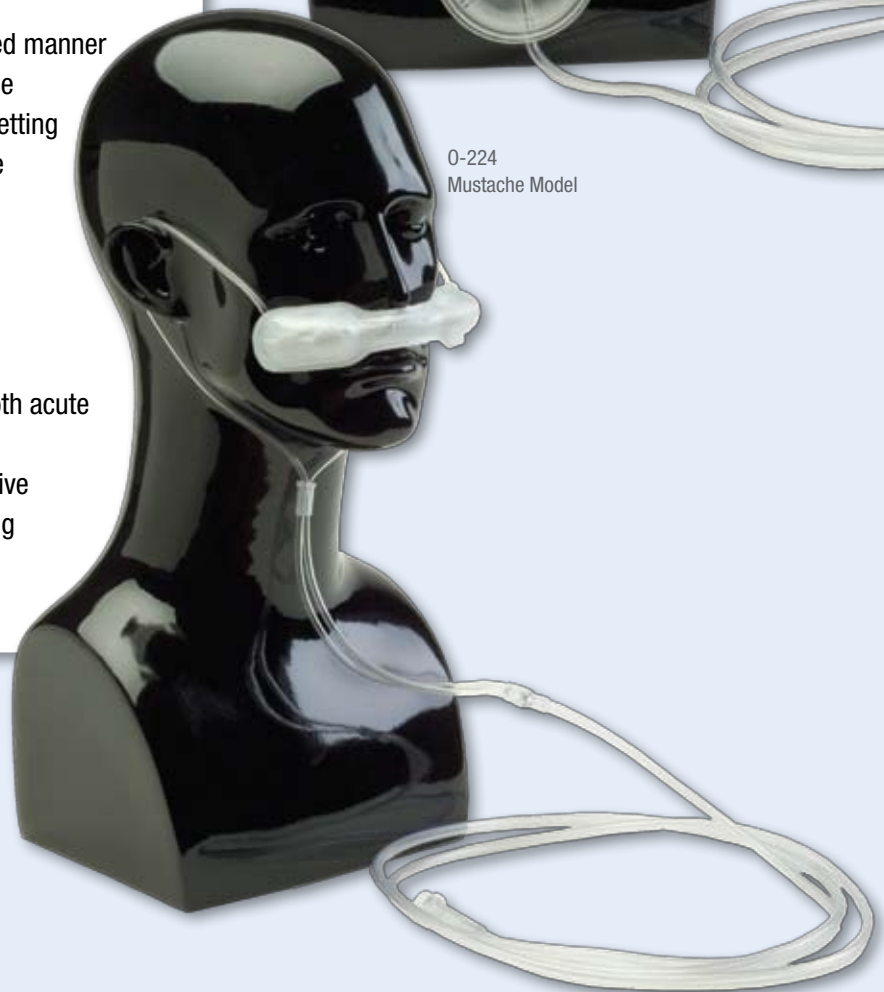
- Allows patients to eat, drink and talk in an unobstructed manner
- Reduces patient anxiety, thereby increasing compliance
- Allows high-flow therapy to continue in a home care setting by reducing the liter flow required to achieve adequate saturation, facilitating earlier patient discharge

Clinical Efficacy

- Effectively oxygenates hard-to-saturate patients, including some with refractory hypoxemia
- Supported by clinical studies that validate its use in both acute and home care settings
- Accommodates the use of handheld nebulizers, incentive spirometers and suctioning devices without interrupting oxygen therapy
- Proven to deliver FiO₂ of 50% - 65% at 6-8 lpm



P-224
Pendant Model



O-224
Mustache Model

CHAD[®]
therapeutics

2975 Horseshoe Drive South, Suite 600, Naples, FL 34104 • www.chadtherapeutics.com • 800-423-8870 ext. 300 • FAX 239-687-1285

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Oxymizer®

Theory of Operation

Both the pendant- and mustache-style models feature an oxygen-storage reservoir:

The reservoir functions similarly in both models:



Pendant Model (P-224)

◀ The reservoir for the **pendant model** is contained in a hard plastic circle-shaped chamber that rests on a patient's chest, under their clothing.



Mustache Model (O-224)

◀ The reservoir for the **mustache model** is contained in a chamber in the facepiece that sits directly under a patient's nose.

Upon exhalation, the reservoir is thrust forward, creating a chamber that stores oxygen. ▶



Exhalation

Membrane pushed forward creates the chamber to capture oxygen

Upon inhalation, the membrane is drawn toward the patient, delivering a bolus of 80-100% pure oxygen in addition to continuous flow. ▶



Inhalation

Membrane drawn back collapses the chamber to deliver oxygen

Oxygen Delivery Efficacy

By delivering an oxygen-enriched bolus at the beginning of inhalation in addition to continuous flow, the Oxymizer® devices can achieve the following FiO₂ levels:

Liter Flow (LPM)	.5	1	2	3	4	5	6	7	8	9	10	11	12
Peak FiO ₂ Derived From Model*	26%	28%	32%	38%	41%	46%	52%	58%	64%	67%	72%	77%	82%

*FiO₂ measured at the trachea of a head extension model of a mechanical lung with I:E ratio of 1:1, 16.5 bpm, and tidal volume of 500 ml. Actual FiO₂ will vary with rate and depth of breath.

Model Options

- O-224 Mustache style – case of 24
- P-224 Pendant style – case of 24

