

NITRONOX PLUS®

Demand Flow Nitrous Oxide & Oxygen Systems



50/50 Fixed O₂ /N₂O



0-50% Adjustable N₂O



0-70% Adjustable N₂O

PORTER

The Trusted Name In Nitrous

The next generation of Nitronox® features a sleek new design and a choice of fixed or adjustable nitrous oxide, PLUS so much more!



The solution you have been asking for is here.

The Nitronox® name is synonymous with quality and the ability to effectively reduce patient pain and anxiety during minimally invasive medical procedures. Nitronox Plus builds on decades of that success and is the culmination of years of gathering user feedback to design a device that offers healthcare professionals the functionality they've asked for.

Adjustable nitrous oxide in a demand flow system now available.

Previously, demand flow systems only offered a fixed 50/50 mixture while continuous flow systems offered the ability to adjust the percentage of nitrous oxide. Porter has taken the benefits of an adjustable continuous flow system and combined them into a new demand flow system that allows for a predictable patient experience. Now available are options that offer 0-50% or 0-70% adjustable nitrous oxide along with a new 50/50 fixed system. These 3 new models allow you to choose the system that best fits your needs. Regardless of application, Nitronox Plus has the right option for you.



Demand flow system with enhanced features.

Nitronox Plus provides healthcare professionals with features not available in other demand flow systems.

- Designed for use with children and adults
- Available in fixed or adjustable mixture concentration models
- Key lock mechanism for safety and security
- Audible low gas pressure alarm
- Internal, but accessible demand valve
- Safety function test button



Designed to meet infection control standards.

- One-way directional flow of inhaled and exhaled gas
- Single-use masks and mouthpieces
- Front panel user interfaces designed to prevent surface cleaners and disinfectants from entering the device

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Features

Emergency air intake valve – allows patient to pull in room air through breathing circuit should gas supply run out

3 visual gas pressure gauges – real time confirmation of gas supply and gas mixture pressure

Built-in oxygen failsafe – prevents the flow of nitrous oxide without oxygen



Mixed gas outlet – breathing circuit connects here

Single adjustable nitrous oxide knob – easily control the percentage of nitrous oxide (adjustable models only)

On/off key lock for security – nitrous oxide will only flow in the on position, oxygen flows in either position

Audible low gas pressure alarm – alert indicates either low oxygen or nitrous oxide gas pressure

Diameter indexed safety system (DISS) connections – prevents crossing of gas lines

Demand valve access panel – offers quick access for in-field servicing



Built-in demand valve – designed for both pediatric and adult patients

Function test button – easy access to perform periodic safety and function tests

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Applications & Procedures

Nitronox Plus® is ideal to help reduce patient pain and anxiety for minimally invasive medical procedures including:

Hospital Use

- Labor and Delivery
- Emergency Departments
 - > Laceration repair
 - > Setting broken bones/dislocations
 - > IV placement
- Radiology
 - > Catheter insertion
 - > CT Scans
 - > PICC lines
- Oncology
 - > Biopsies
 - > Infusion Therapy
 - > Tumor ablation
- Burn Units
 - > Wound debridement

In-Office Procedures

- Medical Aesthetics
 - > Dermal filler injections
 - > Body contouring
- Dermatology
 - > Biopsies
 - > Microdermabrasion
- Plastic Surgery
 - > Non-invasive fat reduction
 - > Neurotoxin injections
- Urology
 - > Vasectomy
 - > BPH treatment
- OB/GYN
 - > Endometrial ablation
 - > IUD insertion/removal

Why Nitronox Plus?

- Choice of fixed or adjustable demand flow system
- Combined benefits of continuous and demand flow systems
- Simple to use
- Designed to meet infection control standards
- Multiple system configurations available
- Manufactured and serviced in the USA
- Porter has been manufacturing nitrous oxide and oxygen systems for over 50 years
- 3-year warranty



Nitronox Plus on 2-Cylinder Stand

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