

# PORTER

*The Trusted Name In Nitrous Oxide Systems*



## **Nitronox™ Demand Flow** **Nitrous Oxide And Oxygen Analgesia System**

**Fixed 50%/50% N<sub>2</sub>O and O<sub>2</sub>**  
**Pain Management**  
**Patient Self-Administered**  
**Fast Acting/Short Duration**  
**of Effect**



[www.PorterInstrument.com/Nitronox](http://www.PorterInstrument.com/Nitronox)

# Porter Instrument – The Leader In Nitrous Oxide And Oxygen Systems For Over 40 Years.

When safety, precision, reliability, and ease of use are critical, Porter nitrous oxide and oxygen systems are the number one choice of health care professionals around the world.

Porter is here to support and assist you as you start the process to implement a nitrous oxide and oxygen program at your facility. In addition to the quality and reliability of our products, we can provide you with:

- **SAMPLE POLICIES**
- **ARTICLES AND STUDIES**
- **ON SITE IN-SERVICE AND ONLINE TRAINING INCLUDED WITH PURCHASE OF EQUIPMENT!**
- **CONTACTS AT OTHER FACILITIES**

We look forward to helping you and your team!

## **BENEFITS OF NITROUS OXIDE AND OXYGEN FOR LABOR AND DELIVERY APPLICATIONS**

- Proven safe – Decades of use globally
- Ease of administration – Non-invasive
- Fast acting analgesic – Takes effect in minutes
- Short duration of effect – Wears off in minutes
- Additional pain management tool
- Attract new patients
- Patient self administered – Empower patients to control their own pain management
- Ideal for use during labor as well as post birth procedures
- Improves patient satisfaction
- Cost effective and low cost of use

## **Safety Features**

- Fixed 50/50 N<sub>2</sub>O and O<sub>2</sub> delivery
- Built in oxygen fail-safe
- Demand flow – Patient only receives what they inhale
- Patient self-administered
- Audible mixture pressure alarm
- Visual gas pressure and mixture gauges
- O<sub>2</sub> enrichment feature
- Lock out feature to prevent use
- Scavenging – Can connect to any vacuum or WAGD source
- E-stand mobile cart holds ready-to-use reserve gas cylinders

**The Porter Nitronox™ E Cylinder Packages include the Nitronox demand flow system, Nitronox Scavenger Tube, and either a 4 or 2 cylinder mobile cart.**

## **Porter Nitronox Facts**

- Manufactured and serviced in the USA
- Proven technology and safety record
- Track record of durability
- Experienced and knowledgeable sales/service team
- In-service training available

### **For more information contact:**

Ph: 888-723-4001

Email: porternitrous@parker.com

# Nitrous Oxide and Oxygen – A Safe, Proven Method For Women In Labor To Control Their Pain Relief



Porter Nitronox

Join the growing number of hospitals and birth centers offering Porter Nitronox™ with great success. Decades of use around the world, clinical research and successful practice have shown that the inhalation of 50% nitrous oxide and 50% oxygen provides safe, fast, and effective pain relief in a variety of medical settings including labor and delivery. The inhaled analgesic takes effect quickly, has few contraindications and side effects, and best of all, a short duration of effect of only minutes.



Patient Self-Administered

Patients like using Nitronox because it's self-administered, empowering them to safely and effectively help them manage the discomfort of labor and post-birth procedures while remaining alert and conscious.

Hospitals and birth centers like using Nitronox because it provides an additional pain management tool while helping them to attract and retain new patients, improve patient satisfaction, and for birth centers, potentially reduce transfers.

## What Patients Are Saying

Here are some quotes from a recent survey showing what new mothers had to say about their experiences with Nitronox during and after labor.

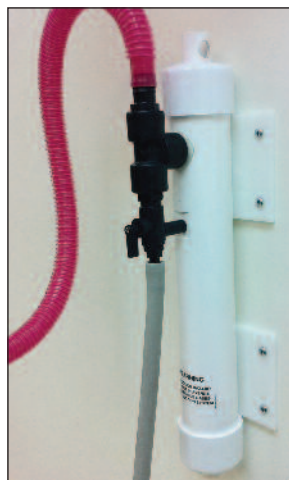
*"Knowing I would have access to a pain aid that would not interfere with the health of my baby or my ability to move and labor in the way I wanted was very appealing."*

*"I liked that I was in total control and was able to regulate how much or how little I needed. I also liked the fact that the gas did not take away my ability to feel the pain or listen to what my body was telling me to do."*

*"During stitching after the birth – it caused me to relax and not feel the anxiety I usually have with needles or any pain associated with the experience."*

## Safe Scavenging

Ensure safe working environments for your staff by meeting OSHA suggested guidelines. All Porter systems have scavenging capabilities for safe and efficient removal of exhaled waste gas. The Nitronox Scavenger Tube connects directly to your wall vacuum or WAGD outlet connections, allowing the exhaled gas to be safely vented to the outside environment. If you do not have a central vacuum system, the Porter Mini Vacuum is the perfect solution.



Nitronox Scavenging Tube

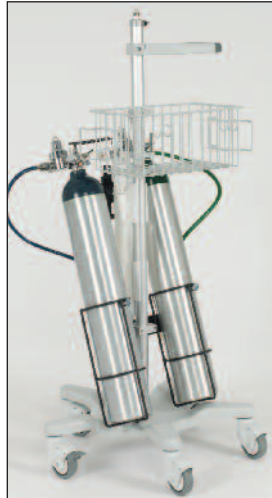


Mini Vacuum System

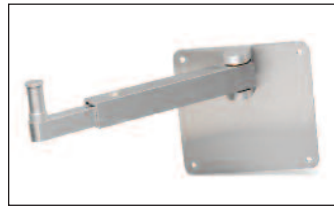
## Nitronox Mounting Options



**4 Cylinder E-Stand**  
2 - O<sub>2</sub> and 2 - N<sub>2</sub>O



**2 Cylinder E-Stand**  
1 - O<sub>2</sub> and 1 - N<sub>2</sub>O  
(or 2 N<sub>2</sub>O)



**Wall Arm Mount**  
Custom mounting options  
available for Booms, Walls,  
Rails, and more.



**Breathing Circuit Mask**



**Breathing Circuit**



**Breathing Circuit Mouthpiece**

## Nitronox Specifications

<b>Nitronox Housing Dimensions (H x W x D)</b>	9" x 5 1/2" x 5"
<b>Portable Stand Dimensions</b>	
Overall Height Stand	49" max – 41" min
Stand Width at Base	22"
<b>Weight</b>	8.2 pounds
<b>Mixed Gas Outlet Connection</b>	Black hose to quick disconnect to Demand Valve
<b>Oxygen Inlet</b>	DISS 1/2" OD (Diameter Indexed Safety System) Green Hose
<b>Nitrous Oxide Inlet</b>	DISS 3/8" OD (Diameter Indexed Safety System) Blue Hose
<b>Inlet Pressure (Each gas)</b>	50 – 55 psi (adjusted at E-Stand); 40 – 65 psi (central gas supply; O <sub>2</sub> input pressure cannot exceed N <sub>2</sub> O input pressure by 15 psi or higher
<b>Instantaneous Flow Capability</b>	114 LPM Maximum
<b>Delivered Mixture Concentration</b>	50% N <sub>2</sub> O and 50% O <sub>2</sub> (+/- 5 percentage points O <sub>2</sub> ; at typical deep breathing)
<b>Nitronox Scavenger Vacuum Connection</b>	3/8" ID vacuum hose on 3/8" hose barb
<b>Scavenger Hose</b>	19 mm ID
<b>Vacuum Flow (dependent on vacuum source)</b>	30 – 35 LPM Maximum (ball valve lever in full on position)
<b>Operating Temperature</b>	40°F (5°C) minimum; 140°F (60°C) maximum

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