

PORTER

The Trusted Name In Nitrous

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NITROUS OXIDE FACTS

1. Nitrous oxide has **safely** been used as an inhalation analgesic for decades.
2. Nitrous oxide has low solubility in the bloodstream, making its effects **quickly reversible** with oxygen.
3. Nitrous oxide is a **safe, non-toxic** gas that is not metabolized in the body.
4. Nitrous oxide and oxygen **analgesia** eliminates patient fear and anxiety.
5. Nitrous oxide greatly **reduces the anticipation and discomfort** from injections.
6. Nitrous oxide enhances **patient cooperation** and maximizes the dentist's productivity.
7. Nitrous oxide creates a **pleasant working environment** for both dentist and staff with less tension in the operatory setting.
8. Nitrous oxide is a **practice builder** – patients who have pleasant experiences at the dentist's office tell their friends.
9. Nitrous oxide creates **higher case acceptance**, helping to sell more dentistry.
10. The patient never receives less than 30% oxygen, ensuring a **safe gas mixture**. (By comparison, room air is only 22% oxygen.)
11. Most patients have a pleasant experience at levels between **40-50% nitrous oxide**.
12. All nitrous oxide flowmeters should have an oxygen fail-safe, emergency air intake valve, and non-rebreathing valve. Flowmeters without **ALL** of these features should immediately be removed from service.

13. Porter Instrument has **never** manufactured a flowmeter without a **failsafe, air intake valve and NRV**.
14. Most dental schools teach students about nitrous oxide but not from a **practice management** viewpoint.
15. Nitrous oxide used as analgesia has an **ADA Procedure Code: #D9230**.
16. At an average cost of use of \$10 per patient, and an average fee of \$50 per patient - nitrous oxide is a chargeable procedure that creates **significant practice revenue**.
17. **Nitrous oxide/oxygen sedation carries the same insurance rating (liability) as local anesthetic.**
18. The cost of gases **using small “E” cylinders is 5 times more expensive than having a central tank room.**
“E” Cylinder Cost: \$4.24 for a 30 minute procedure
Central System Cost: \$.78 for a 30 minute procedure
Rule of Thumb: Using nitrous oxide once a day justifies a central system
19. The **National Fire Protection Association (NFPA)** has a specific code for installing medical gases in a dental office (Level 3) that differs from the code for a hospital (Level 1) or emergency care center (Level 2).
20. Important: An office using nitrous oxide will, on average, use **four oxygen cylinders** for every **one nitrous cylinder**.
21. Dentists are concerned about the **safety of their staff** (particularly females of child-bearing age) when using nitrous oxide – a slam dunk for the superior Porter scavenger system.
22. OSHA has established a **25 ppm TWA** (time weighted average) exposure rate for nitrous oxide in a dental office as safe for workers.
23. VCU, Virginia Commonwealth, has published a credible scavenger study proving the efficiency of the Porter Scavenger over MatrX and Accutron.
24. Only Porter offers an **autoclavable double mask scavenger system**.
25. Flowing too much gas, mouth breathing and poor mask fit are the main reasons for high ppm readings in an operatory when using a scavenger.