

PRO-NOXTM

Nitrous Oxide Delivery System

QUICK GUIDE

1 Attach circuit to PRO-NOX



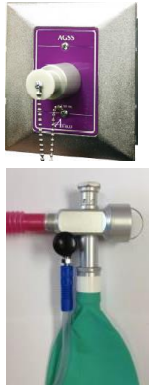
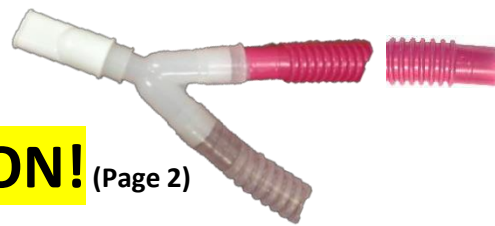
Ensure PRO-NOX is turned on and gas is connected

Attach filter end of circuit to the PRO-NOX as shown. Use only circuit WES9303.

2 Connect scavenge tubing to wall outlet and scavenger.

TURN SCAVENGING SYSTEM ON! (Page 2)

Scavenging of exhaled gases has been shown to reduce inadvertent exposure to nitrous oxide. Using PRO-NOX in a well-ventilated room along with proper patient instruction will also help minimize environmental nitrous oxide exposure. Wall AGSS/WAGD must be passive to permit direct connection to pt. circuit without an additional scavenger interface.



3 Have patient hold the circuit and maintain a seal with mask or mouth-piece while breathing in and out



Pain-relief will occur with 30-90 seconds of breathing through the PRO-NOX. PRO-NOX can be used to treat pain related to labour, trauma, or medical procedures. (see user manual for list of contraindications).

Pt. must hold the mask/mouthpiece themselves. If they are unable, choose alternate method of pain control.

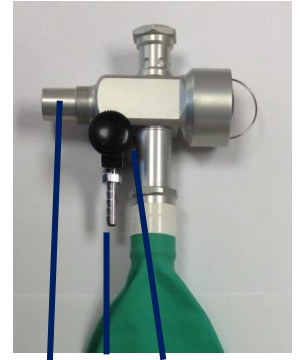
4 Discard circuit and filter. Wipe PRO-NOX with disinfectant. Recircuit.

See User Manual for complete cleaning and maintenance instructions.



Hooking up the scavenger (when using active scavenging)

1. Ensure the magenta tubing is firmly connected to the patient valve and to the 19mm inlet of the scavenger (A).
2. Connect the suction hose from the hose barb of the scavenger (B) to the suction regulator.
3. Turn the suction regulator to 'line' or full suction.
4. Open the flow-control valve by turning the black knob (C) counter-clockwise. You may leave this wide open. Or you can adjust it to minimize noise, ensuring the bag does not fully inflate as the patient breathes out.
5. Leave the suction on until the patient is no longer using the PRO-NOX Nitrous Oxide Delivery System, then turn off the suction regulator.



A B C

Instructing the patient

The following is an example of instructions to give the patient when they are about to use the PRO-NOX Nitrous Oxide Delivery System for the first time. Substitute 'mask' with 'mouthpiece' as appropriate.

"Take the hose with the mask. When you feel the pain starting, or when instructed, hold the mask to your face and take slow deep breaths. You will hear the pain-relief gas being delivered. Keep the mask against your face as you breathe in and out. Within a few breaths you will start to feel more relaxed, and the pain will be lessened. You may also feel a little bit dizzy.

"If you feel sick to your stomach, remove the mask and breathe deeply from the room. The feeling will quickly go away.

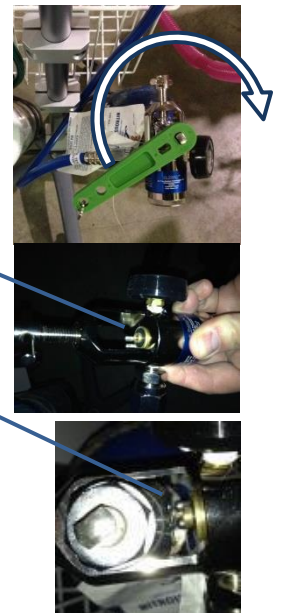
"This will not completely remove the pain, but will make it less intense and more tolerable.

"When the pain lessens, remove the mask from your face and breathe normally. Keep the mask close so you can use it when needed."

Changing a cylinder

When the PRO-NOX machine alarms to indicate a cylinder is low, follow these steps.

1. Use the cylinder wrench to turn the yoke valve clockwise to firmly close the low cylinder. If you are changing the nitrous oxide (blue) cylinder, you may also want to close the oxygen cylinder to stop the audible alarm.
 2. Turn the regulator T-bar counter-clockwise to loosen the regulator from the cylinder. Lift the regulator off the yoke and replace the cylinder. Ensure the regulator still has the washer around the gas inlet
- Note: There is no need to undo or loosen any other connections.
3. Remove any protective wrap from around the yoke of the new cylinder.
 4. Place the regulator over the yoke of the new cylinder, lining up the index pins and gas inlet so they slide into their receiving holes.
 5. Hand-tighten the regulator T-bar so the regulator is firmly attached to the cylinder yoke.
 6. Use the cylinder wrench to slowly open the cylinder yoke valve by turning the valve counter-clockwise. Keep turning the cylinder wrench until it will not turn any more. Do not force.
 7. If both cylinders were closed, opening the nitrous oxide cylinder first will prevent unnecessary audible alarms.
 8. Listen for leaks at the yoke and at either end of the hose. Tighten connections as required.
 9. Check the cylinder pressure on the regulator gauges. A full nitrous oxide tank will read approximately 750 psi. A full oxygen tank will read approximately 2200 psi.
 10. Check the supply pressure indicators on the front of the PRO-NOX unit. Both indicators should be green. Resume using the PRO-NOX Nitrous Oxide Delivery System.



** The audible alarm may 'chirp' at the beginning of inspiration. This may be due to the high flow demands of a patient breathing in quickly, or may indicate the cylinder is approaching the pressure where the alarm will become continuous and the cylinder will need to be changed.

Pre-Use Checklist for Pronox

- If unit is connected directly to wall ensure both Oxygen and Nitrous Oxide are securely connected and no leaks are heard.
- If unit uses tanks, ensure both tanks are fastened securely and not leaking. There is a seal between the tanks and the unit and this seal needs to be installed and in good shape. A leak can usually be heard when the tanks are turned on.
- Ensure all tubing is in good shape and no visible cracks are found.
- Ensure the scavenging hose is properly connected to the wall and turned on. You will hear the suction from the scavenging system.
- During use ensure the patient exhales into the mouthpiece or mask prior to removing from their face.
- Failure to properly connect and turn on the scavenging or improper use of the mask while exhaling will elevate Nitrous Oxide levels in the surrounding area.

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