

Porter Breathing Circuit System Quick Start Guide

1. Pre-Check



WARNING: If precheck test cannot be executed successfully, do not use this device and contact distributor.

Leak Test

1	With the flowmeter, bag tee and Porter Breathing Circuit System fully assembled, remove the nasal hood assembly (1) and one of the two connectors (2) from the coaxial tubing (3).	
2	Join the two ends of the coaxial tube together using the remaining connector to make a closed system.	
3	Set the flowmeter to deliver 100% oxygen and fill the breathing bag. Do not overinflate the breathing bag. Once the breathing bag is filled, turn the flowmeter off.	
4	Observe the breathing bag for five minutes. The breathing bag should remain inflated.	
5	If the bag does not stay inflated, this indicates that the breathing bag or the Porter Breathing Circuit system is exhibiting an excessive leak. Replace any parts that leak and retest until results are successful.	
6	Disconnect one end of the coaxial tube from the plastic connector and using the connector that was previously removed, re-install the nasal hood assembly.	
7	Inspect the breathing bag and Porter Breathing Circuit System for damage, replace any part that has been damaged. Note: The main cause for a leak within the circuit is the flapper valve. To ensure proper functionality, inspect the flapper valve within the inner nasal hood for wear or tear.	

2. Operating Instructions for the Porter Breathing Circuit

1	Before the procedure starts, if desired, adjust the flowmeter to 100% O ₂ ensuring the patients first breaths are 100% O ₂ .	
2	Locate the alignment marks within the nasal hood inner liner and the outer nasal hood. Align and insert the inner liner into the outer nasal hood. Note: Ensure that the connection point of the inner liner is fully seated into the connection point in the outer nasal hood.	
3	Place nasal hood assembly onto the patient so that the inner liner is secure to the patient's face to avoid leaks. Note: Outer nasal hood should not be against the face.	
4	Instruct the patient to inhale through the nasal hood. Patient should also be instructed to exhale through the nasal hood to achieve effective scavenging.	
5	Monitor the vacuum conditions during the procedure and adjust vacuum flow as necessary to maintain effective scavenging.	
6	If patient shows signs or communicates conditions of over-sedation, adjust the flowmeter to 100% O ₂ .	
7	At The completion of the procedure, administer 100% Oxygen for several minutes to remove excess N ₂ O and prevent N ₂ O exposure in the environment. Remove the breathing circuit from the patient and dispose of any disposable parts.	
8	To remove the inner liner, hold the outer nasal hood (1) in one hand and pinch the top and bottom of the inner liner (2) with thumb and forefinger then pull outward.	

3. Cleaning

The Porter Breathing Circuit is a reusable device that includes a disposable or reusable nasal hood. Disposable nasal hoods should not be cleaned. Reusable components of the device must be cleaned between each use in order to prevent the spread of infections. **Refer to FM-809 for complete validated cleaning instructions.**



WARNING: When using single-use breathing circuit components, dispose of after the procedure to prevent patient cross-contamination. Do not attempt to clean, sterilize, sanitize, or reuse.



WARNING: To prevent potential patient harm, do not use dry heat or chemical sterilization methods.

Disposal (No Cleaning or Sterilization)

The following Disposable products are Single Use Only:

- Disposable Nasal Hood Inner Liners

Cleaning

Option 1: Manual Cleaning Method #1 (If Manual Cleaning Only)

The following reusable components may be cleaned using Manual cleaning method #1:

- Vacuum Controllers
- Breathing Bag

Option 2: Manual Cleaning Method #2 (Manual Cleaning Only or Prep for Sterilization)

The following reusable components may be cleaned using Manual cleaning method #2:

- Fresh Gas Corrugated Tubing

Note: After 50 sterilization cleaning cycles it is recommended to inspect the tubing for wear and tear after each subsequent use.

- Coaxial Hoses

Option 3: Automated Cleaning (Automated Cleaning Only or as Prep for Sterilization)

The following reusable components may be cleaned using the Automated cleaning method:

- Fresh Gas Corrugated Tubing
- Reusable Outer Nasal Hood and Inner Liner

Sterilization

For **Steam Sterilization** - Sterilize items that are in direct contact with the patient.

The following reusable components **may be** sterilized:

- Fresh Gas Corrugated Tubing

The following reusable components **should be** sterilized:

- Reusable Outer Nasal Hood and Inner Liner
- Coaxial Hoses

4. Safety Information



WARNING: This product can expose you to chemicals, including lead and formaldehyde, which are known to the State of California to cause cancer, birth defects, or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.



WARNING: Do not use this device for the administration of general anesthesia or as part of, or in conjunction with, a general anesthesia administration system.



WARNING: Workers exposed to excessive N₂O may suffer harmful effects. The healthcare professional is responsible for employing proper techniques, such as scavenging, room ventilation, system maintenance, and patient compliance to reduce exposure. (ACGIH recommends a Threshold Limit Value of 50 parts per million over an 8-hour time-weighted average).



WARNING: Always use clean, dry, medical grade gases and never oil or grease any part of the device.



WARNING: The user should observe the patient to prevent over sedation in the event of an O₂ failsafe malfunction or a crossed lines situation. If a patient becomes overly sedated when being delivered 100% O₂, immediately remove the mask and encourage mouth breathing. This is an indication of a failsafe malfunction or crossed lines. In this case, only deliver pure O₂ from an independent source.



WARNING: Do not use or replace any components or accessories, except those specified in these instructions for use and installation guide.



WARNING: Do not modify this equipment without authorization of the manufacturer.



Visit our website: <https://www.porterinstrument.com/> for additional information. To download Full Instructions for Use: visit <https://www.porterinstrument.com/dental-support> Choose "Flowmeters" from the dropdown within the "Product Download" section.



Refer to FM-809 for complete instructions and safety information.

