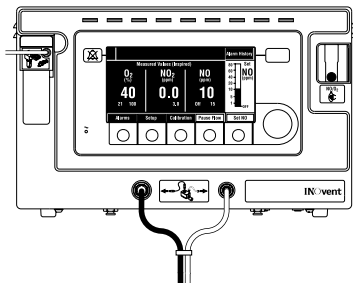


INOvent[®] delivery system

FOR NITRIC OXIDE THERAPY



Datex-Ohmeda

Pocket Guide

Setup

Pre-Use Procedures Checklist

Calibration Connection Diagrams

Monthly Checkout Checklist

Circuit Connection Diagrams

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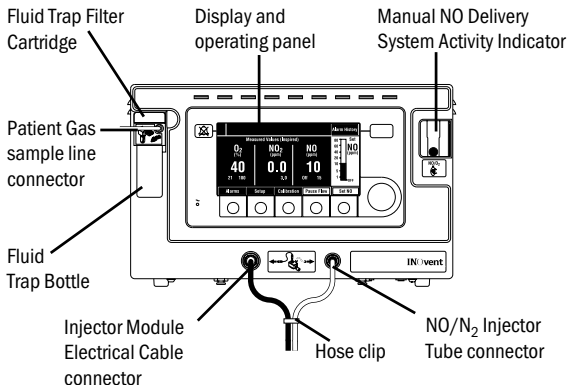
Setup

Setup Checklist

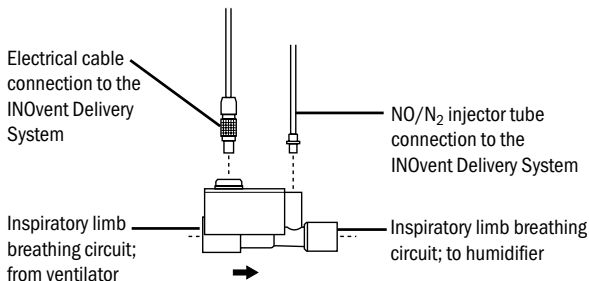
- 1. Connect supply hoses to INOvent delivery system and therapy gas.
- 2. Check cylinders for correct product identity labels and NO concentration.
- 3. Ensure both cylinders have adequate supply pressure: not less than 200 psig / 14 kPa x 100 (bar).
- 4. Empty and clean the fluid trap if necessary.
- 5. Connect sample line to the INOvent delivery system.
- 6. Connect the injector module tubing and electrical cable to both the INOvent delivery system and injector module.
- 7. Connect the manual NO delivery system.
- 8. Connect the electrical power cord to an emergency-power-backed, hospital-grade outlet.

Setup

INOvent delivery system, front view

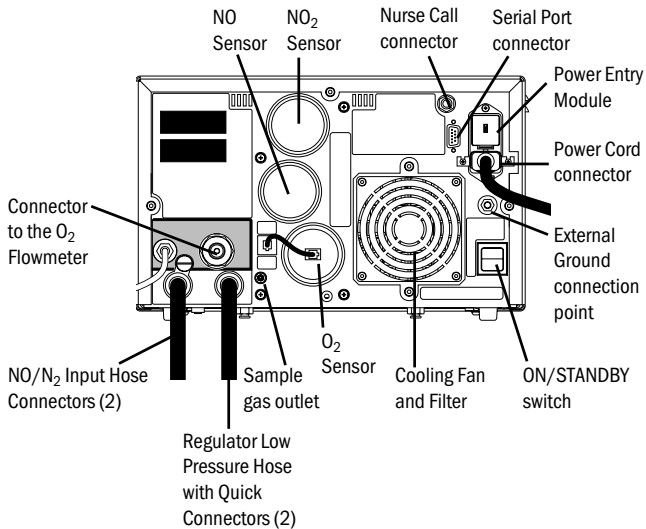


Injector Module



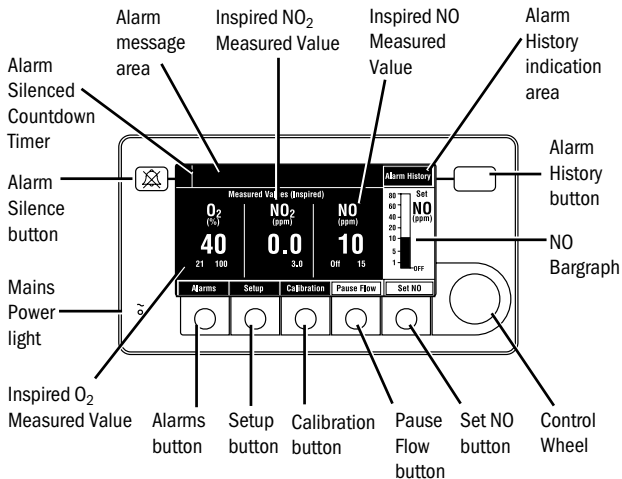
Setup

INOvent delivery system, rear view



Setup

User controls and indicators on the front

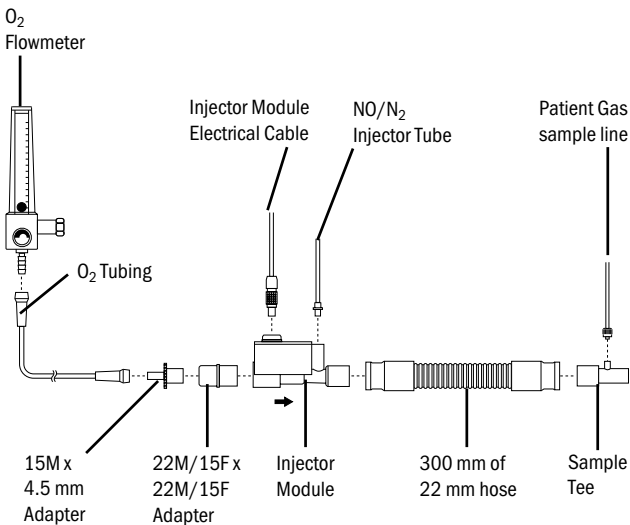


Pre-Use Procedures

Pre-Use Procedures Checklist

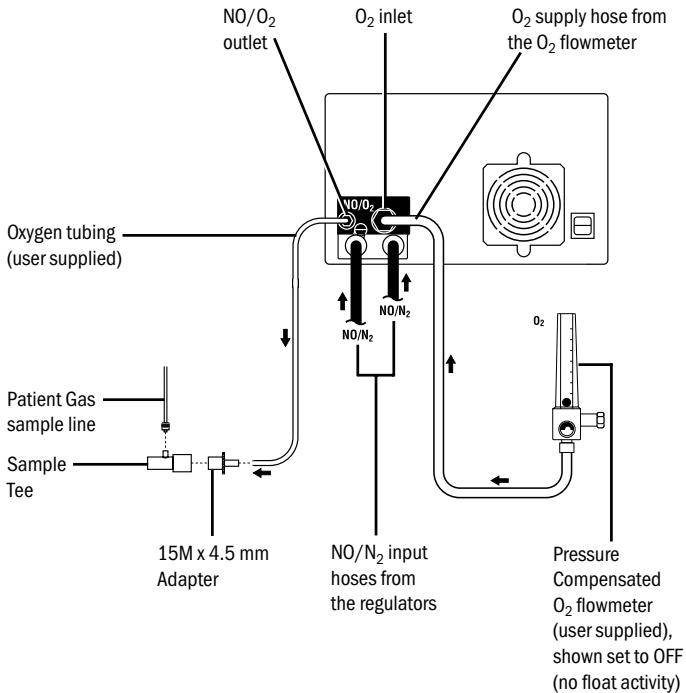
- 1. Do the “Initial connections and leak test.”
- 2. Do the “System purge and performance tests.”
- 3. Do the “Manual NO delivery system purge and performance test.”

Circuit connections for purge and performance test



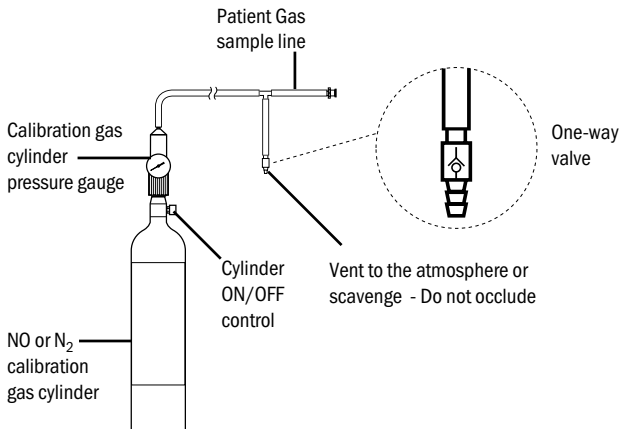
Pre-Use Procedures

Sample tee connection to the Manual NO delivery system

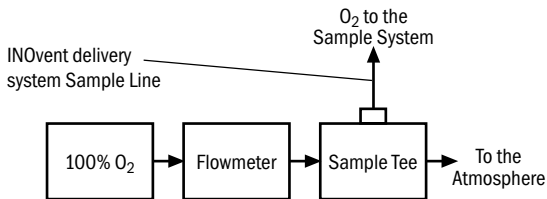


Calibration Connection Diagrams

Connection diagram for NO and NO₂ high range calibration



Connection diagram for O₂ high range calibration



Monthly Checkout

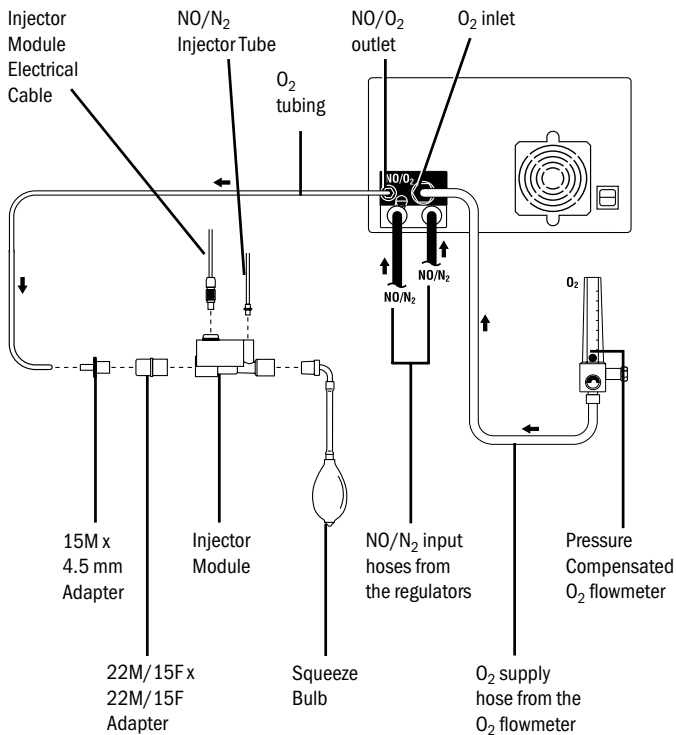
Monthly System Checkout Checklist

The monthly system checkout consists of:

- 1. Initial connections and leak tests.
- 2. Purge and system alarms tests.
- 3. Calibration and monitoring alarms.
- 4. INOvent delivery system performance.
- 5. Manual NO delivery system purge and performance.

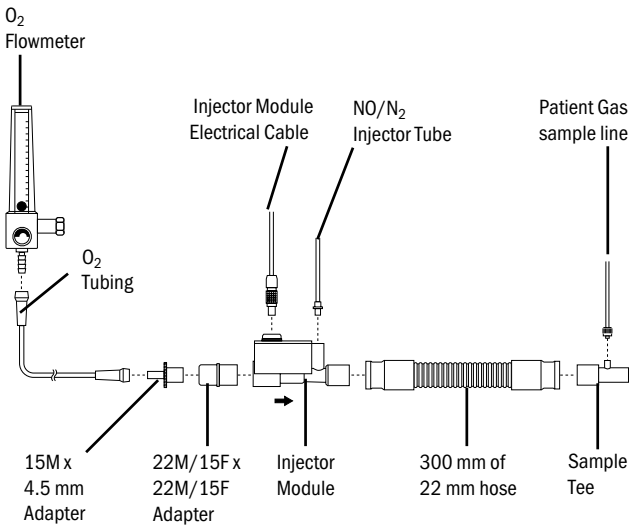
Monthly Checkout

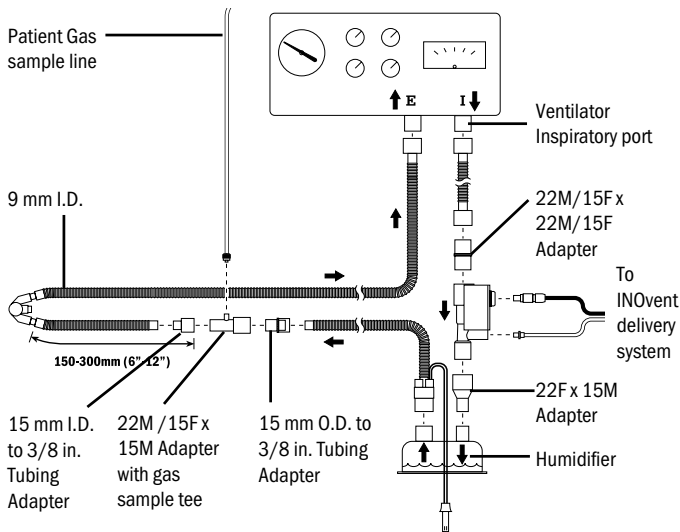
Low pressure system leak test connection diagram



Monthly Checkout

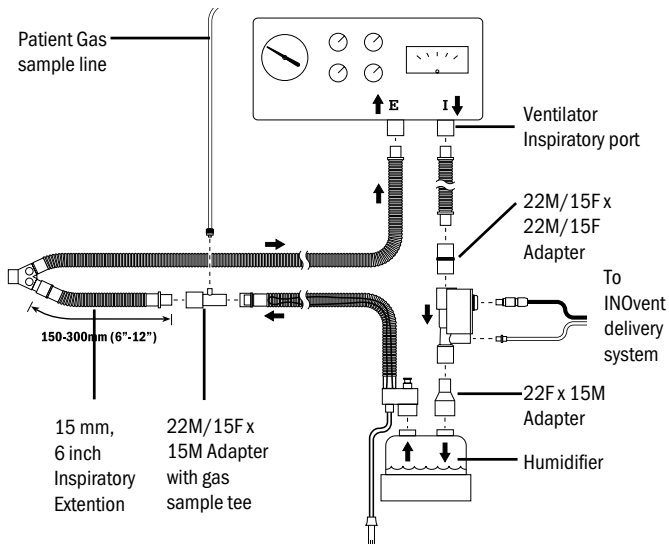
Circuit connections for purge and performance test





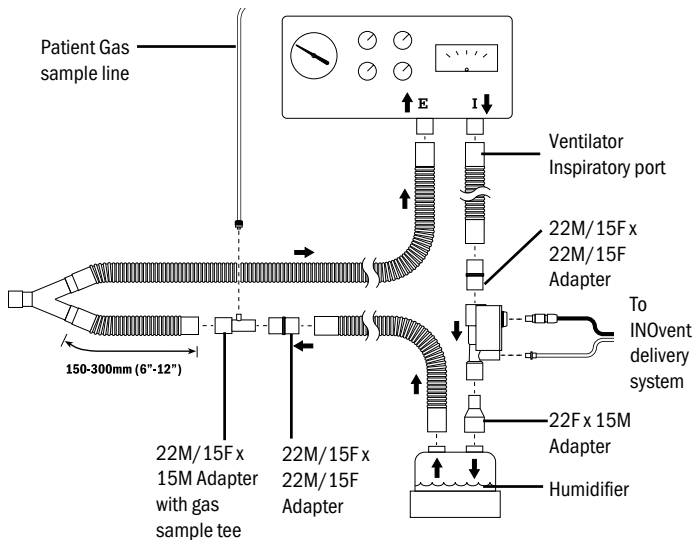
Circuit Connection Diagrams

Pediatric circuit



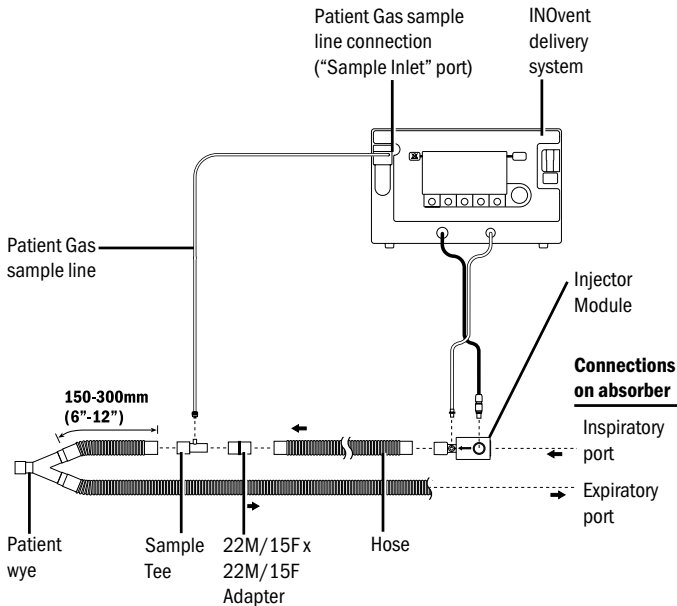
Circuit Connection Diagrams

Adult circuit



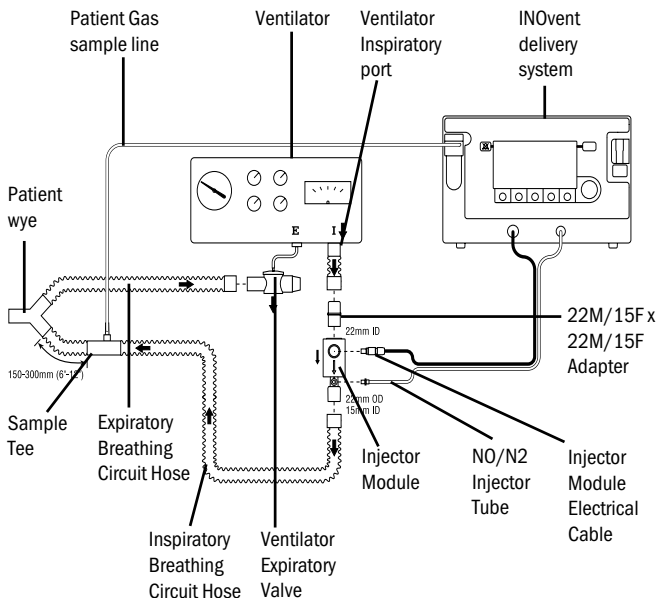
Circuit Connection Diagrams

Anesthesia system with ventilator



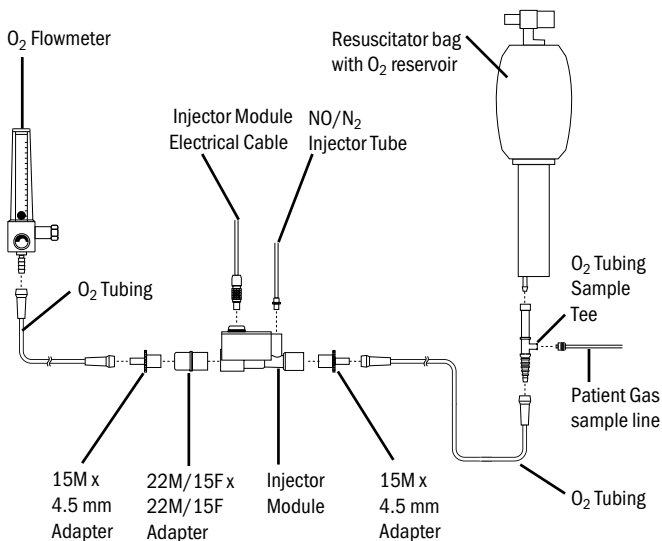
Circuit Connection Diagrams

BIO-MED MVP-10 or Infrasonics Infant Star 100 ventilator



Circuit Connection Diagrams

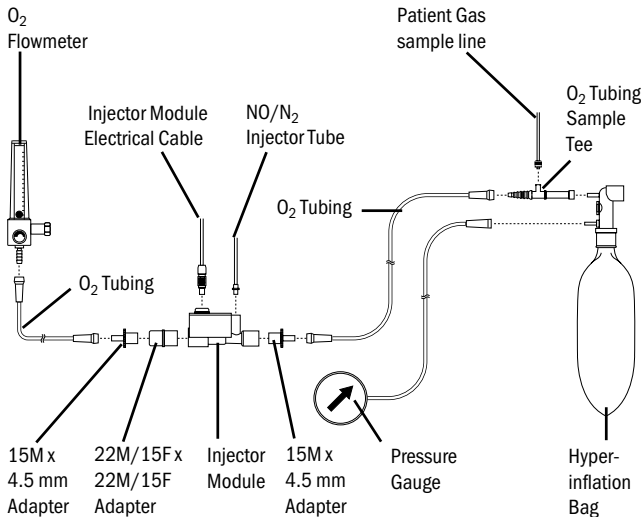
Self-filling resuscitator bag



⚠ Caution: Tubing length downstream of the O₂ tubing sample tee must be minimized. The INOvent monitoring system operates at pressures up to 70 cm H₂O above ambient at the sample tee. Excessive tubing length can result in “Monitoring Failure” alarm from over-pressurization. To help ensure proper INOvent delivery system operation, test the circuit configuration before using it.

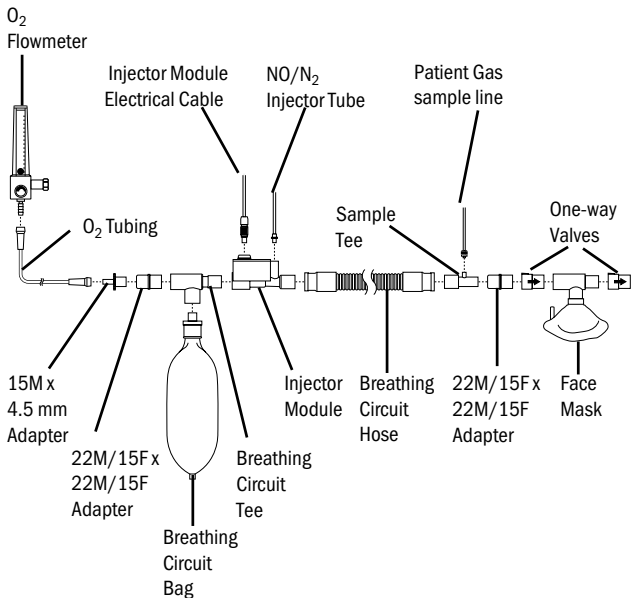
Circuit Connection Diagrams

Hyper-inflation bag



Circuit Connection Diagrams

Spontaneous breathing circuit



Connectors and Adapters List

Adapters:

- 15M x 4.5 mm
- 22M / 15F x 22M / 15F
- 22F x 15M
- 22M / 15F x 15M with Sample Tee
- 15 mm O.D. to 3/8 in. Tubing Adapter
- 15 mm I.D. to 3/8 in. Tubing Adapter

Others:

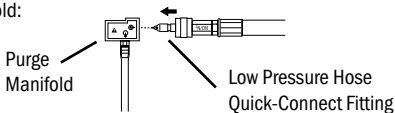
- O₂ Tubing Sample Tee
- One-way Valve
- 15 mm, 6 inch Inspiratory Extension
- O₂ Tubing
- 9 mm I.D. Hose
- 300 mm of 22 mm Hose
- Breathing Circuit Hose

Changing Cylinder & Purging Regulator

⚠ WARNING You **MUST** purge the regulator assembly immediately before using a new NO cylinder.

⚠ Important: Replace NO therapy gas cylinder when its pressure is < 200 psig / 14 kPa x 100 (bar).

1. Purge regulator assembly before using new NO therapy gas cylinder:
 - a. Determine which regulator assembly is not being used and requires purging. Cylinder valve should be closed on regulator assembly not being used.
 - b. On the regulator assembly requiring purging, disconnect the low pressure hose quick-connect fitting from the NO/N₂ input on the rear of the INOvent delivery system.
 - c. Open the cylinder valve on the new NO therapy gas cylinder.
 - d. Close the cylinder valve on the new NO therapy gas cylinder.
 - f. Insert low pressure hose quick-connect fitting into purge manifold:



- g. Firmly push and hold the quick-connect fitting in place while the pressure drops to zero on the regulator gauge.
 - h. After the pressure drops to zero (about 15 seconds), reconnect the low pressure hose quick-connect fitting to the NO/N₂ input on the rear of the INOvent delivery system.
2. Open the cylinder valve on the new cylinder.
 3. Close the cylinder valve on the empty cylinder and label appropriately.
 4. Replace the empty NO therapy gas cylinder. Leave the cylinder valve on the replacement cylinder turned off until needed.
 5. Purge the regulator assembly immediately before use.

Notes

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