

# Oxygen Conserving Device

## Brief Description

An oxygen-conserving device is used in place of the oxygen flow regulator on an oxygen portable unit. The purpose of this unit is to deliver oxygen from a compressed gas cylinder and at the same time conserve the oxygen by delivering oxygen in a bolus or "pulse" instead of a continuous flow.

## Set Up

Items needed:

- Oxygen conserving device, battery powered or pneumatic
- Nasal cannula (Picture 1)
- Oxygen cylinder (Picture 2)
- Post valve wrench
- Yoke washer
- Carrying case or cart for cylinder (Picture 3)

## Frequent Replacement Items

Nasal cannula (Picture 1)

Yoke washer

Battery

Contact your equipment provider for replacements.

## Maintenance

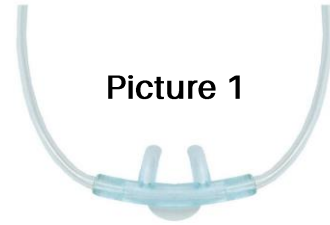
- Change nasal cannula every two weeks.
- Check the battery level on the oxygen-conserving device before every use.

## Special Procedures

- If using a pneumatic or non-battery powered conserving device, you will have a special double-lumen cannula. These types of devices have two nipple outlets. Attach both ends of the double-lumen cannula to the outlets on the conserver.



Picture 2



Picture 1



Picture 3

## Using Your Equipment

- Attach conserving device to the cylinder: **Diagram 1)**
  - Attach yoke washer to inlet of the conserving device.
  - Line up the index pins on the conserving device to the corresponding holes on the cylinder post valve.
  - Tighten the T-screw on the conserving device, while being sure that the pins are in the holes and the outlet of the cylinder is lined up with the inlet of the conserving device.
  - Turn on the oxygen by placing the post valve wrench on the post valve of the oxygen cylinder and turn counter-clockwise. You should see the contents gauge on the conserving device pressure register.
- Turn on the power to the oxygen-conserving device.
- Set the flow rate to the prescribed setting.
- Attach nasal cannula to the nipple outlet of the conserving device.
- Put on your nasal cannula and breathe normally.
  - The conserving device will deliver a bolus or “pulse” of oxygen at the beginning of each breath.

**Diagram 1**



## Safety

- Do not smoke while using oxygen, or be within five feet of someone smoking.
- Keep heat source five feet away from you and your oxygen tubing.
- Do not use an oil-based product (e.g., petroleum jelly) for nose irritation. Use only water-based products.
- Keep oxygen cylinders stored in well-ventilated area. If cylinders cannot be secured in an upright position, lay cylinders on their side.
- Do not change your oxygen flow rate without consulting your physician.
- When traveling with oxygen, keep any loose tanks secured in the car. Do not store tanks in the trunk of the car or in a closed car in hot weather.