

# DDO<sup>2</sup>

## OXYGEN CONSERVER INSTRUCTIONS

### PRINCIPLES OF OPERATION

The aerox® Oxygen Conserver System is intended to be used as an oxygen saving device. The device is triggered through the users respiratory inspiration. Negative pressure, when the user inhales, will cause the Oxygen Conserver to supply a pulse of oxygen at the beginning of each breath, there-by reducing the demand on the users standard supplemental oxygen system. In the “EMERGENCY” position, the Oxygen Conserver will provide a continuous flow of 2 to 2 ¾ liters of Oxygen per minute.

### OUTLET SPECIFICATION

Cylinder Pressure Range: 300 - 2200 PSI (21 - 151 Bar)  
InLet Pressure: 20 - 25 PSI (1.38 - 1.72 Bar)  
Outlet Pulse Settings:  
1st Position (OFF)  
2nd Position (10,000 Feet) - 1.0 LPM Equivalent.  
3rd Position (12,500 Feet) - 1.25 LPM Equivalent.  
4th Position (15,000 Feet) - 1.5 LPM Equivalent.  
5th Position (18,000 Feet) - 1.8 LPM Equivalent.  
6th Position (EMERGENCY) 2.0 - 2.75 LPM Continuous Flow.

### OPERATING INSTRUCTIONS

- 1) Place the aerox® black lanyard with the attached Oxygen Conserver, Part Number 4110-160, over your head and around your neck.
- 2) Turn the black knurled knob of the Oxygen Conserver to the “OFF” position. “OFF” will be visible in the Conserver window.
- 3) Place the Outlet Cannula/Hose Part Number 4110-660, over your ears and under your chin (as if putting on a pair of glasses). The Cannula body should rest on your upper lip and the flared nasal tips should extend well into each nostril.

**NOTICE: This Oxygen Conserver will not function effectively with other cannulas.**

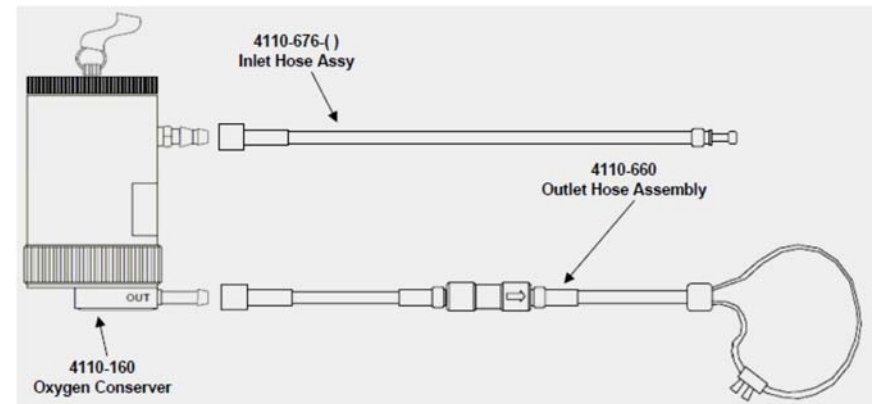
- 4) Slide the plastic bushing up toward your chin to hold the cannula securely and comfortably against your face.
- 5) Push the cannula hose bushing onto the “Outlet” (Lower) barb of the Oxygen Conserver.
- 6) With the Oxygen Conserver “Inlet” Hose, P/N: 4110-676, attached to the (Upper) barb of the conserver attach the quick connect end of the Inlet Line to your oxygen system.
- 7) Turn on Oxygen System as follows; For 500 Series Portable Oxygen Systems, turn regulator knob to on. For 400 Series Portable Oxygen Systems, slowly open the 540 Valve.
- 8) Set the Oxygen Conserver to the desired altitude. (10K - 18K Feet.)
- 9) Relax...breathe comfortably.

**NOTICE: Concentrate on breathing through your nose!**

- 10) A Flow Indicator is installed inline. The indicator will respond for each breath as oxygen is released from the Conserver.

### STOWAGE

- 1) When you are finished using the device, turn the oxygen supply regulator or valve to “OFF”.
- 2) Turn the Oxygen Conserver Selection Knob to the “EMERGENCY” position and wait for all O<sub>2</sub> in the Oxygen Conserver to purge.
- 3) Turn the Oxygen Conserver Selector to the “OFF” Position.
- 4) Always clean the nasal prongs of the Cannula after each use.
- 5) Store System in a clean dry Zip Lock Bag.



**DDO2 -( ) Connection Diagram**

# aerox<sup>®</sup>

SHAW AEROX LLC

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### DILUTION DEMAND OXYGEN CONSERVER SYSTEM



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### System Includes:

- 1 Each 4110-160, Gold Standard Oxygen Conserver
- 1 Each 4110-660, Outlet Hose With Flow Indicator
- 1 Each 4110-676-(), Inlet Hose With 201, CPC or SK Fitting