

E-OX PORTABLE OXYGEN SYSTEM

Instructions and Important Safety Information

WARNING

If your E-Ox system was shipped pre-filled, the cylinder is under pressure. **DO NOT OPEN THE VALVE** without having the regulator properly installed!



Standard Parts Included:

1. Oxygen cylinder
2. Adjustable Regulator (0-4 lpm)
3. Face mask and clear tubing
4. Carrying Case

Optional Parts/accessories:

1. Oxymizer conserving cannula
2. 'Y' adapter and 4' tubing (2 person conversion kit)
3. Additional masks, cannulas or cylinders

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If you have any questions about your E-Ox Basic Oxygen system, please contact us at:

888.362.7123 | sales@aeromedix.com.

To Ready Your E-Ox System For Use:

1. Remove the green regulator from square box.
2. Remove the green rubber cap from the top of the oxygen cylinder.
3. Screw the regulator on to the top of the cylinder and hand tighten.
4. Attach mask tubing to green outlet valve on regulator.

Instructions For Use:

1. Place the mask over your nose and mouth.
2. Hold mask against face and pull green straps to tighten.
3. If using the Oxymizer conserving cannula, please refer to the instructions included with the Oxymizer.
4. Make sure the regulator is installed and hand-tightened on cylinder.
5. Adjust regulator to desired flow rate.
6. Open valve fully by turning black knob counter-clockwise until it stops.
7. Oxygen will flow at rate indicated on regulator (liters per minute).
8. To close valve, turn black knob clockwise and tighten by hand. Oxygen flow will stop after 3-4 seconds.
9. If using Y adapter, connect 4' tubing to regulator outlet, and attach plastic Y adapter to end of tubing.

Important Warnings:

1. Do not expose pressurized cylinder to temperatures above 130° F.
2. Do not overfill. Use no oil or grease. Do not use caustic cleaners.
3. Do not expose to fire or flame. Do not smoke while using or refilling.
4. Improper use, filling, storage or disposal of this system may result in personal injury, property damage and/or death.
5. Keep E-Ox system out of reach of children.
6. Maximum fill pressure is 2000 psi.
7. Read all instructions, labels and warnings before use.
8. FAA Oxygen requirement is 1 liter/minute per 10,000 feet
9. Replace your Oxymizer cannula as needed (approx. 3 mos.)

Caring For and Servicing Your System

We design our E-Ox systems to be simple to operate and maintain. Please follow the instructions included with each mask and cannula for cleaning, care and replacement information. We recommend keeping your system inside the included carrying case during both use and storage. We also recommend NOT using the adjustable regulator to turn off or on the flow of oxygen. Using the cylinder fill valve for this purpose will prolong the life of your regulator.

Filling Your System

Each oxygen cylinder is fitted with an industry-standard CGA540 fill valve with integrated pressure gauge. Most FBOs with bulk oxygen service are able to fill your cylinder when oxygen is depleted. Some medical supply companies and even industrial gas suppliers are generally able to fill these cylinder as well. We do recommend that you check with whatever oxygen supplier you choose to ensure their service meets or exceeds Aviators Breathing Oxygen requirements.

Hydrostatic Testing

Located on the shoulder of each cylinder is the date of the initial hydrostatic testing performed on the cylinder. Hydrostatic testing ensures cylinder integrity and is a requirement set forth by the Department of Transportation. We use cylinder type 3ALx for all of our oxygen cylinders. This type of cylinder should be hydrostatically tested every 5 years from the date of initial test and has an unlimited life as long as the cylinder continues to pass testing. Many FBOs are capable of testing the cylinder or arranging to have it tested by a 3rd party. Many dive shops are able to do the same.

E-Ox regulator settings and cylinder durations using the Oxymizer conserving cannula

	@ 0.5 LPM		@ 1.0 LPM		@ 2.0 LPM	
	1 seat	2 seat	1 seat	2 seat	1 seat	2 seat
E-Ox 36L	72 mins	36 mins	36 mins	18 mins	18 mins	9 mins
E-OX 113L	3.7 hours	1.9 hours	1.9 hours	57 mins	57 mins	28 mins
E-OX 170L	5.7 hours	2.8 hours	2.8 hours	1.4 hours	1.4 hours	42 mins
E-OX 255L	8.5 hours	4.2 hours	4.2 hours	2.1 hours	2.1 hours	1.0 hours
E-OX 425L	14.1 hours	7 hours	7 hours	3.5 hours	3.5 hours	1.75 hours
E-OX 640L	21.3 hours	10.5 hours	10.5 hours	5.3 hours	5.3 hours	2.6 hours
E-OX 680L	22.6 hours	11.3 hours	11.3 hours	5.6 hours	5.6 hours	2.8 hours

Recommended Oxygen Flow Rates for Given Altitude

** FAA regulations state flow rate should be 1 Liter Per Minute (LPM) for every 10,000ft ASL with a standard O2 mask. An Oxymizer cannula reduces this flow rate by about 50%. The flow rates below have been rounded UP to correspond to the increments available on our adjustable regulators.

Altitude (Ft MSL)	Flow Setting (LPM)	
	<i>w/ Standard O2 Mask</i>	<i>w/ Oxymizer Cannula</i>
25,000	2.5 LPM	1.5 LPM
20,000	2.0 LPM	1.0 LPM
18,000	2.0 LPM	1.0 LPM
15,000	1.5 LPM	1.0 LPM
10,000	1.0 LPM	0.5 LPM
5,000	0.5 LPM	0.5 LPM



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Sec. 91.211 Supplemental oxygen.

(a) General. No person may operate a civil aircraft of U.S. registry—

(1) At cabin pressure altitudes above 12,500 feet (MSL) up to and including 14,000 feet (MSL) unless the required minimum flight crew is provided with and uses supplemental oxygen for that part of the flight at those altitudes that is of more than 30 minutes duration;

(2) At cabin pressure altitudes above 14,000 feet (MSL) unless the required minimum flight crew is provided with and uses supplemental oxygen during the entire flight time at those altitudes; and

(3) At cabin pressure altitudes above 15,000 feet (MSL) unless each occupant of the aircraft is provided with supplemental oxygen.

The amount of supplemental oxygen required by the FAA is 1 liter per minute per 10,000 feet. The markings on the E-Ox adjustable regulator are in liters per minute.

Warranty Information

We stand behind our products and we warranty this oxygen system for a period of 1 (one) year from the date of purchase. If the system or any part of the system fails to perform to your standards for any reason, we will repair or replace the item or items at no cost to you.

Thank You for Purchasing From

The logo for Aeromedix features a dark blue rectangular background. On the left side, there is a white stylized triangle pointing to the right. To the right of this triangle, the word "AEROMEDIX" is written in a bold, white, sans-serif font.

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