



Operating Instructions for Sky Ox Oxygen Cannula



Referring to **Illustration 1**, the portable oxygen system includes a cylinder or tank (1) with an On/Off Valve (3) a pressure gauge (2) a Regulator (4) with Indicator Gauge (5) followed by either a 2-port or 4-port Quick disconnect female receptor (6) that will accept a male fitting of a cannula or mask in each port.

Units are shipped with two or four pendent style Oxymizer Cannula (see photo) and one mask. Mustache style cannulas may be substituted for pendent style cannula. The pendent style offers more freedom plus comfort and the ability to drink water, coffee, a can of soda, and/or to eat a sandwich.

The size of tank you specify is based on projected flight hours of use, see **Table 1**. Based on your order, the tank arrives either filled with oxygen or empty. If empty, the tank must be filled with aviator grade oxygen before using.

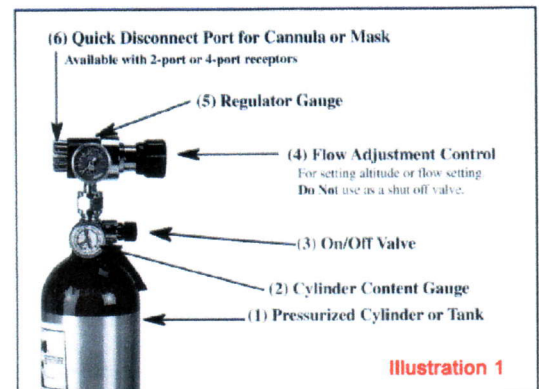


Illustration 1

Model Number	Cylinder Capacity	Duration – Man Hrs. at 15,000 ft.		Approx. Size (D x L)	Approx. Weight
		Oxymizer	With Mask		
SK 12-6	6 cu. ft. Alum.	5:28 hrs.	1:49 hrs.	3-1/4" x 16-3/8"	6 lbs.
SK 12-9	9 cu. ft. Alum.	8:07 hrs.	2:45 hrs.	4-3/8" x 15-1/2"	7 lbs.
SK 12-15	15 cu. ft. Alum.	13:48 hrs.	4:36 hrs.	4-3/8" x 21-1/4"	11 lbs.
SK 11-20	20 cu. ft. Steel	17:33 hrs.	5:51 hrs.	5-1/4" x 17-3/4"	15 lbs.
SK 12-24	24 cu. ft. Alum.	22:42 hrs.	7:34 hrs.	4-3/8" x 30-1/4"	14 lbs.
SK 11-40	40 cu. ft. Steel	39:27 hrs.	13:09 hrs.	6-3/4" x 21-3/4"	28 lbs.
SK 11-50	50 cu. ft. Steel	46:21 hrs.	15:27 hrs.	7" x 26-1/2"	36 lbs.

Table 1

Ready to Use

Filled tanks are ready to use.

1. Turn the On-Off Valve counterclockwise until fully on. Turn clockwise to shut it off.
2. Check the tank's content level on the pressure supply gauge (2) (see **Illustration 1**). It is the gauge nearest the tank. This gauge will indicate how much oxygen remains in the tank. If the indicator needle is in the red area, the tank is getting very low on oxygen. If the indicator needle is all the way to 2,000 psi, the tank is full. (All tanks filled with 2000 psi).

3. Activate the oxygen flow with the regulator control knob (4) (see **Illustration 1**) by turning it in. Directions are stamped on the end of knob as to which way to turn to increase or decrease the flow rate.
4. Insert the quick disconnect element on the mask or cannula into an open port (6) (see **Illustration 1**) on the regulator head. Oxygen will not flow until the fitting on the breathing devices is securely connected. The oxygen flow will stop when the cannula or mask is disconnected from the port. It does not matter whether one, two, three or four cannula are connected, because only those connected will dispense oxygen.
5. If you are using the Oxymizer Cannula, set it to the flow rate indicated on **Chart 1**.
6. If you are flying up to 18,000 feet, then set the flow rate at (.6) liters.

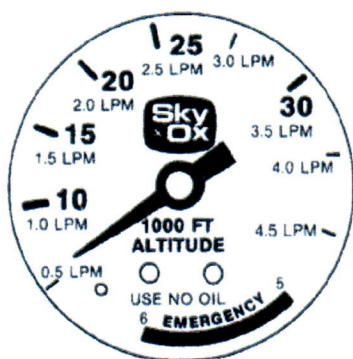
Altitude Gauge Settings When Using The Oxymizer Cannula	
Up to 10,000 feet	.3 Liters / minute
Up to 12,000 feet	.4 Liters / minute
Up to 15,000 feet	.5 Liters / minute
At 18,000 feet	.6 Liters / minute
Note: FAA recommends 1.8 Liters at 18,000 feet when using a mask or regular cannula.	

Chart 1

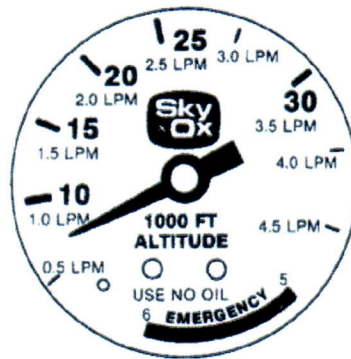
NOTE:

For simplicity purposes, it is recommended the gauge be set at (.5 liters) for altitudes up to 15,000 feet. See **Example 1**. If you are flying at a lower altitude, you can adjust it downward, but the oxygen savings is insignificant by such an adjustment.

Adjustable Regulator Setting
For Oxymizer Assembly At
15000 Ft. Altitude (.5 LPM)



Adjustable Regulator Setting
For Oxymizer Assembly At
18000 Ft. Altitude (.6 LPM)



Example 1

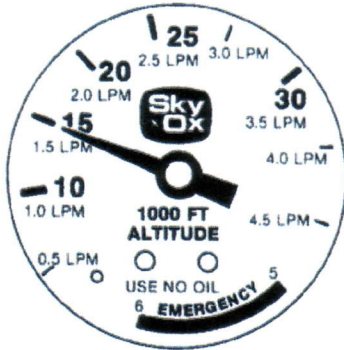
You do not need to adjust the regulator when multiple ports are being used. The regulator automatically compensates when additional (1-2 or 3) breathing units are attached. A setting of (.5) liters will deliver (.5) liters of oxygen from each port.

7. A cannula (either a pendent or a mustache style) can be used only up to 18,000 ft. Above 18,000 you must switch over to a mask.

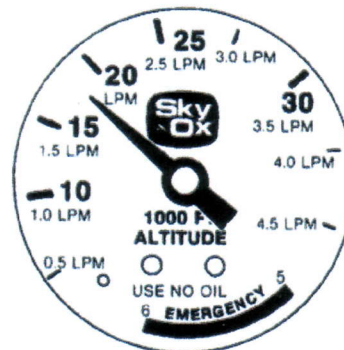
8. When using the mask, set the regulator gauge to the altitude you are flying. (10,000 - 15,000 - 20,000 - 25,000 feet) by turning the knob on the regulator until the gauge indicator is properly positioned. See **Example 2**.

When using any mask in the system, the following setting must be used.

Adjustable Regulator Setting
15000 Ft. Altitude (1.5 LPM)



Adjustable Regulator Setting
18000 Ft. Altitude (1.8 LPM)



Example 2

Medical Emergency

For an in-flight medical emergency, use the oxygen mask on the patient and adjust the flow meter to the emergency setting - wide open. This will provide a flow rate of five (5) to six (6) liters per minute. Radio ahead to request medical assistance, and land your plane as soon as possible.

