

PORTABLE OXYGEN UNITS

803240 Series portable oxygen unit. COMPLIES WITH FAR 121.574, WHERE APPLICABLE. The Avox 803240 series portable oxygen unit provides a safe, convenient way to administer oxygen to passengers on commercial air carriers or air ambulance flights. Two constant flow outlets provide a choice of 2 lpm or 4 lpm NTPD flow of aviator's breathing oxygen. Stored conveniently in a sturdy ABS plastic case are two masks with 84" hoses and quick disconnect fittings, plus a 38.4 cubic foot (1086 liter) steel cylinder or a 40 cubic foot (1132 liter) composite cylinder. The full opening door provides access to control knobs and instructions, and the cylinder removes easily for recharging.



Outstanding features:

- Due to "portable" designation, aircraft weight and balance factors are not affected
- 6.5 hours duration at 2 lpm flow — 3.5 hours at 4 lpm
- Weight of unit with steel cylinder is 26 lbs. (11.8 kg). With composite cylinder, 20 lbs. (9.29 kg)
- Handsome ABS plastic carrying case in textured green

Part No.	Replacement Part
5500Q6X-BF10A	Cylinder/regulator (steel) -03 only
803342-01	Cylinder/regulator (composite) -02, -04 only
803929-01	Case (green)
803269-01	Mask assembly
803675-01	Cylinder/regulator (steel) -05 only

Specifications

Portable Type:	Gaseous aviators breathing oxygen per MIL-PRF-27210, Type 1
Cylinder Capacity:	Steel 38.4 cu. ft. (1086 liters) @ 1800 psi Composite 40 cu. ft. (1132 liters) @ 1850 psi
Cylinder Type:	DOT3AA1800 (Steel) DOT-E8162 1850 (Composite)
Duration:	6.5 hr. @ 2 lpm @ 1850 PSIG 3.5 hr. @ 4 lpm @ 1850 PSIG
Outlets:	One 2 lpm; One 4 lpm
Masks:	Two (2) adult size Hudson-type for medical use, stored in case
Regulator:	Brass body; incorporates latest in safety features
Case:	Green textured ABS plastic meets self-extinguishing requirement of FAR25.853; side mounted carrying handle
Exterior Dimensions:	25½" long x 7¼" wide x 7¾" high (638.175 mm x 201.612 mm x 187.62 mm)
Weight:	26 lbs. max (11.8 kg max.) steel 20 lbs. max (9.29 kg max.) composite
Operating Instructions:	Door-mounted, easy to read
Refill Adapter:	Standard airline-type, Avox part no. 5020-1 (optional accessory)

Part No.	Charge Pressure with Oxygen per MIL-PRF-27210	Capacity	Color
803240-02	+100 1850 -0 PSIG at 70° F (12.75 MPa +0.75 -0 at 21° C)	40 cu. ft. (1132 liters)	Spruce green
803240-03	+100 1800 -0 PSIG at 70° F (12.41 MPa +0.75 -0 at 21° C)	38.4 cu. ft. (1086 liters)	Spruce green
803240-04	+100 1850 -0 PSIG at 70° F (12.75 MPa +0.75 -0 at 21° C)	40 cu. ft. (1132 liters)	Spruce green
803240-05	+100 1850 -0 PSIG at 70° F (12.75 MPa +0.75 -0 at 21° C)	38.4 cu. ft. (1086 liters)	Spruce green

AVOX SYSTEMS PORTABLE OXYGEN