

Oxygen O_2

General characteristics: A colorless, nonflammable, and odorless gas. Sustains combustion of many materials which normally cannot burn in air. Increases the combustion rate when compared to air.

TLV-TWA: None established

Flammable limits: Strong oxidizer

Molecular weight: 32.0

CGA valve outlet: 540/180

DOT class: 2.2 (Nonflammable Gas)

DOT label: Nonflammable Gas, Oxidizer

Specific volume: 12.1 ft³/lb. at 70°F

Specific gravity (Air = 1): 1.105 at 77°F

Material recommendation: Copper, brass, nickel alloys, steel, and stainless steel. All equipment must be cleaned for oxygen service.

CAS No. 7782-44-7

UN No. 1072

Product / Code	Purity	Cylinder Size	SAP	Volume SCF	Pressure @70°F PSIG	Equipment Recommendation Ordering Information on Reference Page
Oxygen Scientific	99.9999%	049	10549	337	2640	To maintain research gas quality at the point of use see research gas system page 139. Two stage stainless steel regulator, see page 148. Single stage stainless steel regulator, see page 146.
Oxygen Research 432000	99.999%	049 044 002	7256 7254 7246	337 225 4	2640 2000 1800	
Oxygen Ultra high purity 404200	99.995%	B12 049 044	4194 4152 4094	4044 337 225	2640 2640 2000	
Oxygen Zero 404300	99.98% <0.5 ppm THC	B12 049 044 LBS	4358 4304 4278 4358	4044 337 225 2	2640 2640 2000 1800	Two stage high purity regulator, see page 148. Single stage high purity regulator, see page 146. Lecture bottle regulator, see page 162. Lecture bottle control valve, see page 210.
Oxygen Extra dry 404400	99.6%	049 044 016 LBS	4528 4464 4428 4562	337 225 86 2	2640 2000 2000 1800	

Available in tube trailer quantities and 12 cylinder pallet banks.