

Oxygen

Description

Formula: O_2

Gas Data

Molecular Weight: 32.00
 Density: 1.326 kg/m³ @ 21.1°C, 101.325 kPa
 0.08279 lb/ft³ @ 70°F, 14.696 psia
 Specific Volume: 0.7541 m³/kg @ 21.1°C, 101.325 kPa
 12.08 ft³/lb @ 70°F, 14.696 psia

Shipping Information

CAS Registry Number: 7782-44-7
 UN Number: UN 1072
 ECCN Number: EAR99
 DOT Proper Shipping Name: Oxygen, Compressed
 DOT Classification: 2.2 (Nonflammable Gas)
 DOT Label: NON-FLAMMABLE GAS, OXIDIZER
 TC Shipping Name: Oxygen, Compressed
 TC Classification: 2.2, 5.1
 TC Label: NON-FLAMMABLE GAS,
 NON-POISONOUS GAS, OXIDIZER

Cylinder Specifications

Cylinder Size	Content		Valve Outlet CGA No.
	US	Metric	
300	307 ft ³	8.07 m ³	540
200	251 ft ³	6.60 m ³	540
150	156 ft ³	4.10 m ³	540
125	125 ft ³	3.29 m ³	540
80	92 ft ³	2.42 m ³	540
60	60 ft ³	1.58 m ³	540
40	42 ft ³	1.10 m ³	540
20	21 ft ³	0.55 m ³	540

Our packaging of gases includes a complete range of cylinder sizes, cylinder cradles (6 and 12 packs), tube trailers, microbulk and bulk. We can handle virtually any size requirement, for customers using 1 or 2 cylinders per year, to customers using millions of cubic feet of product monthly.

Oxygen *(continued)*

Liquid Containers

Liters	Base Type	Content		Relief Valve Setting
		US	Metric	
160	Footring Base	4,500 ft ³	120 m ³	230 psi
160	Footring Base	4,300 ft ³	110 m ³	350 psi
180	Footring Base	5,000 ft ³	130 m ³	230 psi
180	Footring Base	4,800 ft ³	125 m ³	350 psi
200	Footring Base	5,400 ft ³	140 m ³	230 psi
200	Footring Base	5,000 ft ³	130 m ³	350 psi
230	Caster Base	6,200 ft ³	160 m ³	230 psi
230	Caster Base	5,900 ft ³	155 m ³	230 psi
265	Caster Base	7,100 ft ³	185 m ³	230 psi
265	Caster Base	6,800 ft ³	175 m ³	350 psi
80	Footring Base	2,100 ft ³	55 m ³	350 psi
180	Footring Base	4,800 ft ³	125 m ³	350 psi
200	Footring Base	4,600 ft ³	120 m ³	500 psi
450	Footring Base	10,500 ft ³	275 m ³	500 psi
450	Pallet Base	11,100 ft ³	290 m ³	350 psi
600	Pallet Base	18,000 ft ³	475 m ³	350 psi
800	Pallet Base	24,300 ft ³	635 m ³	350 psi
1,000	Pallet Base	28,800 ft ³	755 m ³	350 psi

Note: Caster base liquids can be purchased with round base or square base