

Oxygen

Description

Formula: O₂

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

Industrial Gases

Cylinder Size	Nominal Contents		Valve Outlet CGA No.
	US	Metric	
400	445 FT ³ *	12.6 M ³	540
300	336 FT ³ *	9.4 M ³	540
250	253 FT ³ **	7.2 M ³	540
200	248 FT ³	7.0 M ³	540
150	156 FT ³	4.4 M ³	540
125	126 FT ³ **	3.6 M ³	540
110	124 FT ³	3.5 M ³	540
80	90 FT ³	2.5 M ³	540
60	59 FT ³	1.7 M ³	540
40	45 FT ³	1.3 M ³	540
20	21 FT ³	0.6 M ³	540

* Volume calculated at 2640 psig @ 70° F

** Volume calculated at 2265 psig @ 70° F

All other volumes calculated at 2216 psig @ 70° F

All high pressure cylinders gases calculated using the same cylinder water volume for each size shown.

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.

