

## Oxygen

A colorless, odorless, tasteless, highly oxidizing gas.

Technical Information:	
Chemical Symbol:	O <sub>2</sub>
Molecular Weight:	32
Specific Volume	12.1 ft <sup>3</sup> /lb (0.76 m <sup>3</sup> /kg)
CAS Registry Number:	7782-44-7

Shipping Information:	
DOT Proper Name:	Oxygen, Compressed
Hazard Class:	2.2
I.D. Number:	UN 1072
Labels:	Nonflammable Gas, Oxidizer

Grade	Purity	Impurity	Specification	Equipment Recommended
<b>PurityPlus 5.0 (Research)</b>	99.999%	Moisture Nitrogen Total Hydrocarbons CO/CO <sub>2</sub> Argon	< 1 ppm < 5 ppm < 0.5 ppm < 1 ppm < 5 ppm	Regulator with brass bar stock body, SS diaphragm
<b>PurityPlus 4.3 (Ultra High Purity)</b>	99.993%	Moisture Nitrogen Total Hydrocarbons	< 3 ppm < 10 ppm < 0.5 ppm	Regulator with forged brass body, SS diaphragm
<b>PurityPlus Zero 2.8</b>	99.8%	Total Hydrocarbons	< 0.5 ppm	Regulator with forged brass body, SS diaphragm
<b>PurityPlus Extra Dry 2.6</b>	99.6%	Moisture	< 10 ppm	Regulator with forged brass body, SS diaphragm

See page 4.1 for PurityPlus Co-Branded Equipment Catalog.

Standard Cylinder Sizes *	Contents ft <sup>3</sup> /m <sup>3</sup>	Cylinder Pressure PSIG	CGA Valve Connection
300	337	2640	540
200	249	2200	540
80	83	2200	540

\*Nonstandard cylinder sizes available upon request