

Oxygen (O₂)

A colorless, odorless, oxidizing compressed gas.

Grade	% Purity	H ₂ O	THC	CO	CO ₂	Ar	N ₂	Kr
Research	99.999	0.5	0.2	0.5	0.5	3	5	2
Ultra Pure Carrier (UPC)	99.996	1	0.5	1	1	20	10	
Semiconductor (#)	99.994	2	0.5	1	1	35	15	
Ultra High Purity (UHP)	99.994	2	0.5	1	1	35	15	
LaserPlus™	99.98	5	1					
Zero	99.8	3	0.5					

Concentrations given are ppm by volume unless otherwise specified.

Notes

(#)Semiconductor grade valve material is brass for standard CGA connection. Cylinders can be provided with SS or DISS valves and additional proper regulator options upon request.

PRODUCT	Ordering Information					Equipment Recommendations				
	Cylinder Size	Contents ft ³	Standard Valve Outlet (CGA)	Product Number	Cylinder Pressure at 70°F (psig)	Description Product Number	Delivery Pressure Range (psig)	Page Number		
Research	300	337	540	OX R300	2,640	Single-Stage Regulator Y11-215 * OX	A = 0-25 B = 0-50 D = 0-100	E56		
	200	251	540	OX R200	2,200					
80	85	540	OX R80	2,200						
Certificate of Analysis included.										
Ultra Pure Carrier (UPC)	300	337	540	OX UPC300	2,640					
	200	251	540	OX UPC200	2,200					
	80	85	540	OX UPC80	2,200					
Individual or Batch Certificate of Analysis available upon request.										
Semiconductor	300	337	540	OX SM300	2,640					
	200	251	540	OX SM200	2,200					
Individual or Batch Certificate of Analysis available upon request.										
Ultra High Purity (UHP)	300	337	540	OX UHP300	2,640					
	200	251	540	OX UHP200	2,200					
	80	85	540	OX UHP80	2,200					
Individual or Batch Certificate of Analysis available upon request.										
Zero	300	337	540	OX Z300	2,640					
	200	251	540	OX Z200	2,200					
	80	85	540	OX Z80	2,200					
Individual or Batch Certificate of Analysis available upon request.										

* Insert Delivery Pressure Range Code

Technical Data & Shipping Information

Molecular Weight	31.9988
Specific Volume	12.09 cf/lb @70° F & 1 ATM
Flammability Limits in Air	Oxidizer
U.S. DOT Name	Oxygen, Compressed
ID Number	UN 1072
U.S. DOT Hazard Class	2.2
U.S. DOT Label	Nonflammable Gas & Oxidizer
CAS Registry	7782-44-7

For LaserPLUS™ Applications, see SA17.

Airgas Quality Policy

The purpose of the Airgas Quality System is to continually improve our manufacturing and related processes to provide our customers with the highest product purity, consistency, and service.