

# Oxygen



Grade	Semi	ULSI 5N	Gigabit 6N
Purity, %	99.995	99.999	99.9999
Nitrogen	≤25.0 ppmv	≤5.0 ppmv	≤0.5 ppmv
Carbon Dioxide	≤0.5 ppmv	≤0.1 ppmv	≤0.1 ppmv
Carbon Monoxide	≤0.5 ppmv	≤0.1 ppmv	≤0.1 ppmv
THC (as Methane)	≤0.5 ppmv	≤0.1 ppmv	≤0.1 ppmv
Water	≤2.0 ppmv	≤0.5 ppmv	≤0.5 ppmv
Argon	≤3.0 ppmv	≤3.0 ppmv	≤0.5 ppmv
Hydrogen		≤0.1 ppmv	≤0.1 ppmv
Nitrous Oxide		≤1.0 ppmv	≤0.1 ppmv
Krypton	≤1.0 ppmv	≤1.0 ppmv	≤0.1 ppmv
Neon		≤0.1 ppmv	≤0.1 ppmv

- A lot analysis is provided for each order. – Individual analysis is also available upon request.
- Pneumatic valves and JIS connections are available upon request.

CYLINDER	Internal Volume	Liters	43.8
	<b>Cylinder Sizes &gt;&gt;</b>		<b>QF/QA</b>
	Content	Liters	6,910
		ft <sup>3</sup>	244
	Cylinder Pressure*	psig	2,200
atm		155.7	

\* @ NTP

SHIP	DOT Shipping Name	Oxygen Compressed	UN Number	UN 1072	Shipped as
	DOT Classification	2.2 (Non-Flammable Gas)	ECCN #	EAR99	Compressed
	DOT Label	NON-FLAMMABLE GAS	Harmonized #	2804.40.0000	Gas

TECHNICAL DATA	Specific Volume	0.754 m <sup>3</sup> /kg
	@NTP	12.08 ft <sup>3</sup> /lb
	CAS No	7782-44-7
	CGA/DISS/JIS	540*/714/W22-14R
	Molecular Weight	31.99 g/mol

Critical Temperature	-119°C	-180°F
Critical Pressure	49.7 atm	707 psia

NTP = 21°C or 70°F and 101.3 kPa or 1 atm

\*Brass Valve

Cylinder	Treatment	Nominal Diameter (OD)xHeight*		Material of Construction	
		cm	Inches	Cylinder	Valve
QF	ULTRA-LINE®	23x130/134/143	9X51/52.5/56	CS	SS
QA	ULTRA-LINE II®	23x130/134/143	9X51/52.5/56	CS	Brass

\*Height is reported as the distance from the bottom of the cylinder to the cylinder neck/ center of the valve outlet/ top of the handwheel  
CS: Carbon Steel SS: Stainless Steel

⚠ WARNING: This product can expose you to chemicals including Nitrous Oxide, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

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