

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
	Cylinder Sizes >>		QF/QA
	Content	Liters	6,910
		ft ³	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 Gas
	DOT Label	NON-FLAMMABLE GAS	Harmonized #	2804.40.0000	

TECHNICAL DATA	Specific Volume	0.754 m ³ /kg
	@NTP	12.08 ft ³ /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



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