

Carbonyl Sulfide

COS

Grade	Semicon 3N	ULSI 4N	ULSI PLUS 4N		
Purity, %	99.9	99.99	99.99	Metals	
Nitrogen	< 300 ppmv	< 20 ppmv	< 20 ppmv	Fe	< 1.0 ppbw
Oxygen	< 100 ppmv	< 10 ppmv	< 10 ppmv	Ni	< 1.0 ppbw
Carbon Monoxide	< 100 ppmv	< 10 ppmv	< 10 ppmv	Al	< 1.0 ppbw
Carbon Dioxide	< 300 ppmv	< 20 ppmv	< 20 ppmv	Ca	< 1.0 ppbw
Methane		< 5 ppmv	< 5 ppmv	Cd	< 1.0 ppbw
Hydrogen Sulfide	< 100 ppmv	< 10 ppmv	< 10 ppmv	Co	< 1.0 ppbw
Water	< 100 ppmv	< 10 ppmv	< 10 ppmv	Cr	< 1.0 ppbw
				Cu	< 1.0 ppbw
				K	< 1.0 ppbw
				Li	< 1.0 ppbw
				Mg	< 1.0 ppbw
				Mn	< 1.0 ppbw
				Mo	< 1.0 ppbw
				Na	< 1.0 ppbw
				Pb	< 1.0 ppbw
				Zn	< 1.0 ppbw

- A lot analysis is provided for each order.
- Pneumatic valves available upon request..

CYLINDER	Internal Volume	Liters	43.8
	Cylinder Sizes >>		QF
	Content	lbs	55
		kg	25

SHIP	DOT Shipping Name	Carbonyl Sulfide	UN Number	UN 2204	Shipped as
	DOT Classification	2.3, 2.1	ECCN #	EAR99	Liquefied
	DOT Label	POISON GAS, FLAMMABLE GAS	Harmonized #	2853.00.0095	Gas

TECHNICAL DATA	Cylinder Pressure	152.52 psig
	@NTP	11.38
	Specific Volume	0.402 m ³ /kg
	@NTP	6.44 ft ³ /lb
	CAS No	463-58-1
	CGA/DISS/JIS	330/722
Molecular Weight	60.08 g/mol	

Critical Temperature	106°C	222°F
Critical Pressure	63 atm	921 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

*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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