

# Halocarbon c318 (Octafluorocyclobutane)



Grade	Semicon 3N Zyron 8020®	ULSI 5N
Purity, %	99.9	99.999
Oxygen		≤1 ppmv
Water	≤10 ppmv	≤3 ppmv
Air	≤300 ppmv	≤3 ppmv
Other Organics	≤1,000 ppmv	≤10 ppmv
Acidity as HCl		≤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.
- Zyron® is a Registered Mark of E.I. DuPont.

CYLINDER	Internal Volume	Liters	43.8	
	<b>Cylinder Sizes &gt;&gt;</b>		<b>QA/QF</b>	
	Content	lbs	110	95
		kg	50	43.2
Change Point*	lbs	2.5		

\*Recommended Cylinder Change Point at NTP, based on Phase Break, or the amount of product left in the cylinder when the liquid phase has completely evaporated and only gaseous product is left (estimate based on ideal gas behavior).

SHIP	DOT Shipping Name	Octafluorocyclobutane	UN Number	UN 1976	Shipped as
	DOT Classification	2.2 (Non-Flammable Gas)	ECCN #	EAR99	Liquefied
	DOT Label	NON-FLAMMABLE GAS			Gas

TECHNICAL DATA	Cylinder Pressure	25 psig
	@NTP	2.8 atm
	Specific Volume	0.12 m <sup>3</sup> /kg
	@NTP	1.85 ft <sup>3</sup> /lb
	CAS No	115-25-3
	CGA/DISS/JIS	660/716/W22-14L
Molecular Weight	200.03 g/mol	

Critical Temperature	115.2°C	239.5°F
Critical Pressure	28.4 atm	403 psia

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

Cylinder	Treatment	Nominal Diameter (OD)xHeight*		Material of Construction	
		cm	Inches	Cylinder	Valve
QA	ULTRA-LINE®	23x130/134/143	9x51/52.5/56	CS	Brass
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

