

Halocarbon 14 (Tetrafluoromethane)

CF₄

Grade	Semicon 3N5	ULSI 5N
Purity, %	99.95	99.999
Oxygen	≤100 ppmv	
Nitrogen	≤400 ppmv	
Carbon Dioxide	≤10 ppmv	(+CO) ≤1 ppmv
Carbon Monoxide	≤20 ppmv	
Other Halocarbons		≤2.0 ppmv
Water	≤10 ppmv	≤2.0 ppmv
Air		≤5.0 ppmv
Sulfur Hexafluoride		≤1.0 ppmv
Acidity as HF		≤1.0 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/QB
	Content	lbs	70
		kg	31.82

SHIP	DOT Shipping Name	Compressed Gas NOS (Tetrafluoromethane)	UN Number	UN 1982	Shipped as
	DOT Classification	2.2 (Non-Flammable Gas)	ECCN #	EAR99	Compressed Gas
	DOT Label	NON-FLAMMABLE GAS	Harmonized #	2903.30.2010	

TECHNICAL DATA	Cylinder Pressure @NTP	2,000 psig 141.6 atm
	Specific Volume @NTP	0.27 m ³ /kg 4.4 ft ³ /lb
	CAS No	75-73-0
	CGA/DISS/JIS	320/716/W22-14L
	Molecular Weight	88.00 g/mol

Critical Temperature	-45.6°C	-50.2°F
Critical Pressure	38.1 atm	542.3 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
QF	ULTRA-LINE®	23x130/134/143	9x51/52.5/56	CS	SS
QA	ULTRA-LINE®	23x130/134/143	9x51/52.5/56	CS	Brass
QB	ULTRA-LINE II®	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

