

# Xenon

# Xe

Grade	Semicon 5N
Purity, %	99.999
Oxygen	≤1.0 ppmv
Nitrogen	≤3.0 ppmv
Carbon Dioxide	≤0.1 ppmv
Carbon Monoxide	≤0.1 ppmv
Methane	≤0.1 ppmv
Water	≤2.0 ppmv
Argon	≤1.0 ppmv
Krypton	≤2.0 ppmv
Helium	≤1.0 ppmv
Hydrogen	≤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	7.3	2.3
	<b>Cylinder Sizes &gt;&gt;</b>		<b>QF/QA/QB</b>	<b>UF</b>	<b>JF</b>
	Content	Liters	5,000	500	250
		ft <sup>3</sup>	177	17.5	8.83
	Cylinder Pressure*	psig	varies		
atm		varies			

\* Maximum Cylinder Pressure @ NTP

SHIP	DOT Shipping Name	Xenon, Compressed	UN Number	UN 2036	Shipped as
	DOT Classification	2.2 (Non-Flammable Gas)	ECCN #	EAR99	Compressed Gas
	DOT Label	NON-FLAMMABLE GAS	Harmonized #	2804.29.0050	

TECHNICAL DATA	Specific Volume @NTP	0.183 m <sup>3</sup> /kg 2.93 ft <sup>3</sup> /lb
	CAS No	7440-63-3
	CGA/DISS/JIS	580/718/22-14R
	Atomic Weight	131.30 g/mol

Critical Temperature	16.6°C	61.9°F
Critical Pressure	59.5 atm	847 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
UF	ULTRA-LINE®	15x51/55/64	6x19/20.5/24	CS	SS
JF	ULTRA-LINE®	10x33/37/46	4x13/14.5/18	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