

# Krypton

Kr

Grade	Semicon 4N8
Purity, %	99.998
Oxygen	≤2.0 ppmv
Nitrogen	≤10.0 ppmv
Carbon Dioxide	≤1.0 ppmv
Carbon Monoxide	≤1.0 ppmv
Methane	≤1.0 ppmv
THC	≤0.1 ppmv
Water	≤4.0 ppmv
Argon	≤1.0 ppmv
Xenon	≤10.0 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
	<b>Cylinder Sizes &gt;&gt;</b>		<b>QF/QA/QB</b>
	Content	Liters	5,000
		ft <sup>3</sup>	177
	Cylinder Pressure*	psig	1,335
atm		94.9	

\* @ NTP

SHIP	DOT Shipping Name	Krypton, Compressed	UN Number	UN 1056	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	0.287 m <sup>3</sup> /kg
	@NTP	4.6 ft <sup>3</sup> /lb
	CAS No	7439-90-9
	CGA/DISS/JIS	580/718/22-14R
	Atomic Weight	83.80 g/mol

Critical Temperature	-63.8°C	-82.8°F
Critical Pressure	56.1 atm	798 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



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