



# Krypton

### Description

Formula Kr

### Gas Data

Molecular Weight: 83.80  
 Density: 3.479 kg/m<sup>3</sup> @ 21.1°C, 101.325 kPa  
 0.2172 lb/ft<sup>3</sup> @ 70°F, 14.696 psia  
 Specific Volume: 0.2874 m<sup>3</sup>/kg @ 21.1°C, 101.325 kPa  
 4.604 ft<sup>3</sup>/lb @ 70°F, 14.696 psia

### Shipping Information

CAS Registry Number: 7439-90-9  
 UN Number: UN 1056  
 ECCN Number: EAR99  
 DOT Proper Shipping Name: Krypton, Compressed  
 DOT Classification: 2.2 (Nonflammable Gas)  
 DOT Label: NON-FLAMMABLE GAS  
 TC Shipping Name: Krypton, Compressed  
 TC Classification: 2.2  
 TC Label: NON-FLAMMABLE GAS,  
 NON-POISONOUS GAS

### Cylinder Specifications

Cylinder Size	Valve Outlet CGA No.	Pressure		Approximate Ship Weight	
		psig @ 70°F	kPa @ 21.1°C	lb	kg
1A	580	1,335	9,204	162	73
2	580	1,335	9,204	Varies	Varies
3	580	1,335	9,204	Varies	Varies
4	580	1,335	9,204	Varies	Varies
6	580	1,260	8,687	20	9
7A	580	725	4,999	6	3

### Gas Grade Purity Specifications

**Krypton, Research Purity 99.999%**  
*Guaranteed Analysis*

Argon	<	5 ppm
Carbon Dioxide	<	1 ppm
Carbon Monoxide	<	1 ppm
Hydrogen	<	2 ppm
Nitrogen	<	3 ppm
Oxygen	<	1 ppm
THC	<	0.2 ppm
Water	<	1 ppm
Xenon	<	5 ppm

Product Code	Cylinder Size	Content US	Content Metric
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G2155101	1A	177 ft <sup>3</sup>	5000 L
G2155140	2	71 ft <sup>3</sup>	2000 L
G2155150	3	36 ft <sup>3</sup>	1000 L
G2155165	4	7.1 ft <sup>3</sup>	200 L
G2155178	6	3.53 ft <sup>3</sup>	100 L
G2155182	7A	0.88 ft <sup>3</sup>	25 L

Equipment Recommendations	Model No.	Page No.
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Dual Stage Reg.	Series 3810-580	318
Single Stage Reg.	Series 3510-580	312
LB Regulator	Series 3570-170	314
Low Dead Volume Reg.	3590A-580	315
Cross Purge	4774-580	422
Outlet Plug Wrench	TW-4	430

\*A Certificate of Analysis will be provided with each cylinder at a nominal charge.