



Krypton

Description

Formula Kr

Gas Data

Molecular Weight: 83.80
 Density: 3.479 kg/m³ @ 21.1°C, 101.325 kPa
 0.2172 lb/ft³ @ 70°F, 14.696 psia
 Specific Volume: 0.2874 m³/kg @ 21.1°C, 101.325 kPa
 4.604 ft³/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
6B	580	680	4,688	20	9
7A	580	725	4,999	6	3
7	580	220	1,517	6	3

Gas Grade Purity Specifications

Krypton, Research Purity 99.998%
Guaranteed Analysis
 Argon < 1 ppm
 Carbon Dioxide < 1 ppm
 Carbon Monoxide < 1 ppm
 Helium < 1 ppm
 Hydrogen < 1 ppm
 Methane < 1 ppm
 Nitrogen < 10 ppm
 Oxygen < 2 ppm
 THC < 0.1 ppm
 Water < 4 ppm
 Xenon < 10 ppm

Product Code	Cylinder Size	Content US	Content Metric
G2155101	1A	177 ft ³	5000 L
G2155140	2	71 ft ³	2000 L
G2155150	3	36 ft ³	1000 L
G2155165	4	7.1 ft ³	200 L
G2155178	6	3.53 ft ³	100 L
G2155179	6B	1.77 ft ³	50 L
G2155182	7A	0.88 ft ³	25 L
G2155181	7	0.25 ft ³	7 L

Equipment Recommendations	Model No.	Page No.
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.