



Xenon

Description

Formula: Xe

Gas Data

Molecular Weight: 131.29
 Density: 5.472 kg/m³ @ 21.1°C, 101.325 kPa
 0.3416 lb/ft³ @ 70°F, 14.696 psia
 Specific Volume: 0.1827 m³/kg @ 21.1°C, 101.325 kPa
 2.927 ft³/lb @ 70°F, 14.696 psia

Shipping Information

CAS Registry Number: 7440-63-3
 UN Number: UN 2036
 ECCN Number: EAR99
 DOT Proper Shipping Name: Xenon, Compressed
 DOT Classification: 2.2 (Nonflammable Gas)
 DOT Label: NON-FLAMMABLE GAS
 TC Shipping Name: Xenon, Compressed
 TC Classification: 2.2
 TC Label: NON-FLAMMABLE GAS,
 NON-POISONOUS GAS

Cylinder Specifications

Cylinder Size	Valve Outlet CGA No.	Pressure psig @ 70°F	Pressure kPa @ 21.1°C	Approximate Ship Weight	
				lb	kg
1A	580	varies	varies	varies	varies
2	580	varies	varies	varies	varies
3	580	varies	varies	varies	varies
4	580	varies	varies	varies	varies
6	580	800	5,516	20	9
6B	580	600	4,137	20	9
7B	580	600	4,137	6	3
7A	580	415	2,861	6	3
7	580	215	1,482	6	3

Gas Grade Purity Specifications	Product Code	Cylinder Size	Content US	Content Metric	Equipment Recommendations	Model No.	Page No.
Xenon, Research Purity 99.999%	G2191101	1A	177 ft ³	5000 L	Dual Stage Reg.	Series 3810-580	318
<i>Guaranteed Specifications</i>	G2191140	2	35 ft ³	1000 L	Single Stage Reg.	Series 3510-580	312
Argon < 1 ppm	G2191150	3	17.5 ft ³	500 L	LB Regulator	Series 3570-170	314
Carbon Dioxide < 0.1 ppm	G2191165	4	8.83 ft ³	250 L	Low Dead Volume Reg.	3590A-580	315
Carbon Monoxide < 0.1 ppm	G2191186	7	0.88 ft ³	25 L	Cross Purge	4774-580	422
Hydrogen < 1 ppm					Leak Detector	8066	406
Krypton < 2 ppm					Outlet Plug Wrench	TW-4	430
Methane < 0.1 ppm							
Nitrogen < 3 ppm							
Oxygen < 1 ppm							
Water < 2 ppm							

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