



# Xenon

### Description

Formula: Xe

### Gas Data

Molecular Weight: 131.29  
 Density: 5.472 kg/m<sup>3</sup> @ 21.1°C, 101.325 kPa  
 0.3416 lb/ft<sup>3</sup> @ 70°F, 14.696 psia  
 Specific Volume: 0.1827 m<sup>3</sup>/kg @ 21.1°C, 101.325 kPa  
 2.927 ft<sup>3</sup>/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		Approximate Ship Weight	
		psig @ 70°F	kPa @ 21.1°C	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

#### Xenon, Research Purity 99.999%

#### Guaranteed Specifications

Argon	<	1 ppm
Carbon Dioxide	<	0.1 ppm
Carbon Monoxide	<	0.1 ppm
Hydrogen	<	1 ppm
Krypton	<	2 ppm
Methane	<	0.1 ppm
Nitrogen	<	3 ppm
Oxygen	<	1 ppm
Water	<	2 ppm

Product Code	Cylinder Size	Content	
		US	Metric
G2191101	1A	177 ft <sup>3</sup>	5000 L
G2191140	2	35 ft <sup>3</sup>	1000 L
G2191150	3	17.5 ft <sup>3</sup>	500 L
G2191165	4	8.83 ft <sup>3</sup>	250 L
G2191186	7	0.88 ft <sup>3</sup>	25 L

Equipment Recommendations	Model No.
Dual Stage Reg.	Series 3810-580
Single Stage Reg.	Series 3510-580
LB Regulator	Series 3570-170
Low Dead Volume Reg.	3590A-580
Cross Purge	4774-580
Leak Detector	8066
Outlet Plug Wrench	TW-4

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

⚠ WARNING: This product can expose you to chemicals including Carbon Monoxide, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).