



## 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 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.
<b>Xenon, Research Purity 99.999%</b>	G2191101	1A	177 ft <sup>3</sup>	5000 L	Dual Stage Reg.	Series 3810-580	318
<i>Guaranteed Specifications</i>	G2191140	2	35 ft <sup>3</sup>	1000 L	Single Stage Reg.	Series 3510-580	312
Argon < 1 ppm	G2191150	3	17.5 ft <sup>3</sup>	500 L	LB Regulator	Series 3570-170	314
Carbon Dioxide < 0.1 ppm	G2191165	4	8.83 ft <sup>3</sup>	250 L	Low Dead Volume Reg.	3590A-580	315
Carbon Monoxide < 0.1 ppm	G2191186	7	0.88 ft <sup>3</sup>	25 L	Cross Purge	4774-580	422
Helium < 1 ppm					Leak Detector	8066	406
Hydrogen < 1 ppm					Outlet Plug Wrench	TW-4	430
Krypton < 2 ppm							
Methane < 0.1 ppm							
Nitrogen < 3 ppm							
Oxygen < 1 ppm							
Water < 2 ppm							
<i>A Certificate of Analysis will be provided with each cylinder at a nominal charge.</i>							
<b>Xenon, Matheson Purity 99.995%</b>	G2659784	1A	177 ft <sup>3</sup>	5000 L	Dual Stage Reg.	Series 3810-580	318
<i>Guaranteed Specifications</i>	G2659785	2	35 ft <sup>3</sup>	1000 L	Single Stage Reg.	Series 3510-580	312
Argon < 5 ppm	G2659786	3	17.5 ft <sup>3</sup>	500 L	LB Regulator	Series 3570-170	314
Carbon Dioxide < 3 ppm	G2659787	4	8.83 ft <sup>3</sup>	250 L	Low Dead Volume Reg.	3590A-580	315
Carbon Monoxide < 3 ppm	G2191178	6	3.53 ft <sup>3</sup>	100 L	Cross Purge	4774-580	422
Helium < 1 ppm	G2191179	6B	1.77 ft <sup>3</sup>	50 L	Leak Detector	8066	406
Hydrogen < 1 ppm	G2191183	7B	0.88 ft <sup>3</sup>	25 L	Outlet Plug Wrench	TW-4	430
Krypton < 3 ppm	G2191182	7A	0.53 ft <sup>3</sup>	15 L			
Methane < 0.5 ppm	G2191181	7	0.25 ft <sup>3</sup>	7 L			
Nitrogen < 4 ppm							
Oxygen < 1 ppm							
Water < 2 ppm							
<i>A Certificate of Analysis will be provided with each cylinder at a nominal charge.</i>							