



## Molecular Laser Gas Mixtures

### 4-16% Carbon Dioxide – 10-20% Nitrogen – Balance Helium

#### Shipping Information

UN Number: UN 1956  
 DOT Proper Shipping Name: Compressed Gas, nos  
 (List of Components)  
 DOT Classification: 2.2 (Nonflammable Gas)  
 DOT Label: NON-FLAMMABLE GAS  
 TC Shipping Name: Compressed Gas, nos  
 (List of Components)  
 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	2,000	13,790	132	60
2	580	2,000	13,790	83	38
3	580	2,000	13,790	40	18

Gas Mixture Specifications	Product Code	Cylinder Size	Content		Equipment Recommendations	Model No.
			US	Metric		
4-16% Carbon Dioxide*	G0876101	1A	202 ft <sup>3</sup>	5.72 m <sup>3</sup>	Two Stage Reg.	1250-580
10-20% Nitrogen	G0876140	2	79 ft <sup>3</sup>	2.24 m <sup>3</sup>	Single Stage Reg.	Series 3530-580
Balance Helium	G0876150	3	34 ft <sup>3</sup>	0.96 m <sup>3</sup>	Plug Wrench	TW-4
					Cross Purge Assembly	4774-580

\*Available Grades: Primary, Certified Plus, Certified. Specify Grade.

### 2% Carbon Monoxide – 8% Carbon Dioxide, 8% Nitrogen – Balance Helium

#### Shipping Information

UN Number: UN 1956  
 DOT Proper Shipping Name: Compressed Gas, nos  
 (List of Components)  
 DOT Classification: 2.2 (Nonflammable Gas)  
 DOT Label: NON-FLAMMABLE GAS  
 TC Shipping Name: Compressed Gas, nos  
 (List of Components)  
 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	350	1,650	11,376	132	60
2	350	1,650	11,376	83	38
3	350	1,650	11,376	40	18

Gas Mixture Specifications	Product Code	Cylinder Size	Content		Equipment Recommendations	Model No.
			US	Metric		
2% Carbon Monoxide*	G0850901	1A	202 ft <sup>3</sup>	5.72 m <sup>3</sup>	Two Stage Reg.	1250-580
8% Carbon Dioxide	G0850940	2	79 ft <sup>3</sup>	2.24 m <sup>3</sup>	Single Stage Reg.	Series 3530-580
8% Nitrogen	G0850950	3	34 ft <sup>3</sup>	0.96 m <sup>3</sup>	Plug Wrench	TW-4
Balance Helium					Cross Purge Assembly	4774-350

\*Available Grades: Primary, Certified Plus, Certified. Specify Grade.

⚠ 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).

## Neon Mixtures

#### Shipping Information

UN Number: UN 1956  
 DOT Proper Shipping Name: Compressed Gas, nos (Helium, Neon)  
 DOT Classification: 2.2 (Nonflammable Gas)  
 DOT Label: NON-FLAMMABLE GAS  
 TC Shipping Name: Compressed Gas, nos (Helium, Neon)  
 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
7A	580	825	5,688	6	3
7B	580	1,625	11,204	6	3

Gas Mixture Specification	Cylinder Size	Content		Equipment Recommendations	Model No.
		US	Metric		
8.0-20.0% Neon in Helium*	7B	1.77 m <sup>3</sup>	50 L	Two Stage Reg.	1250-580
	7A	0.88 m <sup>3</sup>	25 L	Single Stage Reg.	Series 3530-580
				Plug Wrench	TW-4
				Cross Purge Assembly	4774-580

\*Available Grades: Primary, Certified Plus, Certified. Specify Grade.