



## 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		Approximate Ship Weight	
		psig @ 70°F	kPa @ 21.1°C	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.	Page 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	296
10-20% Nitrogen	G0876140	2	79 ft <sup>3</sup>	2.24 m <sup>3</sup>	Single Stage Reg.	Series 3530-580	313
Balance Helium	G0876150	3	34 ft <sup>3</sup>	0.96 m <sup>3</sup>	Plug Wrench	TW-4	430
					Cross Purge Assembly	4774-580	422

\*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		Approximate Ship Weight	
		psig @ 70°F	kPa @ 21.1°C	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.	Page No.
			US	Metric			
2% Carbon Monoxide*	G0850901	1A	202 ft <sup>3</sup>	5.72 m <sup>3</sup>	Two Stage Reg.	1250-580	296
8% Carbon Dioxide	G0850940	2	79 ft <sup>3</sup>	2.24 m <sup>3</sup>	Single Stage Reg.	Series 3530-580	313
8% Nitrogen	G0850950	3	34 ft <sup>3</sup>	0.96 m <sup>3</sup>	Plug Wrench	TW-4	430
Balance Helium					Cross Purge Assembly	4774-350	422

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

### 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		Approximate Ship Weight	
		psig @ 70°F	kPa @ 21.1°C	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.	Page No.
		US	Metric			
8.0-20.0% Neon in Helium*	7B	1.77 m <sup>3</sup>	50 L	Two Stage Reg.	1250-580	296
	7A	0.88 m <sup>3</sup>	25 L	Single Stage Reg.	Series 3530-580	313
				Plug Wrench	TW-4	430
				Cross Purge Assembly	4774-580	422

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