



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 ³	5.72 m ³	Two Stage Reg.	1250-580	296
10-20% Nitrogen	G0876140	2	79 ft ³	2.24 m ³	Single Stage Reg.	Series 3530-580	313
Balance Helium	G0876150	3	34 ft ³	0.96 m ³	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 ³	5.72 m ³	Two Stage Reg.	1250-580	296
8% Carbon Dioxide	G0850940	2	79 ft ³	2.24 m ³	Single Stage Reg.	Series 3530-580	313
8% Nitrogen	G0850950	3	34 ft ³	0.96 m ³	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 ³	50 L	Two Stage Reg.	1250-580	296
	7A	0.88 m ³	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.