

GAS FOR SPECIAL APPLICATION

LASER GASES

Sun Air offers a complete line of laser mixtures. We are looking at the laser manufacturer's gas specifications for purity. To meet these demands, all of our supplied laser gases are produced and certified to meet or exceed the tightest specifications for moisture and hydrocarbon content. The most common mixtures are listed below. Please call us for particular requirements.

MIXTURE FOR FLOW THROUGH CARBON DIOXIDE LASER*

COMPONENTS	CYLINDER SIZE	CONTENT / CU.FT.	PRESSURE PSIG	CGA CONN.
4.5% Carbon Dioxide, 13.5% Nitrogen, Balance Helium	049	240	2000	580
	044	210	2000	580
2% Carbon Monoxide, 6-8% Carbon Dioxide, 6-8% Nitrogen, Balance Helium	049	240	2000	350
	044	210	2000	350
0.4% Hydrogen, 4% Carbon Monoxide, 8% Carbon Dioxide, 8% Nitrogen, Balance Helium	049	240	2000	350
	044	210	2000	350
0.4% Hydrogen, 4% Carbon Monoxide, 6% Carbon Dioxide, 12% Nitrogen, Balance Helium	049	240	2000	350
	044	210	2000	350

* Customer mixtures are available, please contact HSG representatives for your particular requirement.

MIXTURES FOR HELIUM-NEON LASER

COMPONENTS	CYLINDER SIZE	CONTENT / CU.FT.	PRESSURE PSIG	CGA CONN.
2-20% Neon Balance Helium	049	240	2000	580
	044	210	2000	580
6.25% Argon, 3.0% Helium Balance Helium	049	240	2000	580
	044	210	2000	580

Laser gases are commonly used in laser cutting and laser marking industry.