



NITROGEN

2 COMPONENT MIXTURES

NITROGEN BALANCE ARGON					
Concentration*	Cylinder Size	Volume (ft ³)	CGA	Mixture Grades Available	Equipment Recommended
1 ppm – 50%	DA	146	590	Primary Standard	400 Series regulator
	QA	84		Certified Standard	
	GA	32		Uncertified	
	K	200			
	Q	67			
	G	34			
D.O.T. Proper Shipping Name:		Compressed gas, n.o.s., (Argon, Nitrogen)			
I.D. Number:		UN1956			
Hazard Class:		2.2			
Shipping Labels:		Nonflammable Gas			

NITROGEN BALANCE HELIUM					
Concentration	Cylinder Size	Volume (ft ³)	CGA	Mixture Grades Available	Equipment Recommended
1 ppm – 50%	DA	146	580	Primary Standard	400 Series regulator
	QA	84		Certified Standard	
	GA	32		Uncertified	
	K	200			
	Q	67			
	G	34			
D.O.T. Proper Shipping Name:		Compressed gas, n.o.s., (Helium, Nitrogen)			
I.D. Number:		UN1956			
Hazard Class:		2.2			
Shipping Labels:		Nonflammable Gas			

NITROGEN BALANCE HYDROGEN					
Concentration	Cylinder Size	Volume (ft ³)	CGA	Mixture Grades Available	Equipment Recommended
1 ppm – 50%	DA	146	580	Primary Standard	400 Series regulator
	QA	84		Certified Standard	
	GA	32		Uncertified	
	K	200			
	Q	67			
	G	34			
D.O.T. Proper Shipping Name:		Compressed gas, n.o.s., (Hydrogen, Nitrogen)			
I.D. Number:		UN1954			
Hazard Class:		2.1			
Shipping Labels:		Flammable Gas			



NITROGEN

2 COMPONENT MIXTURES

NITROGEN BALANCE OXYGEN					
Concentration	Cylinder Size	Volume (ft ³)	CGA	Mixture Grades Available	Equipment Recommended
1 ppm – 50%	DA	146	296	Primary Standard	400 Series regulator
	QA	84		Certified Standard	
	GA	32		Uncertified	
	K	200			
	Q	67			
	G	34			
D.O.T. Proper Shipping Name:		Compressed gas, oxidizing, n.o.s., (Oxygen, Nitrogen)			
I.D. Number:		UN3156			
Hazard Class:		2.2 (5.1)			
Shipping Labels:		Nonflammable Gas, Oxidizer			

*Cylinder pressure and volume varies proportionately at higher concentrations.

A certification will be provided upon request for a nominal fee, except for uncertified mixtures.

TECHNICAL INFORMATION	
High Pressure Cylinder:	2000 psig @ 70° Fahrenheit

BUILD MIXTURE PART NUMBER:

To build your part number, select the code that corresponds to each section. Start with the Balance Gas, next enter the Minor Component followed by the Minor Component Concentration. Then select the Mixture Grade and finally the Cylinder Size. Add a dash “-” before the size code to complete the part number. Let’s create a part number. For example, take a Primary Standard grade of 5 ppm NITROGEN balance OXYGEN in a size DA cylinder. From the table below we can follow the tables to come up with OX NI5MP-DA.

Balance Gas (A B)		Minor Comp Code (C D E)		Minor Component Concentration ([E] F G H I)		Mixture Grade (J)		Cylinder Size (K L)
Balance Gas	Code	Minor Gas	Code	Concentration	Code	Grade	Code	Code
Argon	AR	Nitrogen	NI	5 PPM to 99 PPM	5M – 99M	Primary Standard	P	DA
Helium	HE			100 PPM to 999 PPM	100 – 999	Certified Standard	C	QA
Hydrogen	HY			1,000 PPM to 9,999 PPM	1000 – 9999	Uncertified	U	GA
Oxygen	OX			1% to 50%	1 – 50			K Q G
Example Only: OX		NI		5M		P		DA