OXYGEN

2 COMPONENT MIXTURES

OXYGEN BALANCE ARGON					
Concentration*	**Cylinder Size**	**Volume (ft³)**	**CGA**	**Mixture Grades Available**	**Equipment Recommended**
1 ppm – 5%	DA	146	580	Primary Standard	400 Series regulator
	QA	84		Certified Standard	
5.1% - 23.0%	GA	32	590	Uncertified	
	K	200			
23.1% - 99%	Q	67	296		
	G	34			
D.O.T. Proper Shipping Name:	Compressed gas, n.o.s., (Argon, Oxygen)				
I.D. Number:	UN1956				
Hazard Class:	2.2				
Shipping Labels:	Nonflammable Gas				

OXYGEN BALANCE HELIUM					
Concentration	**Cylinder Size**	**Volume (ft³)**	**CGA**	**Mixture Grades Available**	**Equipment Recommended**
1 ppm – 5%	DA	146	580	Primary Standard	400 Series regulator
	QA	84		Certified Standard	
5.1% - 23.0%	GA	32	590	Uncertified	
	K	200			
23.1% - 99%	Q	67	296		
	G	34			
D.O.T. Proper Shipping Name:	Compressed gas, n.o.s., (Helium, Oxygen)				
I.D. Number:	UN1956				
Hazard Class:	2.2				
Shipping Labels:	Nonflammable Gas				

OXYGEN BALANCE NITROGEN					
Concentration	**Cylinder Size**	**Volume (ft³)**	**CGA**	**Mixture Grades Available**	**Equipment Recommended**
1 ppm – 5%	DA	146	580	EPA Protocol[1]	400 Series regulator
	QA	84		Primary Lab Master	
5.1% - 23.0%	GA	32	590	Certified Lab Master	
	K	200		Primary Standard	
23.1% - 99%	Q	67	296	Certified Standard	
	G	34		Uncertified	
D.O.T. Proper Shipping Name:	Compressed gas, n.o.s., (Nitrogen, Oxygen)				
I.D. Number:	UN1956				
Hazard Class:	2.2				
Shipping Labels:	Nonflammable Gas				

*Cylinder pressure and volume varies proportionately at higher concentrations.

[1]Available in aluminum cylinders only. Available concentrations for NIST Traceable mixtures to be determined by the availability of reference materials. A certification will be provided upon request for a nominal fee, except for uncertified mixtures.

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

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2 COMPONENT MIXTURES

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 OXYGEN balance NITROGEN in a size DA cylinder. From the table below we can follow the tables to come up with NI OX5MP-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	Oxygen	OX	5 PPM to 99 PPM	5M – 99M	EPA Protocol[1]	E	DA
Helium	HE			100 PPM to 999 PPM	100 – 999	Primary Lab Master	PM	QA
Nitrogen	NI			1,000 PPM to 9,999 PPM	1000 – 9999	Certified Lab Master	CM	GA
				1% to 99%	1 – 99	Primary Standard	P	K
						Certified Standard	C	Q
						Uncertified	U	G
Example Only: NI		**OX**		**5M**		**P**		**DA**