PurityPlus® SPECIALTY GASES

Nitrogen

A colorless, odorless, chemically inert gas.

Technical Information:	
Chemical Symbol:	N_2
Molecular Weight:	28.01
Specific Volume	13.8 ft^3/lb (0.86 m^3/kg)
CAS Registry Number:	7727-37-9

Shipping Information:	
DOT Proper Name:	Nitrogen, Compressed
Hazard Class:	2.2
I.D. Number:	UN 1066
Labels:	Nonflammable Gas

Grade	Purity	Impurity	Specification	Equipment Recommended
PurityPlus 6.0 (Research)	99.9999%	Oxygen Moisture Total Hydrocarbons Carbon Monoxide Carbon Dioxide Total Impurities	< 0.2 ppm < 0.2 ppm < 0.1 ppm < 0.1 ppm < 0.1 ppm < 1 ppm	Regulator with stainless steel bar stock body, SS diaphragm
PurityPlus 5.5 (Chromatograph)	99.9995%	Oxygen Moisture Total Hydrocarbons Carbon Monoxide Carbon Dioxide	<1 ppm < 1 ppm < 0.1 ppm < 1 ppm < 1 ppm	Regulator with brass bar stock body, SS diaphragm
PurityPlus 5.0 (Ultra High Purity)	99.999%	Oxygen Moisture Total Hydrocarbons	< 1 ppm < 1 ppm < 0.5 ppm	Regulator with brass bar stock body, SS diaphragm
PurityPlus CEM	99.999%	Oxygen Moisture THC CO2 CO SO2 NOx	< 1.0 ppm < 2.0 ppm < 0.1 ppm < 1.0 ppm < 0.5 ppm < 0.1 ppm < 0.1 ppm	Regulator with brass bar stock body, SS diaphragm
PurityPlus 4.8 (Prepurified)	99.998%	Oxygen Moisture	< 5 ppm < 5 ppm	Regulator with brass bar stock body, SS diaphragm
PurityPlus Zero 4.8	99.998%	Total Hydrocarbons	< 0.5 ppm	Regulator with brass bar stock body, SS diaphragm
PurityPlus O_2 Free 4.8	99.998%	Oxygen	< 0.5 ppm	Regulator with brass bar stock body, SS diaphragm

See page 4.1 for PurityPlus Co-Branded Equipment Catalog.

Standard Cylinder Sizes *	Contents ft^3/m^3	Cylinder Pressure PSIG	CGA Valve Connection
300	304	2640	580
200	228	2200	580
80	76	2200	580

*Nonstandard cylinder sizes available upon request