

A colorless, odorless, chemically inert gas.

Nitrogen

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	Part No.	Purity	Impurity	Specification	Equipment Recommended
PurityPlus 6.0 (Research)	NIT-60-XX	99.9999%	Oxygen Moisture Total Hydrocarbons CO/CO ₂	< 0.15 ppm < 0.15 ppm 0.10 ppm 0.10 ppm	400 series stainless steel regulator see page 4.16
PurityPlus 5.0 (Ultra High Purity)	NIT-50-XX	99.999%	Oxygen Moisture Total Hydrocarbons	< 2 ppm < 3 ppm < 0.5 ppm	300 series brass regulator see page 4.12
PurityPlus 4.8 (Prepurified)	NIT-48-XX	99.998%	Oxygen Moisture	< 5 ppm < 5 ppm	300 series brass regulator see page 4.12
PurityPlus Zero 4.8	NIT-48-XX	99.998%	Total Hydrocarbons	< 0.5 ppm	300 series brass regulator see page 4.12
PurityPlus O₂ Free 4.8	NIT-OF-XX	99.998%	Oxygen	< 0.5 ppm	300 series brass regulator see page 4.12
PurityPlus 4.8 (3500 or 6000 PSIG)	NIT-3K NIT-6K	99.998%	Oxygen Moisture	< 5 ppm < 5 ppm	492 series ultra high pressure regulator see page 4.44

XX - Complete the part number with the desired cylinder size listed below. (ie. NIT-60-300)

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
6K	494	6000	677

*Nonstandard cylinder sizes available upon request