

A colorless, odorless, tasteless, inert gas.

Helium

Technical Information:	
Chemical Symbol:	He
Molecular Weight:	4.003
Specific Volume	96.7 ft ³ /lb (6.0 m ³ /kg)
CAS Registry Number:	7440-59-7

Shipping Information:	
DOT Proper Name:	Helium, Compressed
Hazard Class:	2.2
I.D. Number:	UN 1046
Labels:	Nonflammable Gas

Grade	Part No.	Purity	Impurity	Specification	Equipment Recommended
PurityPlus 6.0 (Chromatographic)	HEL-60-XX	99.9999%	Oxygen Moisture Nitrogen Total Hydrocarbons Carbon Monoxide Carbon Dioxide Total of all impurities	< 0.5 ppm < 1 ppm < 1 ppm < 0.2 ppm < 0.1 ppm < 0.1 ppm < 1 ppm	400 series stainless steel regulator see page 4.16
PurityPlus 5.5	HEL-55-XX	99.9995%	Oxygen Nitrogen Moisture Total Hydrocarbons	< 1 ppm < 4 ppm < 1 ppm < 0.5 ppm	300 series brass regulator see page 4.12
PurityPlus 5.0 (Ultra High Purity)	HEL-50-XX	99.999%	Oxygen Moisture Total Hydrocarbons	< 2 ppm < 2 ppm < 0.5 ppm	300 series brass regulator see page 4.12
PurityPlus N2 Free 5.0	HEL-NF-XX	99.999%	Oxygen Moisture Nitrogen Total Hydrocarbons	< 2 ppm < 2 ppm < 6 ppm < 0.5 ppm	300 series brass regulator see page 4.12
PurityPlus Zero 4.8	HEL-48-XX	99.998%	Total Hydrocarbons	< 0.5 ppm	300 series brass regulator see page 4.12
PurityPlus 4.7 (Prepurified)	HEL-47-XX	99.997%	Oxygen Moisture	< 5 ppm < 5 ppm	300 series brass regulator see page 4.12
PurityPlus 4.7 (6000 PSIG)	HEL-6K	99.997%	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. HEL-60-300)

Standard Cylinder Sizes *	Contents ft ³ /m ³	Cylinder Pressure PSIG	CGA Valve Connection
300	291	2640	580
200	217	2200	580
80	73	2200	580
6K	515	6000	677

*Nonstandard cylinder sizes available upon request