

A colorless, odorless, tasteless, inert gas.

# Helium

Technical Information:	
Chemical Symbol:	He
Molecular Weight:	4.003
Specific Volume	96.7 ft <sup>3</sup> /lb (6.0 m <sup>3</sup> /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
<b>PurityPlus 7.0</b>	HEL-70-XX	99.9999%	Oxygen Moisture Nitrogen Total Hydrocarbons Carbon Monoxide Carbon Dioxide Total Impurities	< 50 ppb < 50 ppb < 50 ppb < 20 ppb < 20 ppb < 20 ppb < 100 ppb	
<b>PurityPlus 6.0 (Research)</b>	HEL-60-XX	99.9999%	Oxygen Moisture Nitrogen Total Hydrocarbons Carbon Monoxide Carbon Dioxide Total of all impurities	< 0.2 ppm < 0.2 ppm < 0.4 ppm < 0.1 ppm < 0.1 ppm < 0.1 ppm < 1 ppm	400 series stainless steel regulator see page 4.18
<b>PurityPlus 5.5 (Chromatograph)</b>	HEL-55-XX	99.9995%	Oxygen Nitrogen Moisture Total Hydrocarbons	< 1 ppm < 3 ppm < 1 ppm < 0.5 ppm	300 series brass regulator see page 4.12
<b>PurityPlus 5.0 (Ultra High Purity)</b>	HEL-50-XX	99.999%	Oxygen Moisture Total Hydrocarbons	< 1 ppm < 1 ppm < 0.5 ppm	
<b>PurityPlus Zero 4.8</b>	HEL-48-XX	99.998%	Total Hydrocarbons	< 0.5 ppm	
<b>PurityPlus 4.7 (Prepurified)</b>	HEL-47-XX	99.997%	Oxygen Moisture	< 5 ppm < 5 ppm	

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

Standard Cylinder Sizes *	Contents ft <sup>3</sup> /m <sup>3</sup>	Cylinder Pressure PSIG	CGA Valve Connection
300	291	2640	580
200	217	2200	580
80	73	2200	580

\*Nonstandard cylinder sizes available upon request