

# Helium He

## Technical Data

Molecular Weight	4.003
Boiling Point	- 452.1° F
Specific Volume	96.7 cf/lb
Critical Temperature	- 450.3° F
Critical Pressure	33.2 psia

## Safety Data

Flammable Limits	Nonflammable
Toxicity	Simple asphyxiant
Compatibility	Noncorrosive

## Shipping Data

DOT Name	Helium, Compressed
Hazard Class	2.2
ID No.	UN1046
DOT Label	Nonflammable Gas
CAS. No.	7440-59-7

## Chromatographic

**Specifications:** Min. purity 99.9999%  
Total maximum impurities < 1 ppm

Product Code	Cylinder Size	Contents cu. ft.	Pressure psig @ 70° F	Valve Outlet CGA	Recommended Pressure Regulator Type	Series	Page
LW806	T	291	2640	580	Two-stage	Model 600	122
					Single-stage	Model 600	121

## UHP Plus

**Specifications:** Min. purity 99.9995%  
THC < 0.5 ppm N<sub>2</sub> < 5 ppm  
H<sub>2</sub>O < 1 ppm O<sub>2</sub> < 1 ppm

Product Code	Cylinder Size	Contents cu. ft.	Pressure psig @ 70° F	Valve Outlet CGA	Recommended Pressure Regulator Type	Series	Page
LW800P	T	291	2640	580	Two-stage	Model 600	122
LW810P	K	219	2200	580	Single-stage	Model 600	121
LW855P	Q	83	2200	580			

## UHP/Zero

**Specifications:** Min. purity 99.999%  
THC < 0.5 ppm H<sub>2</sub>O < 3 ppm  
O<sub>2</sub> < 2 ppm

Product Code	Cylinder Size	Contents cu. ft.	Pressure psig @ 70° F	Valve Outlet CGA	Recommended Pressure Regulator Type	Series	Page
LW800	T	291	2640	580	Two-stage	Model 600	122
LW810	K	219	2200	580	Single-stage	Model 600	121
LW855	Q	83	2200	580			
LW821	G	34	2200	580			
EX080	ExCaliber™	3.6	1775	180	ExCaliber™ Support Equipment		103