

Nitrogen N_2

Technical Data		Safety Data		Shipping Data	
Molecular Weight	28.01	Flammable Limits	Nonflammable	DOT Name	Nitrogen, Compressed
Boiling Point	- 320.4° F	Toxicity	Simple asphyxiant	Hazard Class	2.2
Specific Volume	13.8 cf/lb	Compatibility	Noncorrosive	ID No.	UN1066
Critical Temperature	- 232.4° F			DOT Label	Nonflammable Gas
Critical Pressure	492.9 psia			CAS. No.	7727-37-9

Scientific

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
AC413	KAL	142	2000	580	Two-stage	Model 600	122
					Single-stage	Model 600	121

*Purity excluding Argon and Neon

UHP Plus

Specifications: Min. purity 99.9993%*
O₂ < 1 ppm THC < 0.2 ppm
H₂O < 1 ppm

Product Code	Cylinder Size	Contents cu. ft.	Pressure psig @ 70° F	Valve Outlet CGA	Recommended Pressure Regulator		
					Type	Series	Page
LW411P	T	304	2640	580	Two-stage	Model 600	122
LW417P	K	228	2200	580	Single-stage	Model 600	121
LW455P	Q	84	2200	580			

*Purity excluding Argon and Neon

UHP/Zero

Specifications: Min. purity 99.999%*
O₂ < 1 ppm THC < 0.5 ppm
H₂O < 2 ppm

Product Code	Cylinder Size	Contents cu. ft.	Pressure psig @ 70° F	Valve Outlet CGA	Recommended Pressure Regulator		
					Type	Series	Page
LW411	T	304	2640	580	Two-stage	Model 600	122
LW417	K	228	2200	580	Single-stage	Model 600	121
LW459	Q	84	2200	580			
LW411G	G	36	2200	580			
LW460U	LB	2	1775	180	Lecture Bottle	Model 400	133
EX040	ExCaliber™	3.6	1775	180	ExCaliber™ Support Equipment		103

*Purity excluding Argon and Neon