



# NITROGEN $N_2$

## CRYOGENIC LIQUID

*Colorless, odorless, nonflammable cryogenic liquid.*

### SHIPPING INFORMATION

D.O.T. Proper Shipping Name: Nitrogen, Refrigerated Liquid  
 I.D. Number: UN1977  
 Hazard Class: 2.2  
 Shipping Labels: Nonflammable Gas

### TECHNICAL INFORMATION

Molecular Weight: 28.013  
 Specific Volume: 13.3 ft<sup>3</sup>/lb.  
 CAS Registry: 7727-37-9 (R)  
 Safety Data Sheet Reference: Liquid Nitrogen

### PRODUCT GRADE SPECIFICATIONS

Grade Name	Grade	Minimum Purity	Grade Code	Catalog Number <sup>1</sup>	Maximum Impurity Specifications in PPM by volume (unless otherwise specified) <sup>2</sup>						
					O <sub>2</sub>	H <sub>2</sub> O	THC (as CH <sub>4</sub> )	CO+ CO <sub>2</sub>	CO	CO <sub>2</sub>	
Ultra High Purity	5.0	99.999%	UHP	SG NIUHP-	2	2	0.5				
High Purity	4.8	99.998%	HP	SG NIHP-	5	3					

**Notes:**

<sup>1</sup> Complete the catalog number by selecting cylinder size code using chart below.

<sup>2</sup> Specifications are typical results and are subject to change without notice.

### CYLINDER INFORMATION

Cylinder Size	Cylinder Size Code	Volume <sup>3</sup> ft <sup>3</sup>	Pressure <sup>4</sup> (PSIG)	Valve Connection CGA	Gross Weight (lbs.)
<b>Cryogenic Liquid Containers</b>					
230 liter	230	5024	22 / 230 / 350	DUAL 580 & 295	697
180 liter	180	4099	22 / 230 / 350	DUAL 580 & 295	580
160 liter	160	3685	22 / 230 / 350	DUAL 580 & 295	531

**Notes:**

<sup>3</sup> This product is sold by the cylinder. Fill volumes will vary depending on pressure setting and may vary slightly depending on the cylinder manufacturer's specifications. Volumes noted are based on 230psig safety.

<sup>4</sup> Choose pressure setting. 22 psig is for liquid phase and 230 or 350 is for gas phase.

**Also available in other packaging and features such as:**

- Micro Bulk
- Bulk
- Telemetry service

*Contact your WestAir representative about equipment recommendations for this product.*