



Product Specification

AMMONIA (NH₃)

General Characteristics: A colorless, non-flammable, liquefied gas with strong smell.

Health Hazards: Toxic. Highly irritating to the mucous membranes and eyes. Contact with skin causes severe burns.

Gas Grade/Purity	Cylinder Size	Contents	Product Code
ELECTRONIC Min. Purity: 99.999% H ₂ O < 3 ppm O ₂ < 1 ppm N ₂ < 2 ppm CO < 1 ppm CH ₄ < 1 ppm	44 L	22.7 kg	NH35N44
	10 L	5.0 kg	NH35N16
	LB	170 g	NH35NLB
ANHYDROUS Min. Purity: 99.99% (Liquid phase) H ₂ O < 10 ppm O ₂ < 20 ppm N ₂ < 50 ppm CO < 10 ppm CH ₄ < 10 ppm	800 LP	400 kg	NH34N800
	100 LP	50 kg	NH44N100
	44 L	22.7 kg	NH34N44
	16 L	6.8 kg	NH34N16
	10 L	5.0 kg	NH34N10
	LB	170 g	NH34NLB

Cylinder Specification

Cylinder Size	Cylinder Dimension Diameter x Height	Connection	Content
800 LP	750 cm x 1800 cm approx.	QF -11	Net content : 400 kg Pressure@70°F: 114 psig
100 LP	36 cm x 118 cm approx.	QF - 11	Net content : 50 kg Pressure@70°F: 114 psig
44 L	23 cm x 130 cm approx.	CGA 705	Net content : 22.7 kg Pressure@70°F: 114 psig
16 L	18 cm x 82 cm approx.	CGA 705	Net content : 6.8 kg Pressure@70°F: 114 psig
10 L	18 cm x 60 cm approx.	CGA 705	Net content : 5.0 kg Pressure@70°F: 114 psig
LB	5 cm x 30 cm approx.	CGA 180	Net content : 170 g Pressure@70°F: 544 psig

Technical Information

Molecular Weight	17.031	Dot Name	Ammonia, Anhydrous, Liquefied
Specific Volume	22.60CF/lb	UN No.	UN1005
Fire Potential	15 - 28% in Air	Dot Class	2.2
TLV-TWA	25 ppm (ACGIH 1991 -1992)	Dot Label.....	Non-Flammable Gas, Inhalation Hazard
CGA Valve	705	Cas Registry	7664-41-7
LB	180		