



Product Specification

ETHANE (C₂H₆)

General Characteristics: A colorless, flammable, liquefied and odorless gas.

Health Hazards: A simple asphyxiant

Gas Grade/Purity	Cylinder Size	Contents	Product Code
ULSI Min. Purity: 99.9999% CO/ CO ₂ < 100 ppb, H ₂ O < 300 ppb, N ₂ < 200 ppb, O ₂ < 100 ppb, Other HC < 300 ppb	44 L	14.5 kg	C2H66NR
	10 L	3.6 kg	C2H66NG
	LB	113 g	C2H66NLB
VLSI Min. Purity: 99.9995% CO/ CO ₂ < 500 ppb, H ₂ O < 1000 ppb, N ₂ < 1000 ppb, O ₂ < 500 ppb, Other HC < 2000 ppb	44 L	14.5 kg	C2H65N5R
	10 L	3.6 kg	C2H65N5G
	LB	113 g	C2H65N5LB
High Purity Min. Purity: 99.99% CO/ CO ₂ < 5 ppm, H ₂ O < 5 ppm, N ₂ < 10 ppm, O ₂ < 5 ppm, Other HC < 80 ppm	44 L	14.5 kg	C2H64NR
	10 L	3.6 kg	C2H64NG
	LB	113 g	C2H64NLB
C.P. Min. Purity: 99.5% CO/ CO ₂ < 50 ppm, H ₂ O < 50 ppm, N ₂ < 100 ppm, O ₂ < 50 ppm, Other HC < 700 ppm	44 L	14.5 kg	C2H62N5R
	10 L	3.6 kg	C2H62N5G
	LB	113 g	C2H62N5LB

Cylinder Specification

Cylinder Size	Cylinder Dimension Diameter x Height	Connection	Content
44 L	23 cm x 130 cm approx.	BS 341 No.4	Net content : 14.5 kg Pressure@70°F: 544 psig
10 L	18 cm x 60 cm approx.	BS 341 No.4	Net content : 3.6 kg Pressure@70°F: 544 psig
LB	5 cm x 30 cm approx.	CGA 180	Net content : 113 g Pressure@70°F: 544 psig

Technical Information

Molecular Weight	30.07	Dot Name	Ethane, Compressed
Specific Volume	12.80CF/lb	UN No.	UN1033
Fire Potential	3.0 - 12.4% in Air	Dot Class	2.1
TLV-TWA	None established	Dot Label.....	Flammable Gas
CGA Valve	350	Cas Registry	74-84-0
LB	180		



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