



Product Specification

METHANE (CH₄)

General Characteristics: A colorless, flammable and odorless gas.

Health Hazards: A simple asphyxiant

Gas Grade/Purity	Cylinder Size	Contents	Product Code
VLSI Min. Purity: 99.999% Air < 2 ppm, C ₂ H ₄ < 1 ppm, CO < 1 ppm, H ₂ O < 3 ppm, CO ₂ < 1 ppm, C ₂ H ₆ < 2 ppm	44 L	6.2 m ³	CH45NR
	10 L	1.5 m ³	CH45NG
	LB	57 L	CH45NLB
Research Min. Purity: 99.992% Air < 20 ppm, C ₂ H ₄ < 1 ppm, CO < 1 ppm, H ₂ O < 5 ppm, CO ₂ < 1 ppm, C ₂ H ₆ < 20 ppm	44 L	6.2 m ³	CH44N2R
	10 L	1.5 m ³	CH44N2G
	LB	57 L	CH44N2LB
Ultra High Purity Min. Purity: 99.99% H ₂ O < 10 ppm CO < 10 ppm CO ₂ < 10 ppm	44 L	6.2 m ³	CH44NR
	10 L	1.5 m ³	CH44NG
	LB	57 L	CH44NLB
C.P. Min. Purity: 99% H ₂ O < 50 ppm CO < 50 ppm CO ₂ < 50 ppm	44 L	6.2 m ³	CH42NR
	10 L	1.5 m ³	CH42NG
	LB	57 L	CH42NLB

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 : 6200 L Pressure@70°F: 2000 psig
10 L	18 cm x 60 cm approx.	BS 341 No.4	Net content : 1500 L Pressure@70°F: 2000 psig
LB	5 cm x 30 cm approx.	CGA 180	Net content : 57 g Pressure@70°F: 200 psig

Technical Information

Molecular Weight	16.04	Dot Name	Methane, Compressed
Specific Volume	23.80CF/lb	UN No.	UN1971
Fire Potential	5.0 - 15.4% in Air	Dot Class	2.1



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TLV-TWA	None established	Dot Label.....	Flammable Gas
CGA Valve	350	Cas Registry	74-82-8
LB	180		