

Halocarbon 14 CF₄

Synonyms: Tetrafluoromethane, Carbon Tetrafluoride, Carbon Fluoride, Freon 14, R14

Physical Constants of Gas

Molecular Weight 88.01
 Vapor Pressure 543.2 psia at -50.2°F
 Specific Volume 4.4 CF/lb. (0.3 m³/kg)
 Boiling Point -198.4°F (-128°C) 1 atm
 Gas Density 70°F 1 atm 3.72 kg/m³

Cylinder Data

CGA Valve Outlet 320, 716

Shipping Data

Shipping Class 70
 DOT Name Tetrafluoromethane
 TC Name Tetrafluoromethane, Compressed
 DOT Class 2.2 (Nonflammable Gas)
 TC Class 2.2 (Nontoxic, Nonflammable Gas)
 WHMIS Class A
 DOT Label Nonflammable Gas
 CAS Registry No. 75-73-0
 UN No./ATA No. UN1982

Safety Information

Can cause rapid suffocation.

Specifications									Recommended Equipment	
Grade	Purity (Minimum)	Size	Contents		Pressure		Weight		Description Model Number	Page
			lbs.	kg	psig	bar	lbs.	kg		
Electronic Grade 2	99.999%	44	70	32	2000	138	205	93	Two-Stage Regulator Q1-14C-(*)	275
		30AL	40	18	1750	120	90	41		
		16	25	11	2000	138	90	41	Single-Stage Regulator Q1-213B-(*)	271
Electronic Grade 1	99.998%	44	70	32	2000	138	205	93	Two-Stage Regulator Q1-14C-(*)	275
		30AL	40	18	1750	120	90	41		
		16	25	11	2000	138	90	41	Single-Stage Regulator Q1-213B-(*)	271

* Specify CGA. Other cylinder connections are also available – please contact your Air Liquide representative.

Our SCOTT™ gas delivery equipment is guaranteed to preserve the purity and integrity of your gas. See page 261.