

Halocarbon 125 C₂HF₅

Synonyms: Pentafluoroethane, Freon 125, Suva® 125, R125

Physical Constants of Gas

Molecular Weight 120.03
 Vapor Pressure 181.1 psia at 70°F
 Specific Volume 3.17 CF/lb. (0.09 m³/kg)
 Boiling Point -54.4°F (-48°C) 1 atm
 Gas Density 70°F 1 atm 2 kg/m³

Cylinder Data

CGA Valve Outlet 660, 716

Shipping Data

Shipping Class 70
 DOT/TC Name Pentafluoroethane
 DOT Class 2.2 (Nonflammable Gas)
 TC Class 2.2 (Nontoxic, Nonflammable Gas)
 WHMIS Class A
 DOT Label Nonflammable Gas
 CAS Registry No. 354-33-6
 UN No./ATA No. UN3220

Safety Information

Can cause rapid suffocation.
 May cause frostbite.

Specifications								Recommended Equipment		
Grade	Purity (Minimum)	Size	Contents		Pressure		Weight		Description Model Number	Page
			lbs.	kg	psig	bar	lbs.	kg		
Electronic Grade 1	99.99%	44	90	41	175	12	225	102	Two-Stage Regulator Q1-14C-(*) Q1-213B-(*)	275 271
H ₂ O < 10 ppm wt N ₂ < 65 ppm O ₂ < 15 ppm Acidity < 0.1 ppm wt Other Organics < 100 ppm		16	35	16	175	12	100	45		

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