

# Halocarbon 125 C<sub>2</sub>HF<sub>5</sub>

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 m<sup>3</sup>/kg)  
 Boiling Point ..... -54.4°F (-48°C) 1 atm  
 Gas Density 70°F 1 atm ..... 2 kg/m<sup>3</sup>

### 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 <sub>2</sub> O < 10 ppm wt		16	35	16	175	12	100	45			
N <sub>2</sub> < 65 ppm											
O <sub>2</sub> < 15 ppm Acidity < 0.1 ppm wt Other Organics < 100 ppm											

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