



Trifluoromethane (CHF₃)

Specifications

	GRADE 3	GRADE 3.5	GRADE 4.5	GRADE 5
Purity	99.9%	99.95%	99.995%	99.999%
Air (N ₂ +O ₂ +CO+CO ₂)	< 500 ppmv	< 400 ppmv	< 30 ppmv	< 5 ppmv
Moisture	< 10 ppmv	< 10 ppmv	< 4 ppmv	< 2 ppmv
Other Organics	< 1,000 ppmv		< 10 ppmv	< 3 ppmv
Methane			< 1 ppmv	
Acidity (HF)	< 0.1 ppmv	< 0.1 ppmv	< 0.1 ppmv	< 0.1 ppmv

Note: Moisture level guaranteed only when EFC Gases & Advanced Materials prepares the cylinders. All concentrations are on a mol/mol basis unless otherwise stated.

Cylinder Sizes

SIZE	FILL WEIGHT (LB)
440L/Y-Ton	700
44L/Size 200	70
16L/Size 80	25
7L/Size 35	11

Technical Data

Molecular Weight: 70.01 g/mol
 Specific Volume: 5.5 cu.f/lbt
 Pressure @ 70°F: 23.5 psig
 Valve Outlet: CGA 660 CGA 320 DISS 716

Shipping Information

DOT Name: Trifluoromethane
 Hazard Class: 2.2
 DOT Number: UN 1984
 DOT Label: Green, Non-Flammable Gas
 CAS Number: 75-46-7