

# PURE GASES

## HALOCARBON-123 CHCl<sub>2</sub>CF<sub>3</sub> (Dichlorotrifluoroethane)

**General Characteristics:** A colorless, non-flammable and non-corrosive gas. Decomposes at high temperatures to toxic substances.

**Health Hazards:** A simple asphyxiant.

GAS GRADE/PURITY SPEC.	CYLINDER SIZE	CONTENTS	EQUIPMENT RECOMMENDATIONS
C.P. Min. Purity 99.9% (Liquid Phase)	044	30 kg	Single-stage high purity regulator, refer to page 140  High purity lecture bottle regulator, refer to page 146
	016	10 kg	
	LB	227 g	

### TECHNICAL INFORMATION

Molecular Weight.....	152.9	Dot Name.....	Dichlorotrifluoroethane
Specific Volume.....	2.76CF/lb	UN No.....	None
Fire Potential.....	Non-flammable	Dot Class.....	2.2
TLV-TWA.....	None established	Dot Label.....	Non-flammable Gas
CGA Valve.....	1/4 inch flare	Cas Registry.....	306-83-2
LB.....	180	Cylinder Pressure @ 70°F.....	28 psig

## HALOCARBON-134a CH<sub>2</sub>FCF<sub>3</sub> (Tetrafluoroethane)

**General Characteristics:** A colorless, non-flammable and non-corrosive gas. Decomposes at high temperatures to toxic substances.

**Health Hazards:** A simple asphyxiant.

GAS GRADE/PURITY SPEC.	CYLINDER SIZE	CONTENTS	EQUIPMENT RECOMMENDATIONS
C.P. Min. Purity 99.9% (Liquid Phase)	<sup>1</sup> DRD	22.7 kg	Single-stage high purity regulator, refer to page 140  High purity lecture bottle regulator, refer to page 146
	<sup>1</sup> DRE	13.6 kg	
	LB	227 g	

### TECHNICAL INFORMATION

Molecular Weight.....	102	Dot Name.....	Tetrafluoroethane
Specific Volume.....	3.166CF/lb	UN No.....	UN1078
Fire Potential.....	Non-flammable	Dot Class.....	2.2
TLV-TWA.....	None established	Dot Label.....	Non-flammable Gas
CGA Valve.....	.660 / 1/4 inch flare	Cas Registry.....	811-97-2
LB.....	180	Cylinder Pressure @ 70°F.....	110 psig

<sup>1</sup>Size DRD & DRE are non-returnable cylinder with 1/4 inch flare outlet.