

PURE GASES

OXYGEN O₂

General Characteristics: A colorless, non-flammable and odorless gas. Sustains combustion of many materials which normally cannot burn in air.

Health Hazards: Increases the combustion rate when compared to air.

GAS GRADE/PURITY SPEC.	CYLINDER SIZE	CONTENTS	EQUIPMENT RECOMMENDATIONS
ULTRA HIGH PURITY Min. Purity 99.99% H ₂ O < 2 ppm, Ar < 35 ppm, THC < 0.5 ppm, N ₂ < 10 ppm, CO + CO ₂ < 1 ppm	051 HP	10.7 m ³	Double-stage high purity regulator, refer to page 134 High purity lecture bottle regulator, refer to page 146
	049	7.1 m ³	
	044	6.4 m ³	
	016	2.3 m ³	
	010	1.5 m ³	
HIGH PURITY Min. Purity 99.7% H ₂ O < 5 ppm, CO ₂ < 2 ppm, CO < 1 ppm, Ar + N ₂ < 0.3%	051 HP	10.7 m ³	
	049	7.1 m ³	
	010	1.5 m ³	
INDUSTRIAL Min. Purity 99.5% H ₂ O < 200 ppm, Ar + N ₂ < 0.5%	049	7.1 m ³	
	010	1.5 m ³	
MEDICAL Min. Purity 99.9%	M-E	680 L	Medical oxygen regulator, please ask our representative.
	M-D	425 L	
	M-9	255 L	
	M-6	170 L	

TECHNICAL INFORMATION

Molecular Weight.....	32.00	Dot Name.....	Oxygen
Specific Volume.....	12.1CF/lb	UN No.....	UN1072
Fire Potential.....	Strong Oxidizer	Dot Class.....	2.2
TLV-TWA.....	None established	Dot Label.....	Oxidizer
CGA Valve.....	540	Gas Registry.....	7782-44-7
LB.....	180		

PERFLUOROPROPANE C₃F₈ (Octafluoropropane)

- See Electronic Gas Section page 88 -