



Gases We Detect

GAS	RANGE	PUREAIRE PRODUCT
Acetone (C ₃ H ₆ O)	0-100% LEL, 0-200ppm	99214 , 98402, 98006, 98218
Acetonitrile (C ₂ H ₃ N)	0-100% LEL, 0-10ppm	98212, 99245
Arsine (AsH ₃)	0-999ppb, 0-1ppm	99030 , 99031 , 98132, 98132-R
Acetic Acid (CH ₃ COOH)	30ppm, 100ppm, 0-100% LEL	99030 , 99031 , 98129, 98219
Acetylene (C ₂ H ₂)	0-100% LEL	98009 , 98216, 98009-R
Acetaldehyde (CH ₃ CHO)	0-30ppm	98403
Ammonia (NH ₃)	0-75ppm, 0-100ppm, 0-200ppm, 0-300ppm, 0-1000ppm	99030 , 99031 , 98114, 98114-R
Boron Trichloride (BCl ₃)	0-15 ppm	99030 , 99031
Boron Trifluoride (BF ₃)	9 ppm	99030 , 99031
Bromine (Br ₂)	0-1 ppm, 0-10ppm	99031
Butane (C ₄ H ₁₀)	0-100% LEL	99214 , 98004
Butyl Acetate (C ₆ H ₁₂ O ₂)	0-100% LEL	98220
Carbon Dioxide (CO ₂)	0-10,000ppm, 0-50,000ppm, 0-5%	99174 , 99039 , 99143 , 99122 , 99139 , 99176 , 99188 , 99144 , 99150 , 99191 , 99224, 99230 , 98303
Carbon Monoxide (CO)	0-100ppm, 0-1000ppm, 0-2000ppm (H ₂ Comp), 0-5000ppm	98101 , 98101-R, 98115, 98118, 98125(H ₂ Comp)
Carbonyl Sulfide (COS)	0-50ppm	99156
Chlorine (Cl ₂)	1ppm, 3 ppm, 10ppm, 0-20ppm, 50ppm, 200ppm	99030 , 99031 , 98109 , 98109-R
Chlorine Dioxide (ClO ₂)	0-1ppm, 0-3ppm, 0-5ppm	99030 , 99031 , 98120, 98131
Cyclohexane (C ₆ H ₁₂)	0-100% LEL	98211
Diborane (B ₂ H ₆)	0-1ppm, 0-999ppb	99030 , 99031
Dichloromethane (CH ₂ Cl ₂)		Contact PureAir
Dichlorosilane (DCS)	15ppm	99030 , 99031
Diethyl Ether (C ₂ H ₅) ₂ O	0-100% LEL	98209
Dimethylformamide (C ₃ H ₇ NO)		Contact PureAir
Dimethylamine (CH ₃) ₂ NH	0-30 ppm	99030 , 99031
Disilane (Si ₂ H ₆)	0-15 ppm	99030 , 99031
Dodecane (C ₁₂ H ₂₆)	0-100% LEL	98206
Ethane (C ₂ H ₆)	0-100% LEL	99214



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GAS	RANGE	PUREAIRE PRODUCT
Ethanol (C ₂ H ₆ O)	0-100% LEL	98201
Ethyl Acetate (C ₄ H ₈ O ₂)	0-100% LEL	98208
Ethyl Alcohol (C ₂ H ₅ OH)		Contact PureAir
Ethylene (C ₂ H ₄)	0-100% LEL	99214 , 98207
Ethylene Oxide (EtO)	0-100ppm	98107
Fluorine (F ₂)	0-1ppm, 0-3ppm, 0-10ppm, 0-30ppm, 0-60ppm	99030 , 99031 , 98119
Formaldehyde (CH ₂ O)	0-100ppm	98126
Formic Acid (CH ₂ O ₂)	0-15ppm, 0-50ppm	99030 , 99031
Germane (GeH ₄)	0-0.6ppm	STX-PA – Contact PureAir
Gasoline		Contact PureAir
Heptane (C ₇ H ₁₆)		Contact PureAir
Hexane (C ₆ H ₁₄)	0-100% LEL	98008 , 98217
Hydrazine (N ₂ H ₄)	0-1ppm, 0-2ppm	99030 , 99031 , 98127
Hydrochloric Acid (HCl)(aq)	0-15 ppm, 0-20 ppm, 0-50 ppm	99030 , 99031
Hydrogen Fluoride (HF)	0-9 ppm, 0-10ppm, 0-30 ppm	99030 , 99031 , 98122
Hydrogen (H ₂)	0-1%, 0-4%, 0-100% LEL, 0-1000ppm, 0-20,000ppm	99030 , 99031 , 98001 , 98001-R, 98110 , 99214 , 98124
Hydrogen Bromide (HBr)	0-9ppm, 0-15ppm, 0-20ppm	99030 , 99031
Hydrogen Chloride (HCl)	0-15ppm, 0-20ppm, 0-100ppm, 0-200ppm	99030 , 99031 , 98113
Hydrogen Cyanide (HCN)	0-3ppm, 0-30ppm, 100ppm	99030 , 99031 , 98105
Hydrogen Peroxide (H ₂ O ₂)	0-9ppm, 0-200ppm	99030 , 99031 , 98108
Hydrogen Selenide (H ₂ Se)	0-1ppm	99030 , 99031
Hydrogen Sulfide (H ₂ S)	0-10ppm, 0-100ppm, 0-30ppm, 0-200ppm, 0-500ppm	99030 , 99031 , 98103 , 98103-R, 98103-R-10, 98121
Iodine (I ₂)	0-1 ppm, 0-3 ppm	99030 , 99031
Isobutyl		Contact PureAir
Isopropyl Alcohol (IPA) Isopropanol	0-1000ppm, 0-100% LEL	98102, 99214 , 98215
Kerosene		Contact PureAir
Methane (CH ₄)	0-100% LEL	99214 , 98002, 98002-R, 98204
Methanol (CH ₃ OH)	0-100% LEL	98214
Methyl Bromide (CH ₃ Br)	0-10ppm, 0-50ppm	99067, 99072



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GAS	RANGE	PUREAIRE PRODUCT
Monomethylhydrazine (MMH)	0-5ppm	99031
Nitrate (NO ₃ -)	0-9ppm, 0-15ppm	99030 , 99031
Nitric Acid (HNO ₃)	0-5ppm, 0-6ppm	99030
Nitric Oxide (NO)	0-250ppm	98112 , 98112-R
Nitrous Oxide (N ₂ O)	0-1000ppm	98304, 98304-R
Nitrogen Dioxide (NO ₂)	0-2ppm, 0-9ppm, 0-15ppm, 20ppm, 0-1000ppm	99030 , 99031 , 98111, 98111-R, 98111-1000, 98111-1000-R
Oxygen (O ₂)	0-10ppb/ppm, 0-100ppm, 0-1000ppm, 0-25%, 0-30%, 0-95%	99097 , 99016 , 99040 , 99035 , 99028 , 99029 , 99039 , 99132 , 99143 , 99118 , 99133 , 99134 , 99136 , 99188 , 99197 , 99201 , 99017, 99018, 99019 , 99033 , 99048 , 99059 , 99060 , 99062, 99066, 99082, 99087, 99092 , 99095, 99102, 99109, 99111, 99116 , 99117 , 99119 , 99120, 99121 , 99122 , 99128 , 99129 , 99130 , 99139 , 99141 , 99144 , 99145 , 99146 , 99148, 99149 , 99150 , 99151, 99152, 99153, 99157, 99158, 99166 , 99167, 99171 , 99176 , 99178 , 99180, 99182, 99190, 99200, 99204, 99218, 99230
Ozone (O ₃)	0-0.3 ppm, 0-1 ppm, 0-300 ppm	99030 , 99031
Phosphine (PH ₃)	0.03ppm, 0-1ppm, 0-10ppm, 0-999ppb, 0-2000ppm	99030 , 99031 , 98104, 98116
Phosphoryl Chloride (POCl ₃)	0-15 ppm	99030 , 99031
Propane (C ₃ H ₈)	0-100% LEL	99214 , 98003, 98203, 98003-R
Silane (SiH ₄)	0-15 ppm, 0-200ppm	99030 , 99031 , 98123, 98123-R
Sulfur Dioxide (SO ₂)	0-15ppm, 0-20ppm, 0-100ppm, 0-1000ppb, 0-2000ppm	99030 , 99031 , 98106, 98117, 98130
Sulfur Hexafluoride (SF ₆)		98301
Tert Butanol (C ₄ H ₁₀ O)		Contact PureAire
Tetrahydrofuran (C ₄ H ₈ O)	0-100% LEL	98213
Toluene (C ₇ H ₈)	0-100% LEL, 0-200ppm	99214 , 98007, 98128, 98210
Trichlorosilane (SiHCl ₃)	0-15 ppm	99030 , 99031
Triethylamine (C ₆ H ₁₅ N)	0-30 ppm	99031
Xylene (C ₈ H ₁₀)	0-100% LEL	98202



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Detectable Refrigerants - EPU-NDIR 983##		
SF6	0-1000ppm, 0-2000ppm	98301
R-1233zd	0-5000ppm	Contact PureAir
R-1234yf	0-6.2%vol, 0-2000ppm	Contact PureAir
R-1234ze	0-6.5%vol, 0-2000ppm	Contact PureAir
	0-2000ppm	Contact PureAir
R-134a	0-2000ppm	98302
R-143a	0-2000ppm	Contact PureAir
R-22	0-2000ppm	Contact PureAir
R-227ea	0-2000ppm	Contact PureAir
R-32	0-14%vol, 0-2000ppm	Contact PureAir
R-404a	0-2000ppm	98305
R-407a	0-2000ppm	Contact PureAir
R-407f	0-2000ppm	Contact PureAir
Ethylene	0-2.3%vol	Contact PureAir
R-410	0-2000ppm	Contact PureAir
R-417a	0-2000ppm	Contact PureAir
R-422d	0-2000ppm	Contact PureAir
R-448a	0-2000ppm	Contact PureAir
R-449a	0-2000ppm	Contact PureAir
R-450a	0-2000ppm	Contact PureAir
R-452a	0-2000ppm	Contact PureAir
R-452b	0-11.9%, 0-2000ppm	Contact PureAir
R-454a	0-6.3%vol	Contact PureAir
R-454b	0-7.7%vol, 0-2000ppm	Contact PureAir
R-454c	0-6.2%vol	Contact PureAir
R-455a	0-11.8%vol	Contact PureAir
R-507	0-2000ppm	Contact PureAir
R-513a	0-2000ppm	Contact PureAir

VOC Gases	
Aldehydes, ketones & related:	Acetaldehyde, acetone, acetophenone, acrolein, mesityl oxide, methyl ethyl ketone (MEK), methyl isobutyl ketone, 2-pentanone, propionaldehyde (propanal), isophorone
Organic acids, esters & acrylates	Acetic acid, methyl acetate, ethyl acetate, n-butyl acetate, isobutyl acetate, isopropyl acetate, methyl acrylate, methyl methacrylate, vinyl acetate
Alcohols & sulfur-containing organics	Allyl alcohol, ethanethiol / ethyl mercaptan, methyl mercaptan (methanethiol), carbon disulfide, thiophene
Aromatics & polyaromatics	Benzene, toluene, ethylbenzene, styrene, cumene (isopropyl benzene), m-xylene, o-xylene, p-xylene, Naphthalene
Alkanes & alkenes	Heptane, isopentane, cyclohexane, ethylene, propylene, isoprene (2-methyl-1,3-butadiene)
Ethers, cyclic ethers & acetals	Ethyl ether (diethyl ether), isopropyl ether, tetrahydrofuran (THF), dimethoxymethane (methylal)
Epoxides & related	Ethylene oxide, propylene oxide, epichlorohydrin
Halogenated organics	Chlorobenzene, 1,2-dichloroethane, 1,2-dibromoethane, bromoform, vinyl bromide
Nitrogen-containing organics	Pyridine, 2-picoline, 3-picoline
Inorganic / highly toxic gases with published RFs	Ammonia, arsine, hydrazine, hydrogen sulfide, nitric oxide (NO), nitrogen dioxide (NO ₂), phosphine

**** Please contact PureAire for any gases or ranges not listed here ****