



Pure Gases in Matheson Lecture Bottles

The Matheson Lecture Bottle is the original transportable cylinder. Currently, Matheson provides many of our Pure Gases in lecture bottles.

The lecture bottle can hold just about any gas that is available including hydrocarbons, free & inert gases, chemical and corrosive gases.

Gas	Grade	Item Code	Contents		Cylinder Pressure psig @70°F	Valve Outlet CGA No.
			US	Metric		
Air	Ultra Zero	G2001375	2 ft ³	56 L	1,775	170
Ammonia	Anhydrous	G1501275	0.375 lb	170 gm	114	170
Argon	Matheson	G1811181	1.9 ft ³	54 L	1,800	580
	Ultra High Purity	G1901175	1.8 ft ³	52 L	1,775	170
Boron Trichloride	CP	G1502186	1 lb	454 gm	4	180
Boron Trifluoride	CP	G1503175	0.375 lb	170 gm	1,600	180
1,3 Butadiene	Instrument	G2429175	0.375 lb	170 gm	21	170
	CP	G1311175	0.375 lb	170 gm	21	170
n-Butane	Ultra High Purity	G1905075	0.375 lb	170 gm	17	170
	Instrument	G2423175	0.375 lb	170 gm	17	170
	CP	G1317275	0.375 lb	170 gm	17	170
1-Butene	CP	G1323175	0.375 lb	170 gm	23	170
2-Butene (<i>cis & trans</i>)	Technical	G1338175	0.375 lb	170 gm	14	170
2-Butene (<i>cis</i>)	Technical	G1328175	0.375 lb	170 gm	13	170
2-Butene (<i>trans</i>)	Technical	G1333175	0.375 lb	170 gm	15	170
Carbon Dioxide	CP	G1123175	0.5 lb	227 gm	838	170
	Anaerobe Purity	G1123275	0.5 lb	227 gm	838	170
Carbon Monoxide	Ultra High Purity	G1918775	1.6 ft ³	45 L	1,500	170
	CP	G1132275	1.6 ft ³	45 L	1,500	170
	Technical	G1132175	1.6 ft ³	45 L	1,500	170
Chlorine	Ultra High Purity	G1919175	1 lb	454 gm	85	180
Dimethylamine	CP	G1522175	0.375 lb	170 gm	26	180
Dimethylether	CP	G1410175	0.375 lb	170 gm	62	170
Ethane	Research	G2243181	0.33 lb	150 gm	543	350
	Matheson	G1827181	0.33 lb	150 gm	543	350
	Ultra High Purity	G1920175	0.25 lb	113 gm	544	170
	CP	G1353275	0.25 lb	113 gm	544	170
	Technical	G1353175	0.25 lb	113 gm	544	170
Ethylene	Research	G2250181	0.31 lb	140 gm	1,200	350
	Matheson	G1827182	0.31 lb	140 gm	1,200	350
	Ultra High Purity	G1920875	0.25 lb	113 gm	1,200	170
	CP	G1358275	0.25 lb	113 gm	1,200	170
	Technical	G1358175	0.25 lb	113 gm	1,200	170
	Polymer	G1358475	0.25 lb	113 gm	1,200	170
Helium	Ultra High Purity	G1929175	1.8 ft ³	52 L	1,775	170
Hexafluoropropylene	CP	G1466675	1 lb	454 gm	85	170
Hydrogen	Ultra High Purity	G1939175	1.8 ft ³	52 L	1,775	170
Hydrogen Bromide	CP	G1528175	1 lb	454 gm	320	180
Hydrogen Chloride	Technical	G1531175	0.5 lb	227 gm	613	180
Hydrogen Fluoride	Ultra High Purity	G1534175	0.5 lb	227 gm	1	180
	CP	G1534375	0.5 lb	227 gm	1	180
Hydrogen Sulfide	CP	G1540275	0.5 lb	227 gm	252	180
	Technical	G1540175	0.5 lb	227 gm	252	180

**Complete Gas Listing****170 Pure Gases in Matheson Lecture Bottles (continued)**

Gas	Grade	Item Code	Contents		Cylinder Pressure psig @70°F	Valve Outlet CGA No.
			US	Metric		
Isobutane	Research	G2257181	0.44 lb	200 gm	31	510
	Ultra High Purity	G1931175	0.375 lb	170 gm	31	170
	Instrument	G2457175	0.375 lb	170 gm	31	170
	CP	G1363175	0.375 lb	170 gm	31	170
Isobutylene	CP	G1365175	0.375 lb	170 gm	24	170
Methane	Research	G2271181	1.9 ft ³	54 L	1,800	350
	Matheson	G1861181	1.9 ft ³	54 L	1,800	350
	Ultra High Purity	G1949175	1.8 ft ³	52 L	1,775	170
Methyl Chloride	CP	G1471175	0.5 lb	227 gm	73	170
Methyl Mercaptan	CP	G1546175	0.5 lb	227 gm	15	180
Monomethylamine	CP	G1552175	0.375 lb	170 gm	29	180
Neon	Ultra High Purity	G1159275	0.88 ft ³	25 L	825	180
Nitrogen	Matheson	G1881181	1.9 ft ³	54 L	1,800	580
	Ultra High Purity	G1959175	1.8 ft ³	52 L	1,775	170
Nitrous Oxide	Ultra High Purity	G1969175	0.5 lb	227 gm	745	170
	CP	G1570175	0.5 lb	227 gm	745	170
Oxygen	Matheson	G1885181	1.7 ft ³	47 L	1,600	540
	Ultra High Purity	G1979175	1.7 ft ³	47 L	1,600	170
Propane	Research	G2285181	0.38 lb	175 gm	109	510
	Ultra High Purity	G1980575	0.313 lb	142 gm	110	170
	Instrument	G2471175	0.313 lb	142 gm	110	170
Propylene	Matheson	G1887181	0.38 lb	175 gm	136	510
	Ultra High Purity	G1981375	0.313 lb	142 gm	133	170
Sulfur Dioxide	Anhydrous	G1585275	1 lb	454 gm	34	180
Sulfur Hexafluoride	Instrument	G2485175	0.5 lb	227 gm	320	170
	CP	G1186175	0.5 lb	227 gm	320	170
Sulfur Tetrafluoride	CP	G1588275	1 lb	454 gm	140	180
Trimethylamine	CP	G1594175	0.375 lb	170 gm	13.3	180
Xenon	Research	G2191175	0.88 ft ³	25 L	600	580

⚠ WARNING: This product can expose you to chemicals including 1,3-Butadiene, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

⚠ WARNING: This product can expose you to chemicals including Carbon Monoxide, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

⚠ WARNING: This product can expose you to chemicals including Methyl Chloride, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

⚠ WARNING: This product can expose you to chemicals including Nitrous Oxide, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

⚠ WARNING: This product can expose you to chemicals including Sulfur Dioxide, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.