

**Specialty Gases & Equipment**



# **2022 Price List**

**800.657.6672**  
[www.norlab-gas.com](http://www.norlab-gas.com)

**ISO 9001: 2008 CERTIFIED**  
A Division of Norco, Inc.

## Non-Refillable Steel Cylinders

### The Convenient and Cost-Effective Way to Handle Calibration Gas Mixtures

These smaller, convenient and portable steel cylinders, recommended for non-reactive gas mixtures and pure gases such as argon, helium and nitrogen, don't require a deposit or have a monthly rental charge. With a wide range of capacities for any field calibration requirement, they eliminate over-purchasing when small quantities are needed. They are easy to handle, less expensive to ship and occupy very little space.



## Portable Reactive Gas Cylinders

### Mixture Stability in a Lightweight, Portable Package

We recommend these compact, lightweight aluminum cylinders for gas mixtures that are not stable in steel cylinders. Typical gas blends for these cylinders include ammonia, chlorine, hydrogen sulfide, nitric oxide, nitrogen dioxide and sulfur dioxide. They are available in capacities from 11 liters (0.4 cu. ft.) to 116 liters (4.0 cu. ft.) and can be transported in a Norlab carrying case or bag.



\*\*\* This price list indicates gases in steel cylinders **BLUE** and gases in aluminum cylinders **RED**

## AIR -1002

nonreactive gas-available in steel disposable cylinders **36 month shelf life**

**NOTE: Please enter cylinder size identifier letter (P, H, J, M, E) in front of part# when ordering**

PART #	DESCRIPTION	17 LITER(P)	34 LITER(H)	103 LITER(J)	221 LITER(M)	550 LITER(E)
( )1002	ZERO AIR	\$60.00	\$75.00	\$140.00	\$160.00	\$200.00

Notes: the 17 and 34 LT cylinder are steel non-refillable cylinders with CGA 600

103 LT steel non-refillable cylinder with CGA C-10

221 LT steel non-refillable cylinder with CGA 165 (260 PSIG)

550 LT steel non-refillable cylinder-CGA varies with gas and gas concentration

# AMMONIA 1005

reactive gas - available in aluminum cylinders

12 Month Shelf Life

**NOTE: Please enter cylinder identifier letter (F, G, Z, U) in front of part# when ordering**

PART #	DESCRIPTION	34 LITER (F)	58 LITER (G)	58 LITER (Z)	116 LITER (U)
( )100525PN	25 PPM BAL N2	\$255.00	\$370.00	\$370.00	\$445.00
100525PA	25 PPM BAL AIR	\$255.00	\$370.00	\$370.00	\$445.00
100550PN	50 PPM BAL N2	\$255.00	\$370.00	\$370.00	\$445.00
100550PA	50 PPM BAL AIR	\$255.00	\$370.00	\$370.00	\$445.00
1005100PN	100 PPM BAL N2	\$255.00	\$370.00	\$370.00	\$445.00
1005100PA	100 PPM BAL AIR	\$255.00	\$370.00	\$370.00	\$445.00
1005200PN	200 PPM BAL N2	\$255.00	\$370.00	\$370.00	\$445.00
1005250PA	250 PPM BAL AIR	\$255.00	\$370.00	\$370.00	\$445.00
1005300PA	300 PPM BAL AIR	\$255.00	\$370.00	\$370.00	\$445.00
10051000PA	1000 PPM BAL AIR	\$255.00	\$370.00	\$370.00	\$445.00
10055000PA	5000 PPM BAL AIR	\$255.00	\$370.00	\$370.00	\$445.00
10051VA	1% BAL AIR	\$255.00	\$370.00	\$370.00	\$445.00
10052VA	2% BAL AIR	\$255.00	\$370.00	\$370.00	\$445.00
10054VA	4% BAL AIR	\$255.00	\$370.00	\$370.00	\$445.00

Notes: Aluminum non-refillable cylinders with CGA C-10 fitting

\*\*\*\*other concentrations available upon request\*\*\*\*\*

# BENZENE - 1114

reactive gas - available in aluminum cylinders

24 Month Shelf Life

**NOTE:** Please enter cylinder identifier letter (F, G, Z, U) in front of part# when ordering

PART #	DESCRIPTION	34 LITER (F)	58 LITER (G)	58 LITER(Z)	116 LITER(U)
( )11145PA	5 PPM, BAL AIR	\$135.00	\$215.00	\$215.00	\$275.00
( ) 111450PA	50 PPM BAL AIR	\$135.00	\$215.00	\$215.00	\$275.00
( )111410PM2	4 part mix call for info	\$135.00	\$215.00	\$215.00	\$275.00

Notes: Aluminum non-refillable cylinders with CGA C-10 fitting

\*\*\*\*other concentrations available upon request\*\*\*\*

# ISO-BUTANE 1969

nonreactive gas-available in steel disposable cylinders

36 Month Shelf Life

**NOTE: Please enter cylinder size identifier letter (P, H, J, M, E) in front of part# when ordering**

PART #	DESCRIPTION	17 LITER(P)	34 LITER(H)	103 LITER(J)	221 LITER(M)	550 LITER(E)
( )196910PA	10 PPM,BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( ) 196950LA	50% LEL (0.90% BY VOL), BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )196910VN*	10% BY VOL, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00

\*\*flammable mix

Butane becomes flammable at 5.6% in N2. It is only available in an air balance up to 0.9% (50% LEL)

Notes: the 17 and 34 LT cylinder are steel non-refillable cylinders with CGA 600  
the 103 LT are steel non-refillable cylinders with CGA C-10  
221 LT steel non-refillable cylinder with CGA 165 (260 PSI)  
550 LT steel non-refillable cylinder-CGA varies with gas and gas concentration

\*\*\*\*other concentrations available upon request\*\*\*\*

# BUTANE 1011

nonreactive gas-available in steel disposable cylinders

36 Month Shelf Life

NOTE: Please enter cylinder size identifier letter (P, H, J, M, E) in front of part# when ordering

PART #	DESCRIPTION	17 LITER(P)	34 LITER(H)	103 LITER(J)	221 LITER(M)	550 LITER(E)
( )101150PA	50 PPM BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )101150LA	50% LEL BAL AIR (0.9% BY VOL)	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )10118VN*	8% BY VOLUME, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )10115PM1	6 part mix -call for details	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )1011100PM1	6 part mix -call for details	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )1011100PM2	9 part mix -call for details	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )10111000PM1	6 part mix -call for details	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )10111000PM2	6 part mix -call for details	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )10118VM1*	8% BUTANE, 13% CO2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00

Butane becomes flammable at 5.6% in N2. It is only available in an air balance up to 0.9% (50% LEL)

\*\*flammable mix

Notes: the 17 and 34 LT cylinder are steel non-refillable cylinders with CGA 600  
the 103 LT are steel non-refillable cylinders with CGA C-10  
221 LT steel non-refillable cylinder with CGA 165 (260 PSI)  
550 LT steel non-refillable cylinder-CGA varies with gas and gas concentration

\*\*\*\*other concentrations available upon request\*\*\*\*\*

# CARBON DIOXIDE 1013

nonreactive gas-available in steel disposable cylinders **36 Month Shelf Life**

**NOTE: Please enter cylinder size identifier letter (P, H, J, M, E) in front of part# when ordering**

PART #	DESCRIPTION	17 LITER(P)	34 LITER(H)	103 LITER(J)	221 LITER(M)	550 LITER(E)
( )101350PN	50 PPM BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )1013100PN	100 PPM BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )1013100PA	100 PPM BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )1013200PN	200 PPM BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )1013300PA	300 PPM BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )1013800PN	800 PPM BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )10131000PN	1000 PPM BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )10131000PA	1000 PPM BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )10132000PN	2000 PPM BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )10135000PN	5000 PPM BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )10135000PA	5000 PPM BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )10135000PM2	5000 PPM CO2, 19.5% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )10131VN	1% BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )10132.5VN	2.5% BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )10133VA	3% BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )10133VN	3% BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )10135VN	5% BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )10135VA	5% BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )101350VN	50% BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )101375VA	75% BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00

Notes: the 17 and 34 LT cylinder are steel non-refillable cylinders with CGA 600  
 103 LT steel non-refillable cylinder with CGA C-10  
 221 LT steel non-refillable cylinder with CGA 165 (260 PSIG)  
 550 LT steel non-refillable cylinder-CGA varies with gas and gas concentration

\*\*\*\*other concentrations available upon request\*\*\*\*



# CARBON MONOXIDE - 1016

nonreactive gas-available in steel disposable cylinders

36 Month Shelf Life

**NOTE: Please enter cylinder size identifier letter (P, H, J, M, E) in front of part# when ordering**

PART #	DESCRIPTION	17 LITER(P)	34 LITER(H)	103 LITER(J)	221 LITER(M)	550 LITER(E)
( )1016.5PA	0.5 PPM, BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )101610PN	10 PPM, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )101610PA	10 PPM, BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )101620PA	20 PPM, BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )101625PA	25 PPM, BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )101635PA	35 PPM, BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )101650PA	50 PPM, BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )101650PN	50 PPM, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )101660PA	60 PPM, BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )1016100PA	100 PPM, BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )1016100PN	100 PPM, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )1016200PA	200 PPM, BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )1016200PN	200 PPM, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )1016250PA	250 PPM, BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )1016300PA	300 PPM, BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )1016300PN	300 PPM, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )1016400PA	400 PPM, BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )1016400PN	400 PPM, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )1016500PA	500 PPM, BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )1016500PN	500 PPM, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )10161000PA	1000 PPM, BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )10161000PN	1000 PPM, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )10162000PA	2000 PPM, BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )10163000PA	3000 PPM, BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )10165000PA	5000 PPM, BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )101620VN*	20%, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )101610PM4	10 PPM CO, 1000 PPM CO2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )101635PM1	35 PPM CO, 1000 PPM CO2, BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )101635PM2	35 PPM CO, 1000 PPM CO2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )101650PM1	50 PPM CO, 18% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )101670PM1	70 PPM CO, 1000 PPM CO2, BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00

# CARBON MONOXIDE - 1016

nonreactive gas-available in steel disposable cylinders

36 Month Shelf Life

**NOTE: Please enter cylinder size identifier letter (P, H, J, M, E) in front of part# when ordering**

PART #	DESCRIPTION	17 LITER(P)	34 LITER(H)	103 LITER(J)	221 LITER(M)	550 LITER(E)
( )1016200PM4	200 PPM CO, 10% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )1016500PM1	500 PPM CO, 5% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )1016500PM3	500 PPM CO, 1% CO2, BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )10164500PM2	4500 PPM CO, 4500 PPM H2, 2% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )1016800PM1	800 PPM CO, 800 PPM H2, 2% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )1016800PM2	800 PPM CO, 800 PPM H2, 1% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )1016800PM4	800 PPM CO, 800 PPM CO2, 2% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )1016900PM1	900 PPM PPM CO, 9% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )10161000PM4	1000 PPM CO, 2.1% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )10163.5VM1	3.5% CO, 14% CO2, 2000 PPM PROPANE, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00

Carbon Monoxide becomes flammable at 20% in N2. It is only available in an air balance up to 6.25% (50% LEL)

**\*\*flammable mix**

Notes: the 17 and 34 LT cylinder are steel non-refillable cylinders with CGA 600  
the 103 LT are steel non-refillable cylinders with CGA C-10  
221 LT steel non-refillable cylinder with CGA 165 (260 PSIG)  
550 LT steel non-refillable cylinder-CGA varies with gas and gas concentration

\*\*\*\*other concentrations available upon request\*\*\*\*

# CHLORINE - 1017

reactive gas - available in aluminum cylinders **6 Month Shelf Life**

**NOTE: Please enter cylinder identifier letter (ZB) in front of part# when ordering**

PART #	DESCRIPTION	58 LITER (ZB)
( )10172PN	2 PPM, BAL N2	\$370.00
( )10173PN	3 PPM, BAL N2	\$370.00
( )10175PN	5 PPM, BAL N2	\$370.00
( )101710PN	10 PPM, BAL N2	\$370.00
( )101720PN	20 PPM, BAL N2	\$370.00

Notes: Aluminum non-refillable cylinders with CGA C-10 fitting

\*\*\*\*other concentrations available upon request\*\*\*\*

# ETHANE 1035

nonreactive gas-available in steel disposable cylinders **36 Month Shelf Life**

**NOTE: Please enter cylinder size identifier letter (P, H, J, M, E) in front of part# when ordering**

PART #	DESCRIPTION	17 LITER(P)	34 LITER(H)	103 LITER(J)	221 LITER(M)	550 LITER(E)
( )103540LA	1.2% (40% LEL), BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )103550LA	1.5% (50% LEL), BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )10351VM1	1% ETHANE, 1% METHANE, 1% ETHYLENE, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00

Notes: the 17 and 34 LT cylinder are steel non-refillable cylinders with CGA 600  
 103 LT steel non-refillable cylinder with CGA C-10  
 221 LT steel non-refillable cylinder with CGA 165 (260 PSIG)  
 550 LT steel non-refillable cylinder-CGA varies with gas and gas concentration

\*\*\*\*other concentrations available upon request\*\*\*\*

# ETHYLENE - 1962

nonreactive gas-available in steel disposable cylinders

36 Month Shelf Life

NOTE: Please enter cylinder size identifier letter (P, H, J, M, E) in front of part# when ordering

PART #	DESCRIPTION	17 LITER(P)	34 LITER(H)	103 LITER(J)	221 LITER(M)	550 LITER(E)
( )196227PA	27 PPM, BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )1962100PA	100 PPM, BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )19621.15VA	1.15%, BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )196250LA	1.35% (50% LEL), BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )196270VN*	70%, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00

\*Ethylene becomes flammable at 6% in N2. It is only available in an air balance up to 1.35% (50% LEL)

\*flammable mix

Notes: the 17 and 34 LT cylinder are steel non-refillable cylinders with CGA 600  
the 103 LT are steel non-refillable cylinders with CGA C-10  
221 LT steel non-refillable cylinder with CGA 165 (260 PSIG)  
550 LT steel non-refillable cylinder-CGA varies with gas and gas concentration

\*\*\*\*other concentrations available upon request\*\*\*\*

# ETHYLENE OXIDE - 1040

reactive gas - available in aluminum cylinders **12 Month Shelf Life**

**NOTE: Please enter cylinder identifier letter (F, G, Z, U) in front of part# when ordering**

PART #	DESCRIPTION	34 LITER (F)	58 LT (G)	58 LITER(Z)	116 LITER(U)
( )10405PN	5 PPM, BAL N2	\$255.00	\$385.00	\$385.00	\$480.00
( )104010PN	10 PPM, BAL N2	\$255.00	\$385.00	\$385.00	\$480.00

Notes: Aluminum non-refillable cylinders with CGA C-10 fitting

\*\*\*\*other concentrations available upon request\*\*\*\*

# N-HEXANE - 1208

nonreactive gas-available in steel disposable cylinders

36 Month Shelf Life

**NOTE: Please enter cylinder size identifier letter (P, H, J, M, E) in front of part# when ordering**

PART #	DESCRIPTION	17 LITER(P)	34 LITER(H)	103 LITER(J)	221 LITER(M)	550 LITER(E)
( )120850PN	50 PPM, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )120850PA	50 PPM, BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )1208100PN	100 PPM, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )1208100PA	100 PPM, BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )1208500PA	500 PPM, BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )120820LA	0.24% (20%LEL), BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )120825LA	0.30% (25% LEL), BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )120840LA	0.48% (40% LEL), BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )120850LA	0.60% (50% LEL), BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )1208.6VN	0.60%, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )120825LM1	0.30% HEXANE, 17% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )120830LM1	0.36%, 15% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00

Notes: the 17 and 34 LT cylinder are steel non-refillable cylinders with CGA 600  
 103 LT steel non-refillable cylinder with CGA C-10  
 221 LT steel non-refillable cylinder with CGA 165 (260 PSIG)  
 550 LT steel non-refillable cylinder-CGA varies with gas and gas concentration

\*\*\*\*other concentrations available upon request\*\*\*\*

# HYDROGEN - 1049

nonreactive gas-available in steel disposable cylinders **36 Month Shelf Life**

**NOTE: Please enter cylinder size identifier letter (P, H, J, M, E) in front of part# when ordering**

PART #	DESCRIPTION	17 LITER(P)	34 LITER(H)	103 LITER(J)	221 LITER(M)	550 LITER(E)
( ) 1049*	99.99% PURE	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( ) 1049100PN	100 PPM, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( ) 1049100PA	100 PPM, BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( ) 1049500PA	500 PPM, BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( ) 10491000PA	1000 PPM, BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( ) 10492000PN	2000 PPM, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( ) 10492000PA	2000 PPM, BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( ) 104910LA	0.40% (10% LEL), BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( ) 104920LA	0.80% (20% LEL), BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( ) 104925LA	1.00% (25% LEL), BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( ) 104950LA	2.00% (50% LEL) BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( ) 10491VN	1%, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( ) 104930VN*	30% BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( ) 1049800PM1	800 PPM H2, 2% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( ) 10495000PM1	5000 PPM H2, 19% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00

HYDROGEN BECOMES FLAMMABLE AT 5.7% IN NITROGEN, IT IS AVAILABLE IN AIR UP TO 2% (50% LEL)

\*flammable mix

Notes: the 17 and 34 LT cylinder are steel non-refillable cylinders with CGA 600  
the 103 LT are steel non-refillable cylinders with CGA C-10  
221 LT steel non-refillable cylinder with CGA 165 (260 PSIG)  
550 LT steel non-refillable cylinder-CGA varies with gas and gas concentraion

\*\*\*\*other concentrations available upon request\*\*\*\*



# HYDROGEN CHLORIDE-1050

reactive gas - available in aluminum cylinders **6 Month Shelf Life**

**NOTE: Please enter cylinder identifier letter (F, G, Z,) in front of part# when ordering**

PART #	DESCRIPTION	34 LITER (F)	58 LT (G)	58 LITER(Z)
( )10505PN	5 PPM, BAL N2	\$285.00	\$395.00	\$395.00
( )105010PN	10 PPM, BAL N2	\$285.00	\$395.00	\$395.00

Notes: Aluminum non-refillable cylinders with CGA C-10 fitting

\*\*\*\*other concentrations available upon request\*\*\*\*

# HYDROGEN CYANIDE-1051

reactive gas - available in aluminum cylinders **12 Month Shelf Life**

**NOTE: Please enter cylinder identifier letter (F, G, Z,) in front of part# when ordering**

PART #	DESCRIPTION	34 LITER (F)	58 LITER (G)	58 LITER(Z)
( )10515PN	5 PPM, BAL N2	\$255.00	\$370.00	\$370.00
( )105110PN	10 PPM, BAL N2	\$255.00	\$370.00	\$370.00
( )105110PM1	10 PPM, BAL N2	\$255.00	\$370.00	\$370.00
( )105110PM2	10 PPM, BAL N2	\$255.00	\$370.00	\$370.00
( )105120PN	20 PPM, BAL N2	\$255.00	\$370.00	\$370.00

Notes: Aluminum non-refillable cylinders with CGA C-10 fitting

\*\*\*\*other concentrations available upon request\*\*\*\*

# HYDROGEN SULFIDE -1053

reactive gas - available in aluminum cylinders **24 Month Shelf Life**

**NOTE: Please enter cylinder identifier letter (F, G, Z, U) in front of part# when ordering**

PART #	DESCRIPTION	34 LITER(F)	58 LITER(G)	58 LITER(Z)	116 LITER(U)
<b>Binary Mixes</b>					
( )105310PN	10 PM, BAL N2	\$160.00	\$180.00	\$180.00	\$285.00
( )105310PA	10 PPM, BAL AIR	\$160.00	\$180.00	\$180.00	\$285.00
( )105325PN	25 PPM, BAL N2	\$160.00	\$180.00	\$180.00	\$285.00
( )105325PA	25 PPM, BAL AIR	\$160.00	\$180.00	\$180.00	\$285.00
( )105340PN	40 PPM, BAL N2	\$160.00	\$180.00	\$180.00	\$285.00
( )105350PN	50 PPM, BAL N2	\$160.00	\$180.00	\$180.00	\$285.00
( )105350PA	50 PPM BAL AIR	\$160.00	\$180.00	\$180.00	\$285.00
( )1053100PN	100 PPM, BAL N2	\$160.00	\$180.00	\$180.00	\$285.00
( )1053100PA	100 PPM, BAL AIR	\$160.00	\$180.00	\$180.00	\$285.00
( )1053250PA	250 PPM, BAL AIR	\$160.00	\$180.00	\$180.00	\$285.00
( )1053500PA	500 PPM, BAL AIR	\$160.00	\$180.00	\$180.00	\$285.00
( )10531000PA	1000 PPM, BAL AIR	\$160.00	\$180.00	\$180.00	\$285.00
<b>QUAD MIXES</b>					
( )105310PM4	10 PPM H2S, 60 PPM CO, 1.45% CH4 (58% LEL PENTANE SIM), 15% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105310PM6	10 PPM H2S, 1.5% CH4, 15%O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105310PM10	10 PPM H2S, 35 PPM CO, 0.14% ISOPENTANE, 18% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105310PM11	10 PPM H2S, 35 PPM CO, 1% CH4, 18% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105310PM12	10 PPM H2S, 300 PPM CO, 1.45% CH4 (58% LEL PENTANE SIM), 15% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105310PM17	10 PPM H2S, 35 PPM CO, 0.5% CH4, 18% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105310PM21	10 PPM H2S, 300 PPM CO, 2.5% CH4 (50% LEL), 15% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105310PM23	10 PPM H2S, 35 PPM CO, 0.5% CH4, 20.9% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105310PM24	10 PPM H2S, 50 PPM CO, 2.5% CH4 (50% LEL), 20.9% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105310PM25	10 PPM H2S, 2.5% CH4 (50% LEL), 20.9% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105310PM31	10 PPM H2S, 50 PPM CO, 0.70% PETANE (50% LEL), 20.9% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105310PM32	10 PPM H2S, 50 PPM CO, 2.5% CH4 (50% LEL), 18% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00

# HYDROGEN SULFIDE -1053

reactive gas - available in aluminum cylinders **24 Month Shelf Life**

**NOTE: Please enter cylinder identifier letter (F, G, Z, U) in front of part# when ordering**

PART #	DESCRIPTION	34 LITER(F)	58 LITER(G)	58 LITER(Z)	116 LITER(U)
( )105315PM1	15 PPM H2S, 300 PPM CO, 1.45% CH4, 15% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105315PM2	15 PPM H2S, 50 PPM CO, 2.5% CH4 (50% LEL), 18% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105315PM3	15 PPM H2S, 250 PPM CO, 2.5% CH4 (50% LEL), 18% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105320PM1	20 PPM H2S, 60 PPM CO, 1.45% CH4 (58% LEL PENTANE SIM), 15% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105320PM2	20 PPM H2S, 100 PPM CO, 2.5% CH4 (50% LEL), 20.9% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105320PM3	20 PPM H2S, 200 PPM CO, 2.5% CH4 (50% LEL), 18% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105320PM4	20 PPM H2S, 60 PPM CO, 2.5% CH4 (50% LEL), 15% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105325PM24	25 PPM H2S, 100 PPM CO, 0.35% PENTANE (25% LEL), 18% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105325PM29	25 PPM H2S, 50 PPM CO, 1.5% CH4, 18% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105325PM32	25 PPM H2S, 0.525% PROPANE, 19% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105325PM35	25 PPM H2S, 0.35% PENTANE (25% LEL), 19% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105325PM37	25 PPM H2S, 2.5% CH4 (50% LEL), 19% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105325PM38	25 PPM H2S, 2.5% CH4 (50% LEL), 20.9% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105325PM42	25 PPM H2S, 50 PPM CO, 1.05% PROPANE, 20.9% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105325PM43	25 PPM H2S, 50 PPM CO, 1.05% PROPANE, 19% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105325PM44	25 PPM H2S, 50 PPM CO, 2.5% CH4 (50% LEL), 19% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105325PM45	25 PPM H2S, 50 PPM CO, 2.5% CH4 (50% LEL), 20.9% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105325PM46	25 PPM H2S, 50 PPM CO, 0.7% PENTANE (50% LEL) 19% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105325PM48	25 PPM H2S, 100 PPM CO, 2.5% CH4 (50% LEL), 20.9% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00

# HYDROGEN SULFIDE -1053

reactive gas - available in aluminum cylinders **24 Month Shelf Life**

**NOTE: Please enter cylinder identifier letter (F, G, Z, U) in front of part# when ordering**

PART #	DESCRIPTION	34 LITER(F)	58 LITER(G)	58 LITER(Z)	116 LITER(U)
( )105325PM50	25 PPM H2S, 50 PPM CO, 0.35% PENTANE (25% LEL), 19% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105325PM51	25 PPM H2S, 50 PPM CO, 2.5% CH4 (50% LEL), 12% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105325PM55	25 PPM H2S, 50 PPM CO, 0.7% PENTANE (50% LEL) 20.9% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105325PM57	25 PPM H2S, 50 PPM CO, 1.62% METHANE, 19% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105325PM58	25 PPM H2S, 100 PPM CO, 0.35% PENTANE (25% LEL), 19% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105325PM59	25 PPM H2S, 100 PPM CO, 2.5% CH4 (50% LEL), 18% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105325PM64	25 PPM H2S, 200 PPM CO, 2.5% CH4 (50% LEL) 20.9% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105325PM66	25 PPM H2S, 50 PPM CO, 1.05% PROPANE, 18% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105325PM67	25 PPM H2S, 100 PPM CO, 0.7% PENTANE (50% LEL), 20.9% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105325PM68	25 PPM H2S, 100 PPM CO, 2.5% CH4 (50% LEL), 13% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105325PM69	25 PPM H2S, 50 PPM CO, 2.5% CH4 (50% LEL), 17% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105325PM72	25 PPM H2S, 100 PPM CO, 1.05% PROPANE, 20.9% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105325PM73	25 PPM H2S, 100 PPM CO, 2.5% CH4 (50% LEL), 17% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105325PM74	25 PPM H2S, 2.5% CH4 (50% LEL), 12% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105325PM76	25 PPM H2S, 100 PPM CO, 0.5% CH4, 19% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105325PM77	25 PPM H2S, 50 PPM CO, 1.62% METHANE (50% LEL PROPANE SIM), 18% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105325PM78	25 PPM H2S, 100 PPM CO, 2.5% CH4 (50% LEL), 19% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105325PM79	25 PPM H2S, 95 PPM CO, 1.5% CH4, 20.9% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00

# HYDROGEN SULFIDE -1053

reactive gas - available in aluminum cylinders **24 Month Shelf Life**

**NOTE: Please enter cylinder identifier letter (F, G, Z, U) in front of part# when ordering**

PART #	DESCRIPTION	34 LITER(F)	58 LITER(G)	58 LITER(Z)	116 LITER(U)
( )105325PM80	25 PPM H2S, 250 PPM CO, 2.5% CH4 (50% LEL), 20.9% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105325PM81	25 PPM H2S, 200 PPM CO, 0.35% PENTANE (25% LEL) 19% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105325PM82	25 PPM H2S, 50 PPM CO, 2.5% CH4 (50% LEL), 18% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105325PM84	25 PPM H2S, 50 PPM CO, 0.18% N-HEXANE, 12% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105325PM85	25 PPM H2S, 100 PPM CO, 0.7% PENTANE (50% LEL), 18% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105325PM86	25 PPM H2S, 100 PPM CO, 2.5% CH4 (50% LEL), 15% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105325PM88	25 PPM H2S, 100 PPM CO, 1.62% CH4 (50% LEL PROPANE SIM), 19% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105325PM90	25 PPM H2S, 70 PPM CO, 0.35% PENTANE (25% LEL), 19% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105325PM92	25 PPM H2S, 100 PPM CO, 0.35% PENTANE (25% LEL), 20.9% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105325PM93	25 PPM H2S, 100 PPM CO, 1.25% CH4 (50% LEL PENTANE SIM), 18% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105325PM94	25 PPM H2S, 100 PPM CO, 0.7% PENTANE (50% LEL), 19% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105325PM96	25 PPM H2S, 50 PPM CO, 2.5% CH4 (50% LEL), 15% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105325PM98	25 PPM H2S, 50 PPM CO, 0.12% N-HEXANE, 12% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105335PM1	35 PPM H2S, 300 PPM CO, 1.30% CH4 (50% LEL PENTANE SIM), 15% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105340PM2	40 PPM H2S, 200 PPM CO, 2.5% CH4 (50% LEL), 10% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105340PM3	40 PPM H2S, 100 PPM CO, 2.5% CH4 (50% LEL), 15% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
( )105350PM1	50 PPM H2S, 2.5% CH4 (50% LEL), 16% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00

# HYDROGEN SULFIDE -1053

reactive gas - available in aluminum cylinders **24 Month Shelf Life**

**NOTE: Please enter cylinder identifier letter (F, G, Z, U) in front of part# when ordering**

PART #	DESCRIPTION	34 LITER(F)	58 LITER(G)	58 LITER(Z)	116 LITER(U)
( )105350PM4	50 PPM H2S, 100 PPM CO, 2.5% CH4 (50% LEL), 15% O2, BAL N2	\$194.00	\$275.00	\$275.00	\$445.00
<b>5 Part mixes</b>					
( )105320PM10	10 PPM SO2, 20 PPM H2S, 60 PPM CO, 1.45% CH4, 15% O2, bal N2	\$240.00	\$330.00	\$330.00	\$500.00
( )105325PM8	100 PPM Isobutylene, 25 PPM H2S, 50 PPM CO, 2.5% CH4, 12% O2, bal N2	\$240.00	\$330.00	\$330.00	\$500.00
( )105325PM9	5000 PPM CO2, 25 PPM H2S, 100 PPM CO, 0.5% Isopentane, 19% O2, bal N2	\$240.00	\$330.00	\$330.00	\$500.00

NOTE: QUAD MIXES THAT ARE "20.9% O2, BAL N2" ARE SOMETIMES REFERRED TO AS "BALANCE AIR"

Notes: Aluminum non-refillable cylinders with CGA C-10 fitting

\*\*\*\*other concentrations available upon request\*\*\*\*

**BUMP GAS - 11 LITER AEROSOL CYLINDERS**

A1053BG1	75 PPM H2S, 100 PPM CO, 2.5% METHANE (50% LEL), 16% O2, BAL N2	\$70.00
A1053BG2	75 PPM H2S, 100 PPM CO, 0.35% PENTANE (25% LEL), 16% O2, BAL N2	\$70.00
A1053BG3	75 PPM H2S, 100 PPM CO, 1.05% PROPANE (50% LEL), 16% O2, BAL N2	\$70.00
A105340PM2	40 PPM H2S, 200 PPM CO, 2.5% METHANE (50% LEL), 10% O2, BAL N2	\$70.00
A1016100PN	100 PPM CARBON MONOXIDE, BALANCE NITROGEN	\$70.00
A197150PA	50 PPM METHANE, BALANCE AIR	\$70.00



NOTE: AEROSOLS WITH H2S - 6 MONTH SHELF LIFE



# ISOBUTYLENE - 1055

nonreactive gas-available in steel disposable cylinders **36 Month Shelf Life**

**NOTE: Please enter cylinder size identifier letter (P, H, J, M, E) in front of part# when ordering**

PART #	DESCRIPTION	17 LITER(P)	34 LITER(H)	103 LITER(J)	221 LITER(M)	550 LITER(E)
( )105510PA	10 PPM, BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )1055100PA	100 PPM, BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )10551000PA	1000 PPM, BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00

Notes: the 17 and 34 LT cylinder are steel non-refillable cylinders with CGA 600  
 103 LT steel non-refillable cylinder with CGA C-10  
 221 LT steel non-refillable cylinder with CGA 165  
 550 LT steel non-refillable cylinder-CGA varies with gas and gas concentration

\*\*\*\*other concentrations available upon request\*\*\*\*

# METHANE 1971

nonreactive gas-available in steel disposable cylinders **36 Month Shelf Life**

**NOTE: Please enter cylinder size identifier letter (P, H, J, M, E) in front of part# when ordering**

PART #	DESCRIPTION	17 LITER(P)	34 LITER(H)	103 LITER(J)	221 LITER(M)	550 LITER(E)
( )1971*	99.0% PURE	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197110PN	10 ppm, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197110PA	10 PPM, BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197150PA	50 PPM, BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )1971100PA	100 PPM, BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )1971500PA	500 PPM, BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )19711000PA	1000 PPM, BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197110LA	0.50% (10% LEL), BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197120LA	1.0% (20% LEL), BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197125LA	1.25% (25% LEL), BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )19711.62VA	1.62%, BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197140LA	2.0% (40% LEL), BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197150LA	2.5% (50% LEL), BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197160LA	3.0% (60% LEL), BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )19713VN	3%, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197150VN*	50%, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197110LM2	0.5% METHANE (10% LEL), 35 PPM CO, 18% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197120LM2	1% METHANE (20% LEL), 200 PPM CO, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197120LM5	1% METHANE (20% LEL), 19% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197125LM2	1.25% METHANE (25% LEL), 20 PPM CO, 2.5% CO2, 19% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197125LM4	1.25% METHANE (25% LEL), 100 PPM CO, 19% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197129LM1	1.45% METHANE, 35 PPM CO, 16% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197129LM2	1.45% METHANE, 60 PPM CO, 15% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197129LM4	1.45% METHANE, 300 PPM CO, 15% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197130LM1	1.5% METHANE (30% LEL), 35 PPM CO, 20.9% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197130LM2	1.5% METHANE (30% LEL), 19% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197130LM4	1.5% METHANE, 100 PPM CO, 19% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197130LM5	1.5% METHANE, 95 PPM CO, 20.9% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197130LM6	1.5% METHANE, 50 PPM CO, 2.5% CO2, 18% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197140LM3	2% METHANE (40% LEL), 40 PPM CO, 20.9% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00

# METHANE 1971

nonreactive gas-available in steel disposable cylinders **36 Month Shelf Life**

**NOTE: Please enter cylinder size identifier letter (P, H, J, M, E) in front of part# when ordering**

PART #	DESCRIPTION	17 LITER(P)	34 LITER(H)	103 LITER(J)	221 LITER(M)	550 LITER(E)
( )197140LM4	2% METHANE (40% LEL), 5% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197150LM1	2.5% METHANE (50% LEL), 50 PPM CO, 20.9% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197150LM2	2.5% METHANE (50% LEL), 50 PPM CO, 19% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197150LM3	2.5% METHANE (50% LEL), 50 PPM CO, 17% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197150LM4	2.5% METHANE (50% LEL), 50 PPM CO, 12% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197150LM6	2.5% METHANE (50% LEL), 100 PPM CO, 20.9% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197150LM7	2.5% METHANE (50% LEL), 200 PPM CO, 20.9% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197150LM8	2.5% METHANE (50% LEL), 200 PPM CO, 19.5% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197150LM9	2.5% METHANE (50% LEL), 500 PPM CO, 20.9% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197150LM11	2.5% METHANE (50% LEL), 100 PPM CO, 19% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197150LM12	2.5% METHANE (50% LEL), 100 PPM CO, 17% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197150LM14	2.5% METHANE (50% LEL), 900 PPM CO, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197150LM15	2.5% METHANE (50% LEL), 100 PPM CO, 15% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197150LM18	2.5% METHANE (50% LEL), 200 PPM CO, 20.9% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197150LM19	2.5% METHANE (50% LEL), 50 PPM CO, 18% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197150LM20	2.5% METHANE (50% LEL), 500 PPM CO, 21% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197150LM21	2.5% METHANE (50% LEL), 15% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197150LM22	2.5% METHANE (50% LEL), 18% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197150LM26	2.5% METHANE (50% LEL), 12% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197150LM27	2.5% METHANE (50% LEL), 500 PPM CO, 5000 PPM CO2, 20.9% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197150LM28	2.5% METHANE (50% LEL), 200 PPM CO, 18.5% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197150LM35	2.5% METHANE (50% LEL), 25 PPM CO, 20.9% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00

# METHANE 1971

nonreactive gas-available in steel disposable cylinders **36 Month Shelf Life**

**NOTE: Please enter cylinder size identifier letter (P, H, J, M, E) in front of part# when ordering**

PART #	DESCRIPTION	17 LITER(P)	34 LITER(H)	103 LITER(J)	221 LITER(M)	550 LITER(E)
( )197150LM36	2.5% METHANE (50% LEL), 100 PPM CO, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197150LM39	2.5% METHANE (50% LEL), 50 PPM CO, 5000 PPM CO2, 20.9% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197150LM40	2.5% METHANE (50% LEL), 100 PPM CO, 18% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197150LM42	2.5% METHANE (50% LEL), 17% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197150LM43	2.5% METHANE (50% LEL), 1% CO2, 19% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197160LM1	3% METHANE (60% LEL), 17% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197160LM2	3% METHANE (60% LEL), 18% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )19711.62VM1	1.62% METHANE, 50 PPM CO, 18% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )19711.62VM2	1.62% METHANE, 50 PPM CO, 19% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )19711.62VM3	1.62% METHANE, 18% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )19712VM2	2% METHANE, 5% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )19714VM2	4% METHANE, 2% CO, 20% CO2M BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197150VM2*	50% METHANE, 35% CO2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00

Methane becomes flammable at 14.3% in Nitrogen. It is available up to 3% (60% LEL) in Air

\*flammable mix

Notes: the 17 and 34 LT cylinder are steel non-refillable cylinders with CGA 600  
the 103 LT are steel non-refillable cylinders with CGA C-10  
221 LT steel non-refillable cylinder with CGA 165 (260 PSIG)  
550 LT steel non-refillable cylinder-CGA varies with gas and gas concentration

\*\*\*\*other concentrations available upon request\*\*\*\*

# NITRIC OXIDE - 1660

reactive gas - available in aluminum cylinders **12 Month Shelf Life**

**NOTE: Please enter cylinder identifier letter (F, G, Z, U) in front of part# when ordering**

PART #	DESCRIPTION	34 LITER (F)	58 LITER (G)	58 LITER(Z)	116 LITER(U)
( )166010PN	10 PPM, BAL N2	\$255.00	\$370.00	\$370.00	\$445.00
( )166025PN	25 PPM, BAL N2	\$255.00	\$370.00	\$370.00	\$445.00
( )166050PN	50 PPM, BAL N2	\$255.00	\$370.00	\$370.00	\$445.00
( )1660100PN	100 PPM, BAL N2	\$255.00	\$370.00	\$370.00	\$445.00

Notes: Aluminum non-refillable cylinders with CGA C-10 fitting  
\*\*\*\*other concentrations available upon request\*\*\*\*\*

# NITROGEN - 1066

nonreactive gas-available in steel disposable cylinders **36 Month Shelf Life**

**NOTE: Please enter cylinder size identifier letter (P, H, J, M, E) in front of part# when ordering**

PART #	DESCRIPTION	17 LITER(P)	34 LITER(H)	103 LITER(J)	221 LITER(M)	550 LITER(E)
( )1066	99.999% PURE	\$60.00	\$75.00	\$140.00	\$160.00	\$200.00

Notes: the 17 and 34 LT cylinder are steel non-refillable cylinders with CGA 600  
 103 LT steel non-refillable cylinder with CGA C-10  
 221 LT steel non-refillable cylinder with CGA 165 (260 PSIG)  
 550 LT steel non-refillable cylinder-CGA varies with gas and gas concentration

\*\*\*\*other concentrations available upon request\*\*\*\*

# NITROGEN DIOXIDE - 1067

reactive gas - available in aluminum cylinders **12 Month Shelf Life**

**NOTE: Please enter cylinder identifier letter (F,G,Z,U) in front of part# when ordering**

PART #	DESCRIPTION	34 LITER (F)	58 LT (G)	58 LITER(Z)	116 LITER (U)
( )10675PN	5 PPM, BAL N2	\$255.00	\$370.00	\$370.00	\$445.00
( )106710PN	10 PPM, BAL N2	\$255.00	\$370.00	\$370.00	\$445.00
( )106710PA	10 PPM, BAL AIR	\$255.00	\$370.00	\$370.00	\$445.00
( )106725PN	25 PPM, BAL N2	\$255.00	\$370.00	\$370.00	\$445.00
( )106750PN	50 PPM, BAL N2	\$255.00	\$370.00	\$370.00	\$445.00
( )1067100PA	100 PPM, BAL AIR	\$255.00	\$370.00	\$370.00	\$445.00
( )1067250PN	250 PPM, BAL N2	\$255.00	\$370.00	\$370.00	\$445.00
( )1067500PN	500 PPM, BAL N2	\$255.00	\$370.00	\$370.00	\$445.00
( )106725PM1	25 PPM NO2, 100 PPM CO, 2.5% CH4, BAL N2	\$255.00	\$370.00	\$370.00	\$445.00

Notes: Aluminum non-refillable cylinders with CGA C-10 fitting

\*\*\*\*other concentrations available upon request\*\*\*\*

# NITROUS OXIDE -1070 nonreactive gas-available in steel disposable cylinders 36 Month Shelf Life

NOTE: Please enter cylinder size identifier letter (P, H, J) in front of part# when ordering

PART #	DESCRIPTION	17 LITER(P)	34 LITER(H)	103 LITER(J)
( )107010PN	10 PPM, BAL N2	\$95.00	\$105.00	\$195.00
( )107050PN	50 PPM, BAL N2	\$95.00	\$105.00	\$195.00
( )1070250PA	250 PPM, BAL AIR	\$95.00	\$105.00	\$195.00

Notes: the 17 and 34 LT cylinder are steel non-refillable cylinders with CGA 600  
103 LT steel non-refillable cylinder with CGA C-10

\*\*\*\*other concentrations available upon request\*\*\*\*



# OXYGEN -1072

nonreactive gas-available in steel disposable cylinders **36 Month Shelf Life**

**NOTE: Please enter cylinder size identifier letter (P, H, J, M, E) in front of part# when ordering**

PART #	DESCRIPTION	17 LITER(P)	34 LITER(H)	103 LITER(J)	221 LITER(M)	550 LITER(E)
( )107250PN	50 PPM, BAL N2			\$175.00		\$250.00
( )1072100PN	100 PPM, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )10721000PN	1000 PPM, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )1072.4VN	0.4%, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )1072.5VN	0.5%, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )1072.8VN	0.8%, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )10721VN	1.0%, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )10722VN	2.0%, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )10722.5VN	2.5%, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )10724VN	4.0%, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )10725VN	5.0%, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )10728VN	8.0%, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )107210VN	10%, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )107215VN	15%, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )107218VN	18%, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )107219.5VN	19.5%, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )107220.8VN	20.8%, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )107220.9VN	20.9%, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )107230VN*	30%, BAL N2	N/A	N/A	\$175.00	N/A	N/A

NOTE: OXYGEN BECOMES AN "OXIDIZING MIX" AT 23.5% IN NITROGEN

\*oxidizing mix - shipping restrictions

Notes: the 17 and 34 LT cylinder are steel non-refillable cylinders with CGA 600  
 103 LT steel non-refillable cylinder with CGA C-10  
 221 LT steel non-refillable cylinder with CGA 165 (260 PSIG)  
 550 LT steel non-refillable cylinder-CGA varies with gas and gas concentration

\*\*\*\*other concentrations available upon request\*\*\*\*

# N-PENTANE 1265

nonreactive gas-available in steel disposable cylinders **36 Month Shelf Life**

NOTE: Please enter cylinder size identifier letter (P, H, J, M, E) in front of part# when ordering

PART #	DESCRIPTION	17 LITER(P)	34 LITER(H)	103 LITER(J)	221 LITER(M)	550 LITER(E)
( )126525LA	0.35% (25% LEL), BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )126550LA	0.70% (50% LEL), BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )126510LM2	0.14% PENTANE (10% LEL), 18% O <sub>2</sub> , BAL N <sub>2</sub>	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )126510LM4	0.14% PENTANE (10% LEL), 15% O <sub>2</sub> , BAL N <sub>2</sub>	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )126525LM2	0.35% PENTANE (25% LEL), 50 PPM CO, 17% O <sub>2</sub> , BAL N <sub>2</sub>	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )126525LM4	0.35% PENTANE (25% LEL), 100 PPM CO, 19% O <sub>2</sub> , BAL N <sub>2</sub>	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )126525LM5	0.35% PENTANE (25% LEL), 50 PPM CO, 19% O <sub>2</sub> , BAL N <sub>2</sub>	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )126525LM6	0.35% PENTANE (25% LEL), 250 PPM CO, 19% O <sub>2</sub> , BAL N <sub>2</sub>	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )126525LM7	0.35% PENTANE (25% LEL), 19% O <sub>2</sub> , BAL N <sub>2</sub>	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )126525LM10	0.35% PENTANE (25% LEL), 70 PPM CO, 19% O <sub>2</sub> , BAL N <sub>2</sub>	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )126525LM12	0.35% PENTANE (25% LEL), 100 PPM CO, 2.5% CO <sub>2</sub> , 19% O <sub>2</sub> , BAL N <sub>2</sub>	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )126525LM17	0.35% PENTANE (25% LEL), 20.9% O <sub>2</sub> , BAL N <sub>2</sub>	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )126550LM2	0.7% PENTANE (50% LEL), 15% O <sub>2</sub> , BAL N <sub>2</sub>	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )126550LM6	0.7% PENTANE (50% LEL), 60 PPM CO, 15% O <sub>2</sub> , BAL N <sub>2</sub>	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )126550LM8	0.7% PENTANE (50% LEL), 18% O <sub>2</sub> , BAL N <sub>2</sub>	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )126550LM9	0.7% PENTANE (50% LEL), 20.9% O <sub>2</sub> , BAL N <sub>2</sub>	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )126550LM10	0.7% PENTANE (50% LEL), 50 PPM CO, 18% O <sub>2</sub> , BAL N <sub>2</sub>	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00

PENTANE BECOMES FLAMMABLE AT 4.4% IN NITROGEN. IT IS AVAILABLE UP TO 0.7% (50% LEL) IN AIR

Notes: the 17 and 34 LT cylinder are steel non-refillable cylinders with CGA 600  
103 LT steel non-refillable cylinder with CGA C-10  
221 LT steel non-refillable cylinder with CGA 165 (260 PSIG)  
550 LT steel non-refillable cylinder-CGA varies with gas and gas concentration

\*\*\*\*other concentrations available upon request\*\*\*\*

# PHOSPHINE 2199

reactive gas - available in aluminum **24 Month Shelf Life**

NOTE: Please enter cylinder identifier letter (F, G, Z) in front of part# when ordering

PART #	DESCRIPTION	34 LITER (F)	58 LITER (G)	58 LITER(Z)
( )2199.5PN	0.5 PPM, BAL N2	\$255.00	\$370.00	\$370.00
( )21991PN	1 PPM, BAL N2	\$255.00	\$370.00	\$370.00
( )21995PN	5 PPM BAL N2	\$255.00	\$370.00	\$370.00

Notes: Aluminum non-refillable cylinders with CGA C-10 fitting  
\*\*\*\*other concentrations available upon request\*\*\*\*\*

# PROPANE 1978

nonreactive gas-available in steel disposable cylinders **36 Month Shelf Life**

NOTE: Please enter cylinder size identifier letter (P, H, J, M, E) in front of part# when ordering

PART #	DESCRIPTION	17 LITER(P)	34 LITER(H)	103 LITER(J)	221 LITER(M)	550 LITER(E)
( )1978*	99.0% PURE	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )19781000PA	1000 PPM, BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )1978.5VN	0.5%, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )1978.5VA	0.5%, BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197825LA	0.53% (25% LEL), BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197830LA	0.63% (30% LEL) BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197850LA	1.05% (50% LEL) BAL AIR	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )19788.5VN*	8.5%, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197830VN*	30%, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197850VN*	50%, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197885VN*	85%, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197830LM1	0.63% PROPANE (30% LEL), 60 PPM CO, 15% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197850LM1	1.05% PROPANE (50% LEL), 50 PPM CO, 20.9% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197850LM3	1.05% PROPANE (50% LEL), 50 PPM CO, 18% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00
( )197850LM5	1.05% PROPANE (50% LEL), 50 PPM CO, 19% O2, BAL N2	\$60.00	\$75.00	\$175.00	\$200.00	\$250.00

NOTE: PROPANE BECOMES FLAMMABLE AT 6.5% IN NITROGEN. IT IS AVAILABLE IN AIR UP TO 1.05% (50% LEL)

\*flammable mix

Notes: the 17 and 34 LT cylinder are steel non-refillable cylinders with CGA 600  
the 103 LT are steel non-refillable cylinders with CGA C-10  
221 LT steel non-refillable cylinder with CGA 165 (260 PSIG)  
550 LT steel non-refillable cylinder-CGA varies with gas and gas concentration

\*\*\*\*other concentrations available upon request\*\*\*\*

# REFRIGERANT CALIBRATION GASES

nonreactive gas- steel disposable cylinders

36 Month Shelf Life

PART #	DESCRIPTION	34 LT (H)	103 LITER (J)
<b>R-22</b>		<b>R-22</b>	
J1018100PA	100 PPM, BAL AIR	\$155.00	\$210.00
J1018100PN	100 PPM, BAL N2	\$155.00	\$210.00
J10181000PA	1000 PPM, BAL AIR	\$155.00	\$210.00
J10181000PN	1000 PPM, BAL N2	\$155.00	\$210.00
J10183000PA	3000 PPM, BAL AIR	\$155.00	\$210.00
<b>R-12</b>		<b>R-12</b>	
J102830PN	30 PPM, BAL N2	\$155.00	\$210.00
J1028100PA	100 PPM, BAL AIR	\$155.00	\$210.00
J10281000PN	1000 PPM, BAL N2	\$155.00	\$210.00
J10282000PA	2000 PPM, BAL AIR	\$155.00	\$210.00
<b>R-134A</b>		<b>R-134A</b>	
J3159100PA	100 PPM, BAL AIR	\$155.00	\$210.00
3159100PN	100 PPM, BAL N2	\$155.00	\$210.00
3159500PA	500 PPM, BAL AIR	\$155.00	\$210.00
31591000PA	1000 PPM, BAL AIR	\$155.00	\$210.00
31591000PN	1000 PPM, BAL N2	\$155.00	\$210.00
31593000PA	3000 PPM, BAL AIR	\$155.00	\$210.00
31595000PA	5000 PPM, BAL AIR	\$155.00	\$210.00
<b>R-123</b>		<b>R-123</b>	
JR12330PN	30 PPM, BAL N2	\$155.00	\$210.00
JR123100PA	100 PPM, BAL AIR	\$155.00	\$210.00
JR123100PN	100 PPM, BAL N2	\$155.00	\$210.00
JR123500PN	500 PPM, BAL N2	\$155.00	\$210.00
JR123500PA	500 PPM, BAL AIR	\$155.00	\$210.00
JR1231000PA	1000 PPM, BAL AIR	\$155.00	\$210.00

PART #	DESCRIPTION	34 LT (H)	103 LITER (J)
<b>R-404A</b>		<b>R-404A</b>	
J404A500PN	500 PPM, BAL N2	\$155.00	\$210.00
J404A500PA	500 PPM, BAL AIR	\$155.00	\$210.00
J404A1000PA	1000 PPM, BAL AIR	\$155.00	\$210.00
J404A3000PA	3000 PPM, BAL AIR	\$155.00	\$210.00
<b>R-407A</b>		<b>R-407A</b>	
J407A1000PN	1000 PPM, BAL N2	\$155.00	\$210.00
J407A3000PN	3000 PPM, BAL N2	\$155.00	\$210.00
<b>R-407C</b>		<b>R-407C</b>	
J407C1000PN	1000 PPM, BAL N2	\$155.00	\$210.00
J407C1000PA	1000 PPM, BAL AIR	\$155.00	\$210.00
<b>R-410A</b>		<b>R-410-A</b>	
J410A100PA	100 PPM, BAL AIR	\$155.00	\$210.00
J410A500PN	500 PPM, BAL N2	\$155.00	\$210.00
J410A500PA	500 PPM, BAL AIR	\$155.00	\$210.00
J410A1000PA	1000 PPM, BAL AIR	\$155.00	\$210.00
J410A3000PN	3000 PPM, BAL N2	\$155.00	\$210.00
J410A5000PA	5000 PPM, BAL AIR	\$155.00	\$210.00
<b>R-422A</b>		<b>R-422A</b>	
J422A1000PA	1000 PPM, BAL AIR	\$155.00	\$210.00
<b>R-422D</b>		<b>R-422D</b>	
J422D100PN	100 PPM, BAL N2	\$155.00	\$210.00
J422D1000PN	1000 PPM, BAL N2	\$155.00	\$210.00
J422D1000PA	1000 PPM, BAL AIR	\$155.00	\$210.00
J422D3000PN	3000 PPM, BAL N2	\$155.00	\$210.00
<b>R-507A</b>		<b>R-507-A</b>	
J507A500PN	500 PPM, BAL N2	\$155.00	\$210.00
J507A500PA	500 PPM, BAL AIR	\$155.00	\$210.00
J507A3000PA	3000 PPM, BAL AIR	\$155.00	\$210.00

\*\*\*\*other concentrations available upon request\*\*\*\*

# SULFUR DIXOIDE - 1079

reactive gas - available in aluminum cylinders **36 Month Shelf Life**

NOTE: Please enter cylinder identifier letter (F, G, Z, U) in front of part# when ordering

PART #	DESCRIPTION	34 LITER (F)	58 LITER (G)	58 LITER(Z)	116 LITER(U)
( )107910PN	10 PPM, BAL N2	\$150.00	\$170.00	\$170.00	\$285.00
( )107910PA	10 PPM, BAL AIR	\$150.00	\$170.00	\$170.00	\$285.00
( )107925PN	25 PPM, BAL N2	\$150.00	\$170.00	\$170.00	\$285.00
( )107950PA	50 PPM, BAL AIR	\$150.00	\$170.00	\$170.00	\$285.00
( )1079100PN	100 PPM, BAL N2	\$150.00	\$170.00	\$170.00	\$285.00
( )1079100PA	100 PPM, BAL AIR	\$150.00	\$170.00	\$170.00	\$285.00
( )10795PN	5 PPM, BAL N2	\$150.00	\$170.00	\$170.00	\$285.00
( )10795PM2	5 PPM SO2, 50 PPM CO, 2.5% CH4, 20.9% O2, BAL N2	\$175.00	\$270.00	\$270.00	\$490.00
( )107910PM2	10 PPM SO2, 50 PPM CO, 2.5% CH4, 20.9% O2, BAL N2	\$175.00	\$270.00	\$270.00	\$490.00
( )107910PM4	10 PPM SO2, 50 PPM CO, 2.5% CH4, 19% O2, BAL N2	\$175.00	\$270.00	\$270.00	\$490.00
( )107910PM5	10 PPM SO2, 100 PPM CO, 2.5% CH4, 17% O2, BAL N2	\$175.00	\$270.00	\$270.00	\$490.00
( )107910PM6	10 PPM SO2, 100 PPM CO, 2.5% CH4, 20.9% O2, BAL N2	\$175.00	\$270.00	\$270.00	\$490.00
( )107925PM1	25 PPM SO2, 200 PPM CO, 0.7% PENTANE, 20% O2, BAL N2	\$175.00	\$270.00	\$270.00	\$490.00

Notes: Aluminum non-refillable cylinders with CGA C-10 fitting

\*\*\*\*other concentrations available upon request\*\*\*\*

# TOLUENE - 1294

reactive gas - available in aluminum cylinders **24 Month Shelf Life**

NOTE: Please enter cylinder identifier letter (F, G, Z, U) in front of part# when ordering

PART #	DESCRIPTION	34 LITER (F)	58 LT (G)	58 LITER(Z)	116 LITER(U)
( )1294100PA	100 PPM, BAL AIR	\$155.00	\$215.00	\$215.00	\$325.00
( )1294400PN	400 PPM, BAL N2	\$155.00	\$215.00	\$215.00	\$325.00
( )12941000PA	1000 PPM, BAL AIR	\$155.00	\$215.00	\$215.00	\$325.00
( )12941000PN	1000 PPM, BAL N2	\$155.00	\$215.00	\$215.00	\$325.00

Notes: Aluminum non-refillable cylinders with CGA C-10 fitting  
\*\*\*\*other concentrations available upon request\*\*\*\*\*

## REGULATORS

**\*\*Note: supplier % discount does not necessarily apply to accesories\*\***

### 400 SERIES: SET-FLOW REGULATORS FOR 17 / 34 LITER STEEL CYLINDERS (CGA 600)

PART#		PRICE
400**	Dispensing Valve W/Tubing	\$38.00
411	Regulator 1.5 LPM (17 / 34 liter)	\$135.00
413	Regulator 0.25 LPM (17 / 34 liter)	\$135.00
414	Regulator 0.3 LPM (17 / 34 liter)	\$135.00
417	Regulator 0.5 LPM (17 / 34 liter)	\$135.00
418	Regulator 1.0 LPM (17 / 34 liter)	\$135.00

### 500 SERIES: SET-FLOW REGULATORS FOR 34 / 58 / 76/ 116 LITER ALUM. and 103 LITER STEEL CYL (CGA C-10)

PART#		PRICE
510	Regulator 0.1 LPM (34/58/103/116 liter)	\$135.00
511	Regulator 1.5 LPM (34/58/103/116 liter)	\$135.00
512	Regulator 2.5 LPM (34/58/103/116 liter)	\$135.00
513	Regulator 0.25 LPM (34/58/103/116 liter)	\$135.00
514	Regulator 0.2 LPM (34/58/103/116 liter)	\$135.00
515	Regulator 6.0 LPM (34/58/103/116 liter)	\$135.00
516	Regulator 0.3 LPM (34/58//103/116 liter)	\$135.00
517	Regulator 0.5 LPM (34/58/103/116 liter)	\$135.00
517ss	Stainless Steel Regulator 0.5 LPM (34/58/116 liter)	\$220.00
517tr**	Regulator 0.5 lpm trigger (34/58/103/116 liter)	\$155.00
518	Regulator 1.0 LPM (34/58/103/116 liter)	\$135.00
518ss	Stainless Steel Regulator 1.0 LPM (34/58/116 liter)	\$220.00
Gauge	1000 PSI gauge for 500 series regulator	\$29.00
GaugeSS	1000 PSI Stainless Steel gauge for 500 series regulator	\$64.00

**\*\*Note: supplier % discount does not necessarily apply to accesories\*\***

**Note "LPM" = Liter Per Minute**





## REGULATORS

### 6000 SERIES: REGULATORS w/MULTIPLE FLOW SETTINGS 0.1 - 0.3 - 0.5 - 1.0 - 1.5 - 2 - 2.5 - 3 - 5 - 6 - 7 liters per minute

PART#	For both refillable and non-refillable cylinders	PRICE
6165**	Regulator with CGA 165 inlet (221 liter cylinders)	\$260.00
6170**	Regulator with CGA 170 inlet	\$260.00
6330**	Regulator with CGA 330 inlet (Refillable cylinder)	\$345.00
6350**	Regulator with CGA 350 inlet (Refillable cylinder)	\$260.00
6580**	Regulator with CGA 580 inlet (Refillable cylinder)	\$260.00
6590**	Regulator with CGA 590 inlet (Refillable cylinder)	\$260.00
6600**	Regulator with CGA 600 ( 17/ 34 liter steel cylinders)	\$260.00
6660**	Regulator with CGA 660 (Refillable cylinder)	\$345.00
6C10**	Regulator for 34/58/103/116 liter aluminum cylinder (SS Gauge)	\$260.00

### PRESSURE REDUCING REGULATORS

PART#		PRICE
701	Regulator with 25 PSIG delivery pressure and CGA 165 inlet (FOR 221 LT CYL)	\$150.00
900-30**	Regulator w/3500 psig inlet pressure, 0-30 psig delievery range (various cga connections)	\$245.00

### DEMAND FLOW REGULATORS 0.1-3.0 LPM DEMAND FLOW

PART#		PRICE
4903**	Single Stage Demand Flow Regulator for 34/58/103/116 liter cylinders	\$190.00
4903-600**	Single Stage Demand Flow Regulator for 17/34 liter steel cylinders	\$190.00
CDI-DFR**	Dual Stage Demand Flow Regulator for 34/58/103/116 liter cylinders	\$190.00
CDI-DFR-600**	Dual Stage Demand Flow Regulator for 17/34 liter steel cylinders	\$190.00
8180**	Demand Flow Regulator with CGA 180	\$280.00
8330**	Demand Flow Regulator with CGA 330	\$340.00
8350**	Demand Flow Regulator with CGA 350	\$340.00
8580**	Demand Flow Regulator with CGA 580	\$280.00
8590**	Demand Flow Regulator with CGA 590	\$280.00
8660**	Demand Flow Regulator with CGA 660	\$340.00

**Note "LPM" = Liter Per Minute**

**\*\*note: supplier % discount does not necessarily apply to accesories\*\***

## EMPTY CASES

\*\*Note: supplier % discount does not necessarily apply to accesories\*\*

PART#		LIST PRICE
500A**	Case to Hold 4 ea-17/34/58G liter cyl	\$90.00
500B**	Case for 1 ea 58Z/103/116 Ltr. & 2 ea 17/34/58G Ltr. Cyl.	\$90.00
500C**	Case to Hold 3 ea 58Z/103/116 Ltr. Cyl	\$90.00
500D**	Case to Hold 2 ea 17/34/58G Ltr. Cyl	\$68.00
505**	Case to Hold 2 ea 58Z/103/116 Ltr. Cyl	\$90.00
CTB-100**	Dual cylinder Transport Bag	\$64.00

## SUPPLEMENTAL ACCESSORIES

TY2001**	Tygon Tubing 1/8" ID (Per ft.) *bump gas tubing*	\$3.60/ft
TY2002**	Tygon Tubing 3/16" ID (Per ft.) *regulator tubing*	\$3.60/ft
FEP-4**	1/4" diameter tubing (for chlorine)	\$7.35/ft
909D**	DeLuxe Tedlar Span Bag 9x9 Double Valve	\$49.00
600DV**	cylinder devalving tool CGA 600	\$109.00
C10DV**	cylinder devalving tool CGA C10	\$109.00
STAND**	stand for disposable cylinders	\$70.00

\*\*note: supplier % discount does not necessarily apply to accesories\*\*

