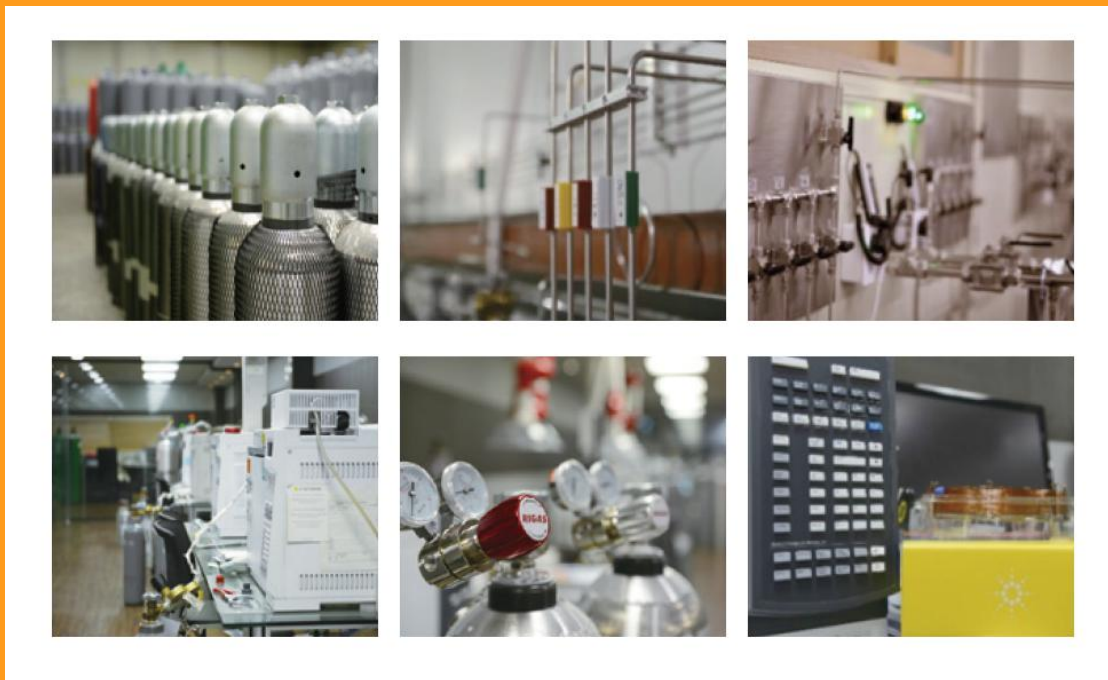


www.specialgaseng.com

Specialty Gas Engineering

Portable Gases

In Disposable Cylinders



Company Information

A Company specialized in Production, Analysis and Research of Standard Materials

Specialty Gas Engineering Co. Ltd. supplies all standard gases in gravimetric method using high precision and high capacity scale. We guarantee the accuracy for the concentration of every component by quantifying and verifying with various gas analyzers.

A company manufacturing variety of Standard Materials

Specialty Gas Engineering Co. Ltd. provides standard gases in various specifications that customers need.

- Atmospheric Environmental Calibration Standards
- Petrochemical and Natural Gas Standards
- Odor Standards
- Toxic Gas Mixtures
- Automobile Exhaust Gas Standards
- Laser Gas Mixtures
- Volatile Organic Compound Standards (VOCs)
- Other Gas Mixtures

Traceability

Our analytical operations are traceable through a calibration standard produced to either a recognized international standard such as NIST, VSL, NPL, KRISS or a gravimetrically manufactured Primary Reference Standard traceable to NIST standard masses

Portable Gas Cylinders

This is a compact high pressure standard gas. It is made to be easy to use anywhere at anytime and can be refilled if all gas is used. Specialty Gas Engineering Co. Ltd. provides customers with the various components and concentrations needed for the calibration and so on. It is recommended for customers who need a small size cylinder.

Information

Cylinder				
	Size	1 L [D 8.5cm, H 28.5 cm]	Weight	0.84 kg
	Material	Aluminum	T.P	12.4 MPa
Valve				
	Body	Ni plated Brass	O-ring	Viton
	Connection	5/8-18 UNF thread	T.P	12.4MPa

※ If you have any inquiry on regulator and accessory, ask for consultation and we will provide further information.

CYLINDERS



103 Liter Non-refillable Cylinder

Contents : 103 liters (3.6 cu. Ft.)
 Material : Stainless Steel
 Gas Type : Non-Corrosive
 Pressure : 1000 PSIG
 Outlet : C-10 5/8" – 18 UNF
 Weight : 2.3lbs.
 Dimensions : 3 1/4" x 13 2/3"
 D.O.T. Specs : 39 NRC
 Regulator : SG-PR160 Series

103 Liter Nonrefillable Cylinder



3A Refillable Cylinder

Contents : 104 liters (3.7 cu. Ft.)
 Material : Aluminum
 Gas Type : Corrosive
 Pressure : 1800 PSIG
 Outlet : CGA 180
 Weight : 2.2lbs.
 Dimensions : 3 1/4" x 12 1/4"
 D.O.T. Specs : 3AL 1800
 Regulator : SG-PR160 Series

3A Refillable Cylinder

Special Features

- The quality and safety of cylinders and valves are guaranteed as certified products of DOT-39
- All products are manufactured by gravimetric method.
- All products are provided to customers with certificate of analysis.
- All products are traceable through international standard institution.

Cylinders Variety

1. 103 L steel cylinder, for non-reactive gas , valve C-10 (5/8" UNF)
2. 34 L steel cylinder, for non-reactive gas, valve CGA 600
3. 29 L aluminium cylinder with spray head, for non-reactive gas
4. 29 L aluminium cylinder, for reactive or corrosive gas, valve C-10 (5/8" UNF)
5. 58 L aluminium cylinder, for reactive or corrosive gas, valve C-10 (5/8" UNF)



1

2

3

4

5

Valve C-10 (5/8" UNF)



Gas Specification

P10132000PN	2000 ppm / N2	H101620PA	20 ppm / Air
<u>34 liter cylinders</u>		H101625PA	25 ppm / Air
H1013700PN	700 ppm / N2	H101635PA	35 ppm / Air
H10131000PN	1000 ppm / N2	H101640PA	40 ppm / Air
H10135VN	5% by Volume / N2	H101650PA	50 ppm / Air
<u>103 liter cylinders</u>		H101650PN	50 ppm / N2
J1013100PN	100 ppm / N2	H101660PA	60 ppm / Air
J1013200PN	200 ppm / N2	H1016100PA	100 ppm / Air
J101650PM3	1000 ppm / CO 50 ppm / Air	H1016100PN	100 ppm / N2
J10131000PN	1000 ppm / N2	H1016150PA	150 ppm / Air
J10132000PN	2000 ppm / N2	H1016200PA	200 ppm / Air
J10132.5VN	2.5% by Volume / N2	H1016200PN	200 ppm / N2
J10135VN	5% by Volume / N2	H1016250PA	250 ppm / Air
J101310VN	10% by Volume / N2	H1016300PA	300 ppm / Air
		H1016400PA	400 ppm / Air
		<u>103 liter cylinders</u>	
<u>CARBON MONOXIDE (CO)</u>		J101610PA	10 ppm / Air
<u>17 liter cylinders</u>		J101620PA	20 ppm / Air
P101610PA	10 ppm / Air	J101625PA	25 ppm / Air
P101620PA	20 ppm / Air	J101635PA	35 ppm / Air
P101625PA	25 ppm / Air	J101640PA	40 ppm / Air
P101635PA	35 ppm / Air	J101650PA	50 ppm / Air
P101640PA	40 ppm / Air	J101650PN	50 ppm / N2
P101650PA	50 ppm / Air	J101660PA	60 ppm / Air
P101650PN	50 ppm / N2	J101660PN	60 ppm / N2
P101660PA	60 ppm / Air	J101675PA	75 ppm / Air
P1016100PA	100 ppm / Air	J101680PA	80 ppm / Air
P1016100PN	100 ppm / N2	J101680PN	80 ppm / N2
P1016200PA	200 ppm / Air	J1016100PA	100 ppm / Air
P1016200PN	200 ppm / N2	J1016100PN	100 ppm / N2
P1016250PA	250 ppm / Air	J1016150PA	150 ppm / Air
P1016300PA	300 ppm / Air	J1016200PA	200 ppm / Air
P1016400PA	400 ppm / Air	J1016200PN	200 ppm / N2
		J1016250PA	250 ppm / Air
<u>34 liter cylinders</u>		J1016300PA	300 ppm / Air
H101610PA	10 ppm / Air	J1016400PA	400 ppm / Air
		J1016400PN	400 ppm / N2

Gas Specification

J1016500PA	500 ppm / Air	CFC'S/HCFC'S/HFC'S (REFRIGERANTS)	
J1016500PN	500 ppm / N2	103 liter cylinders	R-11
J10161000PN	1000 ppm / N2	J251710PN	10 ppm / N2
		J251730PN	30 ppm / N2
		J2517100PN	100 ppm / N2
			R-12
CHLORINE (CL2)		J102810PN	10 ppm / N2
		J102830PN	30 ppm / N2
29 liter cylinders		J1028100PN	100 ppm / N2
FB10175PN	5 ppm / N2		R-22
FB101710PN	10 ppm / N2	J101810PN	10 ppm / N2
		J101830PN	30 ppm / N2
58 liter cylinders		J1018100PA	100 ppm / Air
ZB10175PN	5 ppm / N2	J1018100PN	100 ppm / N2
ZB101710PN	10 ppm / N2		R-123
		JR12310PN	10 ppm / N2
		JR12330PN	30 ppm / N2
		JR123100PN	100 ppm / N2
ETHYLENE			R-134A
		J315910PN	10 ppm / N2
17 liter cylinder		J315930PN	30 ppm / N2
P196212PA	12 ppm / Air	J3159100PN	100 ppm / N2
P196227PA	27 ppm / Air	J3159100PA	100 ppm / Air
ETHYLENE OXIDE (ETO)		HEXANE	
		17 Liter cylinders	
58 liter cylinders		P120820LA	20% LEL / Air
Z10405PN	5 ppm / N2	P120825LA	25% LEL / Air
Z104010PN	10 ppm / N2	P120830LA	30% LEL / Air
Z104050PN	50 ppm / N2		40% LEL / Air
			(TOP PRESSURE - 175 PSIG)
116 liter cylinders		P120840LA	
INQUIRE	5-500 ppm / N2		

Gas Specification

<u>34 liter cylinders</u>		P1049	100%
H120825PA	25 ppm / Air	P10492000PA	2000 ppm / Air
H120850PA	50 ppm / Air	P104920LA	20% LEL (0.8% by Volume) / Air
H120875PA	75 ppm / Air	P104925LA	25% LEL (1.0% by Volume) / Air
H1208100PA	100 ppm / Air	P104940LA	40% LEL (1.6% by Volume) / Air
H1208400PA	400 ppm / Air	P104950LA	50% LEL (2.0% by Volume) / Air
H1208500PA	500 ppm / Air	<u>34 liter cylinders</u>	
H120810LA	10% LEL / Air	H1049	100%
H120820LA	20% LEL / Air (TOP PRESSURE - 375 PSIG)	H104920LA	20% LEL (0.8% by Volume) / Air
H120825LA	25% LEL / Air (TOP PRESSURE - 293 PSIG)	H104925LA	25% LEL (1.0% by Volume) / Air
H120830LA	30% LEL / Air (TOP PRESSURE - 244 PSIG)	H104950LA	50% LEL (2.0% by Volume) / Air
<u>103 liter cylinders</u>		<u>103 liter cylinders</u>	
J120825PA	25 ppm / Air	J104920LA	20% LEL (0.8% by Volume) / Air
J120850PA	50 ppm / Air	J104925LA	25% LEL (1.0% by Volume) / Air
J1208100PA	100 ppm / Air	J104950LA	50% LEL (2.0% by Volume) / Air
J1208500PA	500 ppm / Air	J1049100PA	100 ppm / Air
J120810LA	10% LEL / Air (TOP PRESSURE - 733 PSIG)	J1049500PA	500 ppm / Air
J120820LA	20% LEL / Air (TOP PRESSURE - 375 PSIG)	J10491000PA	1000 ppm / Air
J120825LA	25% LEL / Air (TOP PRESSURE - 293 PSIG)	<u>HYDROGEN CYANIDE (HCN)</u>	
J120830LA	30% LEL / Air (TOP PRESSURE - 244 PSIG)	<u>58 liter cylinders</u>	
<u>HYDROGEN (H2)</u>		Z10515PN	5 ppm / N2
<u>17 liter cylinders</u>		Z105110PN	10 ppm / N2
		Z105120PN	20 ppm / N2
		<u>116 liter cylinders</u>	
		INQUIRE	5-50 ppm / N2

Gas Specification

HYDROGEN SULFIDE (H2S)			
<u>29 liter cylinders</u>			
F105310PN	10 ppm / N2		
F105310PA	10 ppm / Air		
F105325PN	25 ppm / N2		
F105325PA	25 ppm / Air		
F105350PN	50 ppm / N2		
F105350PA	50 ppm / Air		
F105310PM12	10 ppm / Pentane Sim. 58% LEL (1.5% CH4) / CO 300 ppm / O2 15% / N2	F105325PM57	25 ppm / Propane Sim.50% LEL (1.62% CH4) / CO 50 ppm / O2 19% / N2
F105310PM21	10 ppm / Methane 50% LEL / CO 300 ppm / O2 15% / N2	F105325PM58	25 ppm / Pentane 25% LEL / CO 100 ppm / O2 19% / N2
F105310PM24	10 ppm / Methane 50% LEL / CO 50 ppm / O2 20.9% / N2	F105325PM77	25 ppm / Prop. Sim. 50% LEL (1.62% CH4) / CO 50 ppm / O2 18% / N2
F105325PM45	25 ppm / Methane 50% LEL / CO 50 ppm / Air	F105340PM3	40 ppm / Methane 50% LEL / CO 100 ppm / O2 15% / N2
F105325PM48	25 ppm / Methane 50% LEL / CO 100 ppm / Air	F105320PM1	20 ppm / Pentane sim. 58% LEL (1.5% CH4) / 60 ppm CO/ 15% O2/ N2
F105325PM51	25 ppm / Methane 50% LEL / CO 50 ppm / O2 12% / N2		
F105325PM55	25 ppm / Pentane 50% LEL / CO 50 ppm / O2 20.9% / N2	<u>58 liter cylinders</u>	
		Z10535PN	5 ppm / N2
		Z10535PA	5 ppm / Air
		Z105310PN	10 ppm / N2
		Z105310PA	10 ppm / Air
		Z105320PN	20 ppm / N2
		Z105320PA	20 ppm / Air
		Z105325PN	25 ppm / N2
		Z105325PA	25 ppm / Air
		Z105330PN	30 ppm / N2
		Z105335PN	35 ppm / N2
		Z105340PN	40 ppm / N2
		Z105340PA	40 ppm / Air
		Z105350PN	50 ppm / N2
		Z105350PA	50 ppm / Air
		Z105360PN	60 ppm/ N2
		Z105390PN	90 ppm / N2
		Z1053100PN	100 ppm / N2
		Z1053100PA	100 ppm / Air
		Z1053250PN	250 ppm / N2
		Z1053250PA	250 ppm / Air
		Z1053500PN	500 ppm / N2

Gas Specification

Z1053500PA	500 ppm / Air		
Z10531000PN	1000 ppm / N2		
Z10531000PA	1000 ppm / Air	Z105325PM50	25 ppm / Pentane 25% LEL / CO 50 ppm / O2 19% / N2
Z105310PM4	10 ppm / Pentane Sim. 58% LEL (1.5% CH4) / CO 60 ppm / O2 15% / N2	Z105325PM51	25 ppm / Methane 50% LEL / CO 50 ppm / O2 12% / N2
Z105310PM10	10 ppm / Pentane 10% LEL / CO 35 ppm / O2 18% / N2	Z105325PM55	25 ppm / Pentane 50% LEL / CO 50 ppm / Air
Z105310PM12	10 ppm / Pent.Sim. 58% LEL (1.5% CH4) / CO 300 ppm / O2 15% / N2	Z105325PM56	25 ppm / Pentane 50% LEL / O2 16% / N2
Z105310PM17	10 ppm / Methane 10% LEL / CO 35 ppm / O2 18% / N2	Z105325PM57	25 ppm / Prop.Sim. 50% LEL (1.62% CH4) / CO 50 ppm / O2 19% / N2
Z105325PM35	25 ppm / Pentane 25% LEL / O2 19% / N2	Z105325PM58	25 ppm / Pentane 25% LEL / CO 100 ppm / O2 19% / N2
Z105325PM37	25 ppm / Methane 50% LEL / O2 19% / N2	Z105325PM59	25 ppm / Methane 50% LEL / CO 100 ppm / O2 18% / N2
Z105325PM38	25 ppm / Methane 50% LEL / Air	Z105325PM60	25 ppm / Prop.Sim. 50% LEL (1.62% CH4) / CO 50 ppm / Air
Z105325PM42	25 ppm / Propane 50% LEL / CO 50 ppm / Air	Z105325PM64	25 ppm / Methane 50% LEL / CO 200 ppm / O2 20.9% / N2
Z105325PM43	25 ppm / Propane 50% LEL / CO 50 ppm / O2 19% / N2	Z105325PM65	25 ppm / Methane 30% LEL (1.5%) / CO 95 ppm / O2 18% / N2
Z105325PM44	25 ppm / Methane 50% LEL / CO 50 ppm / O2 19% / N2	Z105325PM66	25 ppm / Propane 50% LEL (1.05%) / CO 50 PPM / O2 18% / N2
Z105325PM45	25 ppm / Methane 50% LEL / CO 50 ppm / Air	Z105325PM67	25 ppm / Pentane 50% LEL / CO 100 ppm / Air
Z105325PM46	25 ppm / Pentane 50% LEL / CO 50 ppm / O2 19% / N2	Z105325PM68	25 ppm / Methane 50% LEL (2.5%) / CO 100 PPM / O2
Z105325PM48	25 ppm / Methane 50% LEL / CO 100 ppm / Air		

Gas Specification

	13% / N2	U1053250PA	250 ppm / Air
Z105325PM69	25 ppm / Methane 50% LEL (2.5%) / CO 50 PPM / O2 17% / N2	U1053500PN	500 ppm / N2
Z105325PM77	25 ppm / Prop. Sim. 50% LEL (1.62% CH4) / CO 50 ppm / O2 18% / N2	U1053500PA	500 ppm / Air
Z105325PM78	25 ppm / CH4 50% LEL / CO 100 ppm / O2 19% / N2	U10531000PN	1000 ppm / N2
Z105325PM81	25 ppm / Pentane 25% LEL / CO 200 ppm / O2 19% / N2	U10531000PA	1000 ppm / Air
Z105325PM82	25 ppm / Methane 50% LEL / CO 50 ppm / O2 18% / N2	U105310PM4	10 ppm / Pentane Sim. 58% LEL (1.5% CH4) / CO 60 ppm / O2 15% / N2
Z105325PM83	25 ppm / n-Pentane 25% LEL / O2 19% / N2	U105310PM10	10 ppm / Pentane 10% LEL / CO 35 ppm / O2 18% / N2
<u>116 liter cylinders</u>		U105310PM12	10 ppm / Pent.Sim. 58% LEL (1.5% CH4) / CO 300 ppm / O2 15% / N2
U10535PN	5 ppm / N2	U105310PM17	10 ppm / Methane 10% LEL / CO 35 ppm / O2 18% / N2
U10535PA	5 ppm / Air	U105325PM35	25 ppm / Pentane 25% LEL / O2 19% / N2
U105310PN	10 ppm / N2	U105325PM37	25 ppm / Methane 50% LEL / O2 19% / N2
U105310PA	10 ppm / Air	U105325PM38	25 ppm / Methane 50% LEL / Air
U105320PN	20 ppm / N2	U105325PM42	25 ppm / Propane 50% LEL / CO 50 ppm / Air
U105320PA	20 ppm / Air	U105325PM43	25 ppm / Propane 50% LEL / CO 50 ppm / O2 19% / N2
U105325PN	25 ppm / N2	U105325PM44	25 ppm / Methane 50% LEL / CO 50 ppm / O2 19% / N2
U105325PA	25 ppm / Air	U105325PM45	25 ppm / Methane 50% LEL / CO 50 ppm / Air
U105330PN	30 ppm / N2	U105325PM46	25 ppm / Pentane 50% LEL / CO 50 ppm / O2 19% / N2
U105335PN	35 ppm / N2	U105325PM48	25 ppm / Methane
U105340PN	40 ppm / N2		
U105340PA	40 ppm / Air		
U105350PN	50 ppm / N2		
U105350PA	50 ppm / Air		
U105360PN	60 ppm/ N2		
U105390PN	90 ppm / N2		
U1053100PN	100 ppm / N2		
U1053100PA	100 ppm / Air		
U1053250PN	250 ppm / N2		

Gas Specification

	50% LEL / CO 100 ppm / Air		50% LEL (2.5%) / CO 100 PPM / O2 13% / N2
U105325PM50	25 ppm / Pentane 25% LEL / CO 50 ppm / O2 19% / N2	U105325PM69	25 ppm / Methane 50% LEL (2.5%) / CO 50 PPM / O2 17% / N2
U105325PM51	25 ppm / Methane 50% LEL / CO 50 ppm / O2 12% / N2	U105325PM77	25 ppm / Prop. Sim. 50% LEL (1.62% CH4) / CO 50 ppm / O2 18% / N2
U105325PM55	25 ppm / Pentane 50% LEL / CO 50 ppm / Air	U105325PM78	25 ppm / CH4 50% LEL / CO 100 ppm / O2 19% / N2
U105325PM56	25 ppm / Pentane 50% LEL / O2 16% / N2	U105325PM81	25 ppm / Pentane 25% LEL / CO 200 ppm / O2 19% / N2
U105325PM57	25 ppm / Prop.Sim. 50% LEL (1.62% CH4) / CO 50 ppm / O2 19% / N2	U105325PM82	25 ppm / Methane 50% LEL / CO 50 ppm / O2 18% / N2
U105325PM58	25 ppm / Pentane 25% LEL / CO 100 ppm / O2 19% / N2	U105325PM83	25 ppm / n-Pentane 25% LEL / O2 19% / N2
U105325PM59	25 ppm / Methane 50% LEL / CO 100 ppm / O2 18% / N2	<u>11 liter aerosol</u>	
U105325PM60	25 ppm / Prop.Sim. 50% LEL (1.62% CH4) / CO 50 ppm / Air	<u>BUMP GAS</u>	
U105325PM64	25 ppm / Methane 50% LEL / CO 200 ppm / O2 20.9% / N2	A1053BG1	Bump Gas (H2S / CO / Methane (LEL) / O2)
U105325PM65	25 ppm / Methane 30% LEL (1.5%) / CO 95 ppm / O2 18% / N2	A1053BG2	Bump Gas (H2S / CO / Pentane (LEL) / O2)
U105325PM66	25 ppm / Propane 50% LEL (1.05%) / CO 50 PPM / O2 18% / N2	A1053BG3	Bump Gas (H2S / CO / Propane (LEL) / O2)
U105325PM67	25 ppm / Pentane 50% LEL / CO 100 ppm / Air	<u>ISOBUTYLENE</u>	
U105325PM68	25 ppm / Methane	<u>17 liter cylinders</u>	
		P105510PA	10 ppm / Air
		P105525PA	25 ppm / Air

Gas Specification

P105550PA	50 ppm / Air		Volume) / Air
P105575PA	75 ppm / Air		20% LEL (1.0% by Volume) / Air
P1055100PA	100 ppm / Air		40% LEL (2.0% by Volume) / Air
P1055500PA	500 ppm / Air		50% LEL (2.5% by Volume) / Air
P10551000PA	1000 ppm / Air		60% LEL (3.0% by Volume) / Air
<u>34 liter cylinders</u>			
H105510PA	10 ppm / Air		10% LEL / CO 35 ppm / O2 18% / N2
H105520PA	20 ppm / Air		29% LEL / O2 15% / N2
H105550PA	50 ppm / Air		50% LEL / CO 50 ppm / Air
H105575PA	75 ppm / Air		50% LEL / CO 200 ppm / O2 20% / N2
H1055100PA	100 ppm / Air		
<u>103 liter cylinders</u>			
J105510PA	10 ppm / Air		
J105520PA	20 ppm / Air		
J105525PA	25 ppm / Air		
J105550PA	50 ppm / Air		
J105575PA	75 ppm / Air		
J1055100PA	100 ppm / Air		
<u>METHANE (CH4)</u>			
<u>17 liter cylinders</u>			
P1971	99%		
P197110PA	10 ppm / Air		
P197150PA	50 ppm / Air		
P197175PA	75ppm / Air		
P197195PA	95 ppm / Air		
P1971100PA	100 ppm / Air		
	15% by Volume / CO2 15% by Volume / N2		
P197115VM1			
P197120VN	20% by volume / N2		
P197150VN	50% by Volume / N2		
	50% by Volume / CO2 35% by Volume / N2		
P197150VM2			
P197110LA	10% LEL (0.5% by		
P197120LA			
P197140LA			
P197150LA			
P197160LA			
P197110LM2			
P197129LM3			
P197150LM1			
P197150LM16			
<u>34 liter cylinders</u>			
H1971	99%		
H197120LA			
H19711.62VM4			
H197150LA			
H197150LM42			
H197150LM1			
H197150LM8			
H197150LM16			
<u>103 liter cylinders</u>			
J197110PA	10 ppm / Air		
J197150PA	50 ppm / Air		
J197195PA	95 ppm / Air		
J1971100PA	100 ppm / Air		
J1971200PA	200 ppm / Air		
J1971400PA	400 ppm / Air		

Gas Specification

J1971500PA	500 ppm / Air
J197110LA	10% LEL (0.5% by Volume) / Air
J197120LA	20% LEL (1.0% by Volume) / Air
J197125LA	25% LEL (1.25% by Volume) / Air
J197130LA	30% LEL (1.5% by Volume) / Air
J19711.62VM4	Prop. Sim. 50% LEL (1.62% CH4) / CO 50 ppm / Air
J19711.62VM1	Prop. Sim 50% LEL (1.62% CH4) / CO 50 ppm / O2 18% / N2
J197140LA	40% LEL (2.0% by Volume) / Air
J197150LA	50% LEL (2.5% by Volume) / Air
J19713VN	3% by Volume / N2
J197129LM2	29% LEL / CO 60 ppm / O2 15% / N2
J197129LM3	29% LEL / O2 15% / N2
J197150LM1	50% LEL / CO 50 ppm / Air
J197150LM2	50% LEL / CO 50 ppm / O2 19% / N2
J197150LM3	50% LEL / CO 50 ppm / O2 17% / N2
J197150LM42	50% LEL / CO 50 ppm / O2 12% / N2
J197150LM11	50% LEL / CO 100 ppm / O2 19% / N2
J197150LM32	50% LEL / CO 250 ppm / O2 17% / N2
<u>NITRIC OXIDE (NO)</u>	

<u>29 liter cylinders</u>	
F16605PN	5 ppm / N2
F166010PN	10 ppm / N2
F166025PN	25 ppm / N2
F166050PN	50 ppm / N2
F1660100PN	100 ppm / N2
<u>58 liter cylinders</u>	
Z16605PN	5 ppm / N2
Z166010PN	10 ppm / N2
Z166025PN	25 ppm / N2
Z166030PN	30 ppm / N2
Z166050PN	50 ppm / N2
Z166080PN	80 ppm / N2
Z1660100PN	100 ppm / N2
Z1660800PN	800 ppm / N2
<u>116 liter cylinders</u>	
INQUIRE	5-5000 ppm / N2
<u>NITROGEN (N2)</u>	
<u>17 liter cylinders</u>	
P1066	99.999%
<u>34 liter cylinders</u>	
H1066	99.999%
<u>103 liter cylinders</u>	
J1066	99.999%
<u>NITROGEN DIOXIDE (NO2)</u>	
<u>29 liter cylinders</u>	
F10675PA	5 ppm / Air

Gas Specification

F10675PN	5 ppm / N2
F106710PA	10 ppm / Air
F106710PN	10 ppm / N2
F106725PA	25 ppm / Air
F106725PN	25 ppm / N2
<u>58 liter cylinders</u>	
Z10675PA	5 ppm / Air
Z10675PN	5 ppm / N2
Z106710PA	10 ppm / Air
Z106710PN	10 ppm / N2
Z106725PA	25 ppm / Air
Z106725PN	25 ppm / N2
Z106730PA	30 ppm / Air
Z106730PN	30 ppm / N2
Z106750PA	50 ppm / Air
Z106750PN	50 ppm / N2
<u>116 liter cylinders</u>	
INQUIRE	5-2000 ppm / N2
<u>NITROUS OXIDE (N2O)</u>	
<u>17 liter cylinders</u>	
P107010PA	10 ppm / Air
P107025PA	25 ppm / Air
P1070500PA	500 ppm / Air
<u>34 liter cylinders</u>	
H107010PA	10 ppm / Air
H107025PA	25 ppm / Air
H1070500PA	500 ppm / Air
<u>103 liter cylinders</u>	
J107010PA	10 ppm / Air
J107025PA	25 ppm / Air
J1070500PA	500 ppm / Air

<u>OXYGEN (O2)</u>	
<u>17 liter cylinders</u>	
P1072.4VN	0.4% / N2
P10722VN	2.0% / N2
P10724VN	4.0% / N2
P10725VN	5.0% / N2
P10728VN	8.0% / N2
P107217VN	17.0% / N2
P107218VN	18.0% / N2
P107220.9VN	20.9% / N2
<u>34 liter cylinders</u>	
H1072.4VN	0.4% / N2
H10722VN	2.0% / N2
H10724VN	4.0% / N2
H10725VN	5.0% / N2
H10728VN	8.0% / N2
H107217VN	17.0% / N2
H107218VN	18.0% / N2
H107220.9VN	20.9% / N2
<u>103 liter cylinders</u>	
J1072.2VN	0.2% / N2
J1072.4VN	0.4% / N2
J1072.5VN	0.5% / N2
J10722VN	2.0% / N2
J10724VN	4.0% / N2
J10725VN	5.0% / N2
J10728VN	8.0% / N2
J107210VN	10.0% / N2
J107217VN	17.0% / N2
J107218VN	18.0% / N2
J107220.9VN	20.9% / N2
J107221VN	21.0% / N2
<u>PENTANE</u>	

Gas Specification

<u>17 liter cylinders</u>		F21991PN	1 ppm / N2
P126550LA	50% LEL / Air	F21995PN	5 ppm / N2
P126550LM2	50% LEL / O2 15% / N2	<u>58 liter cylinders</u>	
<u>34 liter cylinders</u>		Z2199.5PN	0.5 ppm / N2
H126510LA	10% LEL / Air	Z21991PN	1 ppm / N2
H126525LA	25% LEL / Air	Z21995PN	5 ppm / N2
H126525LM4	25% LEL / CO 100 ppm / O2 19% / N2	<u>116 liter cylinders</u>	
H126525LM7	25% LEL / O2 19% / N2	INQUIRE	0.5-5 ppm / N2
H126550LM2	50% LEL / O2 15% / N2	<u>PROPANE</u>	
<u>103 liter cylinders</u>		<u>17 liter cylinders</u>	
J126525LA	25% LEL / Air	P1978	99%
J126525LM4	25% LEL / CO 100 ppm / O2 19% / N2	P197830LA	30% LEL / Air (0.63% by Volume)
J126550LA	50% LEL / Air (TOP PRESSURE - 700 PSIG)	P197850LA	50% LEL / Air (1.05% by Volume)
J126550LM2	50% LEL / O2 15% / N2 (TOP PRESSURE - 700 PSIG)	<u>34 liter cylinders</u>	
		H197820LA	20% LEL / Air (0.42% by Volume)
		H197825LA	25% LEL / Air (0.525% by Volume)
		H197830LA	30% LEL / Air (0.63% by Volume)
		H197850LA	50% LEL / Air (1.05% by Volume)
		<u>103 liter cylinders</u>	
		J197820LA	20% LEL / Air (0.42% by Volume)
		J197825LA	25% LEL / Air (0.525% by Volume)
		J197830LA	30% LEL / Air (0.63% by Volume)
<u>PHOSPHINE (PH3)</u>		J197830LM1	30% LEL / CO 60 ppm / O2 15% / N2
<u>29 liter cylinders</u>		J197850LA	50% LEL / Air
F2199.5PN	0.5 ppm / N2		

Shelf life

Components	Conc.	Balance	Disposable	
	Range	Gas	Alum	Steel
Air	Pure (all grades)		36	36
Ammonia	≥ 10ppm	Any	12	n/a
Argon	Any	Any	36	36
	Pure (all grades)		36	36
Benzene	≥ 1ppm	Any	24	24
	< 1ppm	Any	12	n/a
Bump Gases, Reactive	Any	Any	6*	n/a
Bump Gases, Non-Reactive	Any	Any	12*	n/a
Butane, n	≥ 1ppm	Any	36	36
	< 1ppm	Any	12	n/a
Butane, iso	≥ 1ppm	Any	36	36
	< 1ppm	Any	12	n/a
Carbon Dioxide	≥ 10ppm	Any	36	36
	< 10ppm	Any	24	36
	Pure (all grades)		36	36
Carbon Monoxide	≥ 8ppm	Inert	36	36
	< 8ppm	Inert	12	12
	Pure (all grades)		36	36
Chlorine	10ppm	N ₂	9	n/a
	< 10ppm	N ₂	6	n/a
Ethane	≥ 1ppm	Any	36	36
	< 1ppm	Any	12	n/a
	Pure (all grades)		36	36
Ethylene	≥ 1ppm	Any	36	36
	< 1ppm	Any	12	n/a
	Pure (all grades)		36	36
Ethylene Oxide	> 10ppm	Any	6	n/r
Ethyl Benzene	≥ 1ppm	Any	24	24
	< 1ppm	Any	12	n/a
Helium	any	Any	36	36
	Pure (all grades)		36	36
Hexane, n	≥ 1ppm	Any	36	36
	< 1ppm	Any	12	n/a
Hydrocarbons	≥ 1ppm	Any	24	24
(Aromatic)	< 1ppm	Any	12	n/a

Hydrocarbons	≥ 1ppm	Any	36	36
(Aliphatic)	< 1ppm	Any	12	n/a
Hydrocarbons	≥ 1ppm	Any	36	36
(Chlorinated)	< 1ppm	Any	12	n/a
Hydrogen	> 10ppm	Any	36	36
	Pure (all grades)		36	36
Hydrogen Chloride	5-10ppm	N ₂	6	n/a
Hydrogen Cyanide	5-20ppm	N ₂	6	n/a
Hydrogen Sulfide	≥ 5ppm	Air	12	n/a
	> 5ppm	Inert	12	n/a
	< 5ppm	Inert	6	n/a
Methane	≥ 1ppm	Any	36	36
	< 1ppm	Any	12	n/a
	Pure (all grades)		36	36
Nitric Oxide	≥ 4ppm	Inert	12	n/a
	< 4ppm	Inert	6	n/a
Nitrogen	any	Any	36	36
	Pure (all grades)		36	36
Nitrogen Dioxide	> 5ppm	Any	12	n/a
Nitrous Oxide	> 1ppm	Any	36	36
Oxygen	≥ 10ppm	Any	36	36
	< 10ppm	Any	24	24
	Pure (all grades)		36	36
Pentane, iso	≥ 1ppm	Any	36	36
	< 1ppm	Any	12	n/a
Pentane, n	≥ 1ppm	Any	36	36
	< 1ppm	Any	12	n/a
Phosphine	0.5-5 ppm	N ₂	12	n/a
Propane	≥ 1ppm	Any	36	36
	< 1ppm	Any	12	n/a
	Pure (all grades)		36	36
Refrigerant	≥ 1ppm	Any	36	36
Gases (Freon)	< 1ppm	Any	12	n/a
Sulfur Dioxide	> 500ppm	Any	36	n/a
	10-499ppm	Any	24	n/a
	< 10ppm	Any	12	n/a
Toluene	≥ 1ppm	Any	24	24
	< 1ppm	Any	12	n/a
Vinyl Chloride	Any	Inert	6	n/r

	Any	Air	6	n/a
Xylene(s)	≥ 1 ppm	Any	24	24
	< 1 ppm	Any	12	n/a

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