

Section A – Introduction and Ordering

Terms and Conditions	A2
<i>Praxair Express</i> SM and <i>AccuStar</i> SM Services	A3
The Markets We Serve	A4-A5
Specialty Gas Delivery Systems	A6
Gas Handling Equipment	A7
International Production Facilities	A8
Regional Customer Service Centers	A9

Section B – Cylinders and Containers

Cross Reference Chart	B
Ultra High Pressure Steel	B1
High Pressure Steel - Large Capacity	B1
High Pressure Steel - Small Capacity	B2
High Pressure Aluminum	B3
Low Pressure Steel	B4
Low Pressure Steel & SS Drums	B5
Liquid Helium Containers	B6
Cryogenic Containers	B7
Microbulk	B8-B9

Section C – Pure Gases

Acetylene	C1
Air	C2-C3
Ammonia	C4-C5
Argon	C6-C7
Arsine	C8
Boron Trichloride	C9
Boron Trifluoride	C10
1,3 Butadiene	C11
n-Butane	C12
1-Butene	C13
Carbon Dioxide	C14-C15
Carbon Monoxide	C16
Chlorine	C17
Deuterium	C18
Dichlorosilane	C19
Disilane	C20
Ethane	C21
Ethylene	C22
Halocarbon 14	C23
Halocarbon 22	C24
Halocarbon 23	C25
Halocarbon 116	C26
Halocarbon 134A	C27
Halocarbon 218	C28
Halocarbon C318	C29
Helium	C30-31
Hydrogen	C32-33
Hydrogen Bromide	C34
Hydrogen Chloride	C35
Hydrogen Sulfide	C36
Isobutane	C37
Isobutylene	C38
Krypton	C39
Methane	C40
Methyl Chloride	C41
Neon	C42
Nitric Oxide	C43
Nitrogen	C44-C45
Nitrogen Dioxide	C47

Section C – Pure Gases, continued

Nitrogen Trifluoride	C48
Nitrous Oxide	C49
Oxygen	C50-C51
Phosphine	C52
Propane	C53
Propylene	C54
Silane	C55-C56
Silicon Tetrachloride	C57
Sulfur Dioxide	C58
Sulfur Hexafluoride	C59
Trichlorosilane	C60
Tungsten Hexafluoride	C61
Xenon	C62
Cryogenic Liquids	C63-C7
Argon	C63
Carbon Dioxide	C64
Helium	C65
Nitrogen	C66
Oxygen	C67

Section D – Gas Mixtures

Mixture Selection Guide	D1-D2
Behind the Scenes	D3-D4
Grade Specifications	D5
Minor Mixture Components	D6
Acetylene	D7
Ammonia	D8
Argon	D9-D10
Benzene	D11
n-Butane	D12-D13
Carbon Dioxide	D14-D15
Carbon Monoxide	D16-D18
Carbonyl Sulfide	D19
Dimethyl Disulfide	D20
Dimethyl Sulfide	D21
Ethane	D22
Ethanol	D23
Ethylene	D24
Ethylene Oxide	D25
Halocarbon-12	D26
Halocarbon-22	D27
Helium	D28
Hexane	D29
Hydrogen	D30-D31
Hydrogen Sulfide	D32-D34
Isobutane	D35
Isobutylene	D36
Krypton	D37
Methane	D38-D40
Methanol	D41
Neon	D42
Nitric Oxide	D43
Nitrogen	D44
Nitrogen Dioxide	D45
Nitrous Oxide	D46-D47
Oxygen	D48-D49
Pentane	D50
Propylene	D53-D54
Sulfur Dioxide	D55-D56
Propane	D51-D52
Sulfur Hexafluoride	D57-D58

Section D – Gas Mixtures, continued

Toluene	D59
Vinyl Chloride	D60
Xenon	D61

Section E – Products for Special Applications

Analytical Instrumentation	E1-E5
Instrument Reference Guide	E2-E2
Environmental Monitoring	E6-E11
Product Summary	E7
NTRM-EPA Protocols	E8
Other Mixture Grades	E9
Certification Periods	E10
Mobile Source Emissions	E11
Hydrocarbon Processing	E12-E15
Refining	E13
Natural Gas	E14
Petrochemical	E15
Industrial Hygiene	E16-E18
Transportable Containers	E16
Reactive Gas Mixtures	E17
Non-Reactive Gas Mixtures	E18
Metal Fabrication	E19-E21
LaserStar 5.5 and 5.0	E20-21
Life Sciences	E22-E23
Healthcare	E24-E28
Medical Gases	E24-E26
Medical Mixtures	E27-E28
Sterilants	E29-E30
Food Gases – Extendapak	E31-E34
Semiconductor	E35-E37

Section F – Gas Handling Equipment

Regulators	F2-F36
Gas Delivery Systems	F37-F57
Flow Devices	F58-F73
Gas Generation Systems	F74-F80
Purifiers/Filters	F81-F-90
Cryogenic Products	F91-F112
Accessories	F113-F123
Gas Detection Systems	F124-F134
Safety Apparatus	F135-137

Section G – Safety Information

Material Safety Data Sheets	G1
Moving/Storing Cylinders and Containers	G2
Safety Product Categories	G3-G4
Opening and Closing Valves	G5

Section H – Technical Information

Materials Compatibility	H1-H5
Conversion Factors	H6-H8
Dew Point	H9
Miscellaneous Physical Constants	H10
Physical Properties of Gases	H11-H15
CGA Connections	H16-H18
Abbreviations and Symbols	H19-H20
Glossary	H21-24

