

HYDROGEN SULFIDE H₂S

A colorless, flammable, toxic gas with the odor of rotten eggs. Shipped as a liquid under its own vapor pressure

CHEMICALLY PURE

2.5 Min. Purity 99.5%

(Liquid Phase)

N₂ < 500 ppm

CO₂ < 500 ppm

H₂O < 500 ppm

THC < 3000 ppm

CYLINDER SIZE	CONTENTS (lbs/kg)	PRESSURE PSIG	PRODUCT CODE	CGA
200	60/27.2	252	1083-200	330
80	20/9.06	252	1083-80	330
35	9/4.08	252	1083-35	330
10	3/1.35	252	1083-10	330
LB	0.5/0.227	252	1083-LB	180

TECHNICAL

2.0 Min. Purity 99.0%

(Liquid Phase)

TECHNICAL INFORMATION

Molecular Weight	34.08
Specific Volume of Gas	11.2CF/lb, .070m ³ /kg
Flammability Limits	4.0 - 44% in Air
DOT Name	Hydrogen Sulfide, Liquefied
ID No.	UN1053
DOT Class	2.3
DOT Label	Inhalation Hazard, Flammable Gas
CAS Registry	7783-06-4

CYLINDER SIZE	CONTENTS (lbs/kg)	PRESSURE PSIG	PRODUCT CODE	CGA
200	60/27.2	252	1084-200	330
80	20/9.06	252	1084-80	330
35	9/4.08	252	1084-35	330
10	3/1.35	252	1084-10	330
LB	0.5/0.227	252	1084-LB	180

RECOMMENDED EQUIPMENT	MODEL	PAGE
REGULATORS:		
Single Stage	S220, S450	185, 183
LB	S960	189
Cross Purge	S503	269
Control Valve	S402	248
LB Control	S411	248

ISOBUTANE C₄H₁₀

See page 20

ISOBUTYLENE C₄H₈

See page 22

KRYPTON Kr

A colorless, odorless, inert, rare gas

SCIENTIFIC - HALOGEN FREE

5.0 Min. Purity 99.999% N₂ < 4 ppm

O₂ < 0.5 ppm

Xe < 3 ppm

H₂O < 1 ppm

THC < 0.5 ppm

Ar < 0.5 ppm

N₂ < 4 ppm

CO + CO₂ < 0.5 ppm

CF₄ < 0.1 ppm

TECHNICAL INFORMATION

Molecular Weight	83.80
Specific Volume of Gas	4.604CF/lb, 0.287m ³ /kg
Flammability Limits	Nonflammable
DOT Name	Krypton, Compressed
ID No.	UN1056
DOT Class	2.2
DOT Label	Nonflammable Gas
CAS Registry	7439-90-0

CYLINDER SIZE	CONTENTS (ft)	PRESSURE PSIG	PRODUCT CODE	CGA
200	5000	1400	1089-200	580
80	1000	725	1089-80	580
35	500	825	1089-35	580
LX	50	1325	1089-LX	580

RECOMMENDED EQUIPMENT	MODEL	PAGE
REGULATORS:		
Single Stage	S300	175
Two Stage	S320	176
Tee Purge	S502	269

KRYPTON Kr (cont.)

A colorless, odorless, inert, rare gas

ULTRA HIGH PURITY

4.8 Min. Purity 99.998% N₂ < 4 ppm
 O₂ < 2 ppm Xe < 5 ppm
 H₂O < 2 ppm THC < 1 ppm
 N₂ < 8 ppm

CYLINDER SIZE	CONTENTS (lt)	PRESSURE PSIG	PRODUCT CODE	CGA
200	5000	1400	4263-200	580
80	1000	725	4263-80	580
35	500	825	4263-35	580
LX	50	1325	4263-LX	580

RECOMMENDED EQUIPMENT	MODEL	PAGE
REGULATORS:		
Single Stage	S300	175
Two Stage	S320	176
Tee Purge	S502	269

TECHNICAL INFORMATION

Molecular Weight	83.80
Specific Volume of Gas	4.604CF/lb, 0.287m ³ /kg
Flammability Limits	Nonflammable
DOT Name	Krypton, Compressed
ID No.	UN1056
DOT Class	2.2
DOT Label	Nonflammable Gas
CAS Registry	7439-90-0

METHANE CH₄

A colorless, odorless, tasteless, flammable gas

SCIENTIFIC

5.5 Min. Purity 99.9995%
 O₂ < 0.5 ppm CO₂ < 0.1 ppm
 N₂ < 2 ppm H₂O < 2 ppm
 H₂ < 0.1 ppm Other HC < 0.1 ppm

CYLINDER SIZE	CONTENTS (lt)	PRESSURE PSIG	PRODUCT CODE	CGA
DX1	125	1764	1144-DX1	350
DX2	60	882	1144-DX2	350

RECOMMENDED EQUIPMENT	MODEL	PAGE
REGULATORS:		
Single Stage	S300	175
Two Stage	S320	176
LB	S960	189

TECHNICAL INFORMATION

Molecular Weight	16.04
Specific Volume of Gas	23.61CF/lb, 1.474m ³ /kg
Flammability Limits	5.0 - 15.0% in Air
DOT Name	Methane, Compressed
ID No.	UN1971
DOT Class	2.1
DOT Label	Flammable Gas
CAS Registry	74-82-8

NEON Ne

A colorless, odorless, inert gas

SCIENTIFIC

5.0 Min. Purity 99.999%

O₂ < 0.5 ppm THC < 0.5 ppm
 N₂ < 2 ppm He < 5 ppm
 H₂O < 1 ppm CO + CO₂ < 0.5 ppm

CYLINDER SIZE	CONTENTS (lb)	PRESSURE PSIG	PRODUCT CODE	CGA
300	7500	2400	1099-300	580
200	6000	2200	1099-200	580
80	1000	860	1099-80	580
35	500	1000	1099-35	580
LX	25	820	1099-LX	580

RECOMMENDED EQUIPMENT	MODEL	PAGE
REGULATORS:		
Single Stage	S300	175
Two Stage	S320	176
LB	S960	189

ULTRA HIGH PURITY

4.5

Min. Purity 99.995%

O₂ < 1 ppm THC < 0.5 ppm
 N₂ < 4 ppm He < 30 ppm
 H₂O < 1 ppm CO + CO₂ < 0.5 ppm

CYLINDER SIZE	CONTENTS (lb)	PRESSURE PSIG	PRODUCT CODE	CGA
300	7500	2400	1100-300	580
200	6000	2200	1100-200	580
80	1000	860	1100-80	580
35	500	1000	1100-35	580
LX	25	820	1100-LX	580

RECOMMENDED EQUIPMENT	MODEL	PAGE
REGULATORS:		
Single Stage	S315	177
Two Stage	S325	178
LB	S900	190

TECHNICAL INFORMATION

Molecular Weight	20.18
Specific Volume of Gas	19.18CF/lb, 1.197m ³ /kg
Flammability Limits	Nonflammable
DOT Name	Neon, Compressed
ID No.	UN1065
DOT Class	2.2
DOT Label	Nonflammable Gas
CAS Registry	7440-01-9

XENON Xe

A colorless, odorless, nontoxic, inert gas

SCIENTIFIC - HALOGEN FREE

5.0 Min. Purity 99.999%

O ₂ < 0.5 ppm	N ₂ < 4 ppm
H ₂ O < 1 ppm	THC < 0.5 ppm
Kr < 3 ppm	Ar < 0.5 ppm
CO + CO ₂ < 0.5 ppm	CF ₄ < 0.1 ppm

CYLINDER SIZE	CONTENTS (lt)	PRESSURE PSIG	PRODUCT CODE	CGA
200	5000	900	1141-200	580
80	2500	930	1141-80	580
80	1000	680	1141-80	580
35	500	680	1141-35	580
LX	50	900	1141-LX50	580
LX	25	680	1141-LX25	580

RECOMMENDED EQUIPMENT	MODEL	PAGE
REGULATORS:		
Single Stage	S315	177
Two Stage	S325	178

TECHNICAL INFORMATION

Molecular Weight	131.3
Specific Volume of Gas	2.927CF/lb, 0.183m ³ /kg
Flammability Limits	Nonflammable
DOT Name	Xenon, Compressed
ID No.	UN2036
DOT Class	2.2
DOT Label	Nonflammable Gas
CAS Registry	7440-63-3



Series S325
High Purity Brass -
Two Stage Regulator