

Scientific & Technical Gases

DataSheet for High Purity Gases

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Data sheet - High Purity Gases 1

We supply high purity Carrier gases up to >99.9999% pure.

A huge range of Hydrocarbon gases, Chemical gases, Halocarbons, Rare gases and many other gases for research and industry.

These gases can be supplied in small disposable containers or lecture bottles and in a large range of high pressure options up to shoulder high 1670mm high cylinders, up to 200 bar in pressure.

Bulk containers of certain gases are available on request



Data sheet - High Purity Gases 2

Table of Gases

Acetylene	Ethane	Methyl Mercaptan
Air	Ethyl Acetylene	Mono Ethylamine
Allene	Ethyl Chloride	Mono Methylamine
Ammonia	Ethylene	Neon
Argon	Ethylene Oxide	Nitric Oxide
Boron Trichloride and Fluoride	Fluorine	Nitrogen
Bromomethane	Helium	Nitrogen Dioxide
Butane	Hydrogen	Nitrous Oxide
Butene 1	Hydrogen Bromide	Oxygen
Butene Cis 2	Hydrogen Chloride	Phosgene
Butene Trans 2	Hydrogen Sulphide	Propane
1;3 Butadiene	Hydrogen Iodide	Propylene
Carbon Dioxide	Hydrogen Fluoride	R - see Halocarbons
Carbon Monoxide	Halocarbons**	Sulphur Hexafluoride
Carbonyl Sulphide	Krypton	Sulphur Dioxide
Chlorine	Methane	Trimethylamine
Cyanogen Chloride	Iso Butane	Vinyl Bromide
Cyclopropane	Iso Butylene	Vinyl Chloride
Deuterium	Methyl Acetylene	Xenon
Dimethylamine	Methyl Bromide	
Dimethyl Ether	Methyl Chloride	

R - Numbers are under Halocarbons** Please specify name and formula.

Data sheet - High Purity Gases 3

Cylinder Range

Cylinder Type	Height mm	Diameter mm	Weight Kg
110Lt	1020	380	36
45Lt	680	315	20
11Lt	360	265	9
50Al	1550	250	57
50St	1520	230	70
20Al	990	200	25
20St	835	200	28
10Al	700	175	14
10St	690	160	14
10St	840	140	14
5Al	505	150	8
5St	480	140	9
3Al	510	110	5
3St	440	115	6
LB	310	50	1.5



The above are the commonly stocked sizes, and various others are available on request.

Cylinder heights are to centre of outlet valve add 100mm for total absolute height with guard or cap

The above weights are cylinder and valve without contents.

We supply the worldwide market so we can supply BS, DIN and CGA cylinder valves and connections

Data sheet - High Purity Gases 4

Lecture Bottles



These are a specific container that historically have been used for research purposes.

A lecture bottle is traditionally a cylinder of 0.4 litres water capacity, 310 mm long by 50 mm diameter, and it may contain any of the gases listed in the table on page 2 of this DataSheet

