

Carbon Dioxide



High purity carbon dioxide is produced from lower purity material by a combination of purification techniques including molecular sieve and cryogenic fractional distillation.

Standard Specifications

PURITY / ASSAY	5.0	5.5*
IMPURITIES (MOL %)	99.999%	99.9995%
Nitrogen	< 5	< 5
Oxygen	< 1	< 1
Argon	NS	< 0.1
Carbon Monoxide	< 0.1	< 0.1
Hydrogen	< 1	NS
THC (C1 - C6)	< 0.5	< 0.5
THC (C7 - C26)	NS	< 10 ppb
Moisture ***	< 2	< 1
Halocarbons	NS	< 1
Total Impurities	< 10	< 5

* N5.5 purities only available in H46A and H29A.

** NS - not specified.

*** Moisture Specification only guaranteed if cylinders prepared by AGT International.

Standard Cylinder Sizes and Fill Volumes

CYLINDER INFORMATION

CYLINDER SIZE	FILL VOLUME (KG)
H49	33.1
H46A	28.0
H44	29.7
H29A	17.7

* Fill volumes are nominal for 2400 psi cylinders. Under US law carbon monoxide may be filled into steel cylinders at 5/6 of working pressure or 2000 psi whichever is lower. For aluminium cylinders, cylinders may be filled to full maximum working pressure.

Technical Information

TECHNICAL DATA		SHIPPING INFORMATION	
Molecular Weight (g/mol)	44.01	Shipping Name	Carbon Dioxide
Liquid Density (kg/m³)	1,256	Hazard Class	2.2
Gas Density (kg/m³)	2.813	UN No.	UN 1013
Boiling Point (0^c)	-78.45	Hazard Label	Non - Flammable Gas
Specific Volume (m³/kg)	0.553	CAS No.	124-38-9
Vapour Pressure (bar.a)	51.6		
Valve Outlet	CGA 350 / BS 8		

AGT INTERNATIONAL
AGT International provides businesses with Shorter lead times, Higher Inventory Levels, Guaranteed Quality and Lower Costs.

PRODUCTS
AGT International supplies a comprehensive range of hydrocarbon gases and liquids and associated special gases.

CYLINDERS
AGT International has a wide range of cylinders and bulk containers available for either purchase or rent as well as being able to fill customer owned cylinders.

CONTACT
Please contact us if the specification you require is not shown above. AGT International is able to custom manufacture different specifications according to your requirements.
<http://www.agti.biz/>