

## Carbon Monoxide

CO

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

### Standard Specifications

PURITY / ASSAY	2.5	3.0	4.0*	4.7	5.0
<b>IMPURITIES (MOL %)</b>	<b>99.5%</b>	<b>99.9%</b>	<b>99.99%</b>	<b>99.997%</b>	<b>99.999%</b>
<b>Nitrogen / Argon</b>	< 4500	< 900	< 80	< 20	< 5
<b>Oxygen</b>	< 10	< 10	< 5	< 3	< 2
<b>Carbon Dioxide</b>	< 100	< 50	< 10	< 5	< 2
<b>Methane</b>	< 100	< 50	< 10	< 5	< 2
<b>Moisture**</b>	< 5	< 5	< 4	< 3	< 2
<b>Total Impurities</b>	< 5,000	< 1,000	< 100	< 30	< 10

\* Specification only guaranteed if filled into aluminium cylinders

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

### Standard Cylinder Sizes and Fill Volumes

#### CYLINDER INFORMATION

CYLINDER SIZE	FILL VOLUME (KG)
H49	6.71
H46A	6.3
H44	6.0
H16	2.2
H7	1.0

\* 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

<b>Molecular Weight (g/mol)</b>	28.01
<b>Liquid Density (kg/m<sup>3</sup>)</b>	788.6
<b>Gas Density (kg/m<sup>3</sup>)</b>	4.355
<b>Boiling Point (0<sup>c</sup>)</b>	.191.6
<b>Specific Volume (m<sup>3</sup>/kg)</b>	0.862
<b>Vapour Pressure (bar.a)</b>	N/A
<b>Valve Outlet</b>	CGA 350 / BS 4

#### SHIPPING INFORMATION

<b>Shipping Name</b>	Carbon monoxide, compressed
<b>Hazard Class</b>	2.3
<b>UN No.</b>	UN 1016
<b>Hazard Label</b>	Flammable Gas, Toxic gas
<b>CAS No.</b>	630-08-0

**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/>