

## Specific Weight of Technical Gases

Gas	Specific Weight (kg/Nm <sup>3</sup> )
Acetylene (ethyne) - C <sub>2</sub> H <sub>2</sub>	0.90
<b>Air (ISO Conditions)</b>	<b>1.000</b>
Ammonia - NH <sub>3</sub>	0.59
Argon - Ar	1.38
Arsine	2.69
Benzene - C <sub>6</sub> H <sub>6</sub>	2.6961
Blast Furnace gas	1.02
Butadiene - C <sub>4</sub> H <sub>6</sub>	1.87
Butane - C <sub>4</sub> H <sub>10</sub>	2.0061
1-Butene (Butylene)- C <sub>4</sub> H <sub>8</sub>	1.94
Isobutene - C <sub>4</sub> H <sub>8</sub>	1.94
<b>Carbon dioxide - CO<sub>2</sub></b>	<b>1.5189</b>
Carbon monoxide - CO	0.9667
Carbureted Water Gas	0.63
Chlorine - Cl <sub>2</sub>	2.486
Coke Oven Gas	0.44
Cyclobutane	1.938
Cyclopentane	2.422
Cyclopropane	1.451
Decane	4.915
Deutrium - D <sub>2</sub>	0.070
Digestive Gas (Sewage or Biogas)	0.8
Ethane - C <sub>2</sub> H <sub>6</sub>	1.0378
Ethyl Chloride - C <sub>2</sub> H <sub>5</sub> Cl	2.23
Ethylene (Ethene) - C <sub>2</sub> H <sub>4</sub>	0.9683
Fluorine	1.31
Helium - He	0.138
Heptanes	3.459
Hexane	2.973
Hydrogen	0.0696
Hydrogen chloride - HCl	1.268
Hydrogen sulfide - H <sub>2</sub> S	1.1763
Isobutane	2.01
Isopentane	2.48
Krypton	2.89
Methane - CH <sub>4</sub>	0.5537
Methyl Chloride	1.74
Natural Gas (typical)	0.60 - 0.70
Neon	0.697
Nitric oxide - NO	1.037
Nitrogen - N <sub>2</sub> (pure)	0.9669
Nitrogen - N <sub>2</sub> (atmospheric)	0.9723
Nitrous oxide - N <sub>2</sub> O	1.530
Nonane	4.428
Octane	3.944
Oxygen - O <sub>2</sub>	1.1044
Ozone	1.660
Pentane	2.487
Phosgene	1.39
Propane - C <sub>3</sub> H <sub>8</sub>	1.5219
Propene (Propylene) - C <sub>3</sub> H <sub>6</sub>	1.4523
Sasol	0.42
Silane	1.11
Sulfur Dioxide - SO <sub>2</sub>	2.264
Toluene-Methylbenzene	3.1082
Water Gas (bituminous)	0.71
Water Vapor	0.6218
Xenon	4.53