

**SPECIFIC HEATS — GASES AND VAPORS**

<b>MATERIAL</b>	<b>AVERAGE SPECIFIC HEAT CONSTANT PRESSURE BTU/LB.-°F</b>	<b>WEIGHT IN LBS. PER CUBIC FT. AT APPROX. 70F AND ATMOSPHERIC PRESSURE</b>	<b>KILOGRAMS PER CU.M.</b>
Acetylene	0.35	0.073	1.17
Air	0.237	0.08	1.28
Alcohol	0.453	—	—
Ammonia	0.52	0.048	0.79
Carbon Dioxide	0.203	0.123	1.97
Carbon Monoxide	0.243	0.078	1.25
Chlorine	0.125	0.2	3.2
Hydrochloric Acid	0.195	0.102	1.63
Hydrogen	3.41	0.0056	0.09
Methane	0.6	0.0447	0.72
Nitrogen	0.245	0.078	1.25
Oxygen	0.218	0.09	1.44
Sulfur Dioxide	0.155	0.179	2.87