TABLE 45-Q

SPECIFIC GRAVITY OF GASES AND LIQUIDS

(Gases at 32 F. air = 1.000, liquids water = 1 000)

Gas	Sp Gr	Gas	Sp Gr	Gas	Sp Gr
Air	1 000	Ether vapor	2 586	Methane	0 554
Acetylene	0.920	Ethylene	0 967	Nitrogen	0 971
Ethyl alcohol vapor	1.601	Helium	0 138	Nitric oxide	1 039
Ammonia	0 592	Hydrogen fluoride	2 370	Nitrous oxide	1 527
Carbon dioxide	1 520	Hydrogen chloride	1 261	Oxygen	1.106
Carbon monoxide	0 967	Hydrogen	0 069	Propane	1 554
Chlorine	2 423	Mercury vapor	6 940	Sulfur dioxide	2 250
Ethane	1 049	Marsh gas	0 555	Water vapor	0 623

1 cu ft of air at 32 F and atmospheric pressure weighs 0 0807 pound

Liquid	Sp Gr	Liquid	Sp Gr	Liquid	Sp Gr
Acetic acid	1 06	Fluoric acid	1 50	Palm oil	0 97
Alcohol, commercial	0 83	Gasoline	0 70	Petroleum oil	0 82
Ammonia	0 77	Glycerin	1 26	Phosphoric acid	1 78
Benzene	0 88	Kerosine	0 80	Rape oil	0 92
Bromine	2 97	Linseed oil	0 94	Vinegar	1 08
Carbolic acid	0 96	Mineral oil	0 92	Water	1 00
Carbon disulfide	1 26	Naphtha	0 76	Whale oil	0 92
Cotton-seed oil	0 93	Olive oil	0 92		

1 cu ft of water at 4 C weighs 62.43 pounds

Mainly from *Machinery's Handbook*, 16th ed (The Industrial Press)