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The form of the perfect gas equation normally used in gas dynamics is  $p = RT$  (1.13) where  $p$  absolute pressure lbf/ft<sup>2</sup> or N/m<sup>2</sup> density lbf/ft<sup>3</sup> or kg/m<sup>3</sup>  $T$  absolute temperature R or K  $R$  individual gas constant ft-lbf/lbm-R or N m/kg K The individual gas constant is found in the English Engineering system by dividing 1545 by the molecular mass of the gas chemical constituents.

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