
Determination of pressure fluctuations in gas cavity of sealed volumes of transportation-fueling containers for propellants at temperature exposure

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The article justifies the possibility of ideal gas model application for determining the gas state parameters in the gas bags of transportation-fueling container volumes. The second virial coefficients and the estimated values of the compressibility factor for the used gases are used in the model. The article presents the technique for calculating gas-vapor mixture pressure in a sealed volume, calculation example and advice on the practical application of the proposed method.

Keywords: *propellant components, sealed volume, gas-vapor mixture, pressure, transportation, propellant gassing, propellant quality.*

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