

## Measurement of Isobaric Heat Capacity of R 125

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The specific isobaric heat capacity ( $c_p$ ) was measured for R 125 (pentafluoroethane) in the gas phase. Twelve measurements for R 125 were obtained at temperatures from 313 to 333 K and at pressures from 0.8 to 2.4 MPa. Some of them are close to the saturation curve. The expanded uncertainty ( $k=2$ ) of the temperature measurements is estimated to be less 23 mK, and that of the pressure measurements is less 14 kPa. The expanded uncertainty for  $c_p$  is estimated to range from 12 to 22 J·kg<sup>-1</sup>·K<sup>-1</sup>. Also, the experimental data were evaluated with available equations of state.