## Pressure in a cylinder following combustion



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Assuming that combustion has taken place the number of moles increases by a factor of 1.36 . Including the $N_{2}$, the number of moles is 0.0011 and the temperature is 1200 K . What is the pressure inside the piston (assume the volume is constant at the initial $\mathrm{V}=0.02 \mathrm{~L}$ )?

