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Solution: $Hg : L = 1 \text{ m}; \rho = 13\,580 \text{ kg/m}^3$ from Table A.4 (or read Fig 2.7) The pressure difference ΔP balances the column of height L so from Eq.2.2 $\Delta P = \rho g L = 13\,580 \text{ kg/m}^3 \times 9.80665 \text{ m/s}^2 \times 1.0 \text{ m} \times 10^{-3} \text{ kPa/Pa} = 133.2 \text{ kPa}$ Sonntag, Borgnakke and van Wylen 2.14 You dive 5 m down in the ocean.

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Apologetics Press - "The Laws of Thermodynamics Don't ...
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