Sedimentation Example 1

- > Estimate the settling velocity of sand ($\rho_p = 2,650 \ kg/m^3$) with a mean particle diameter of 0.21 mm.
- > Assume the sand is approximately spherical.
- Using a safety factor of 1.4 to account for inlet and outlet losses, estimate the area required for a chamber to remove the sand if the flowrate is 0.10 m³/sec (1,000 *liters* = 1 m³).



