

Fluid Mechanics Problems And Solutions

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Momentum Equation 4/1 Calculate the horizontal force acting on the conical part of the pipe! $q = 3.5 \text{ m}^3/\text{min}$ $V =$ Friction losses are negligible. 4/2 $v_1 = 30 \text{ m/s}$ $u = 13 \text{ m/s}$ Friction losses are negligible. a) $v_2 = ?$ []m/s b) Calculate the angle of deviation β []° (angle between v_1 and v_2)! c) Determine the force acting on the blade! d) How is the kinetic energy of 1kg water changing ...

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