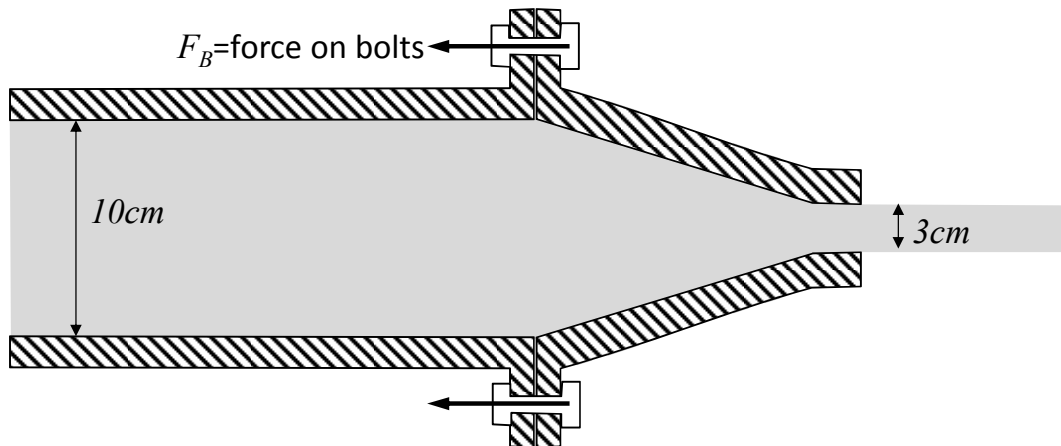


FLUIDS I

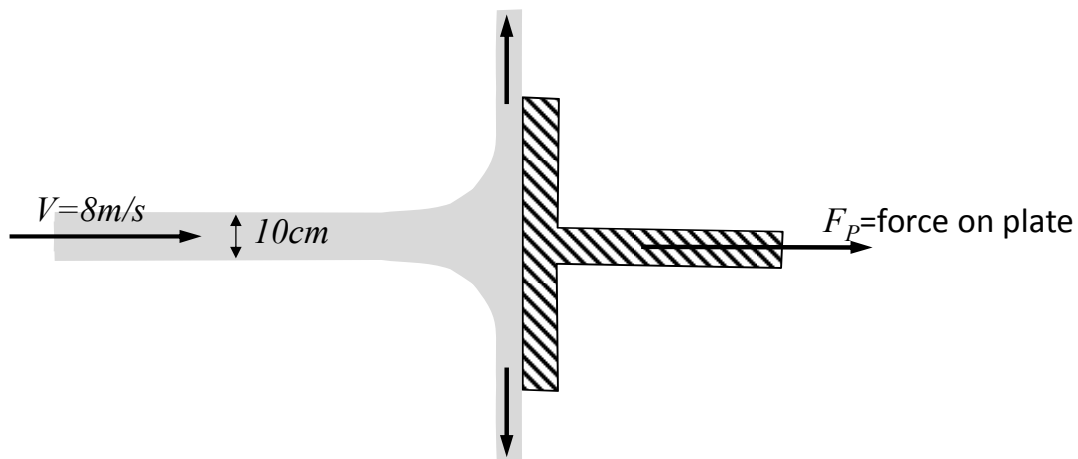
Example sheet 4: Control Volume Analysis

Hints 1: Diagrams

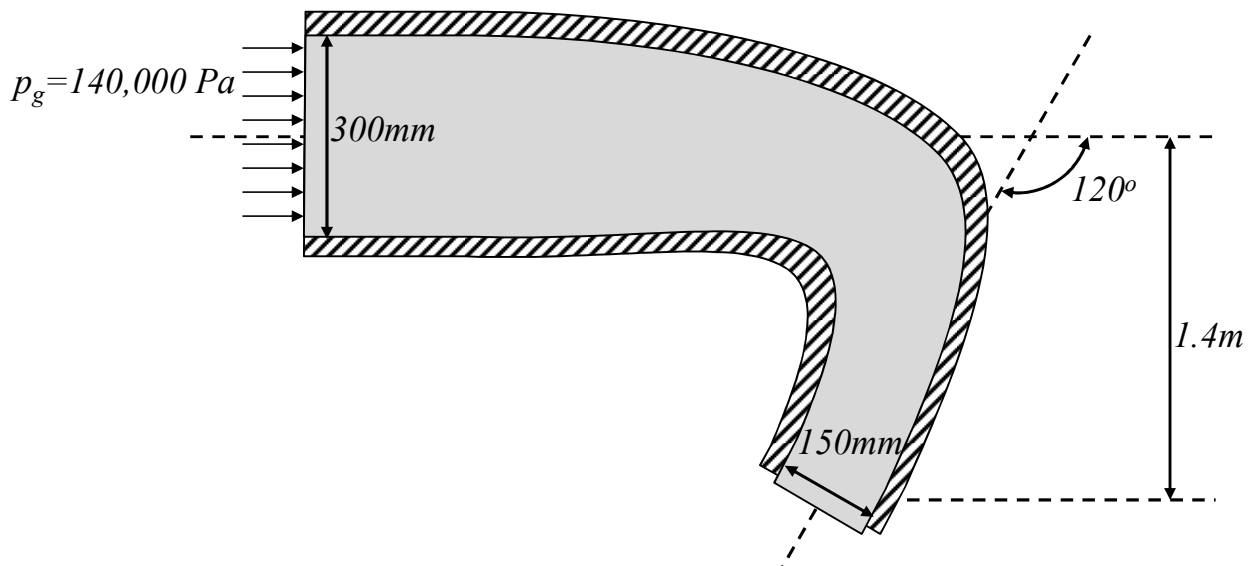
Q1



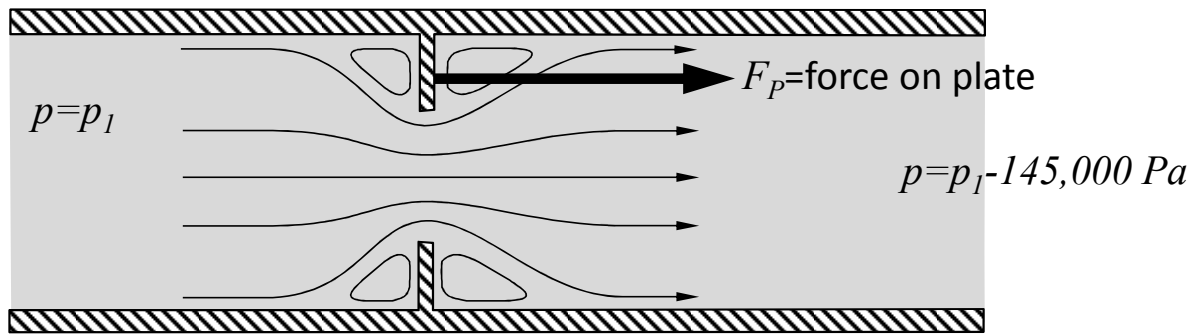
Q2



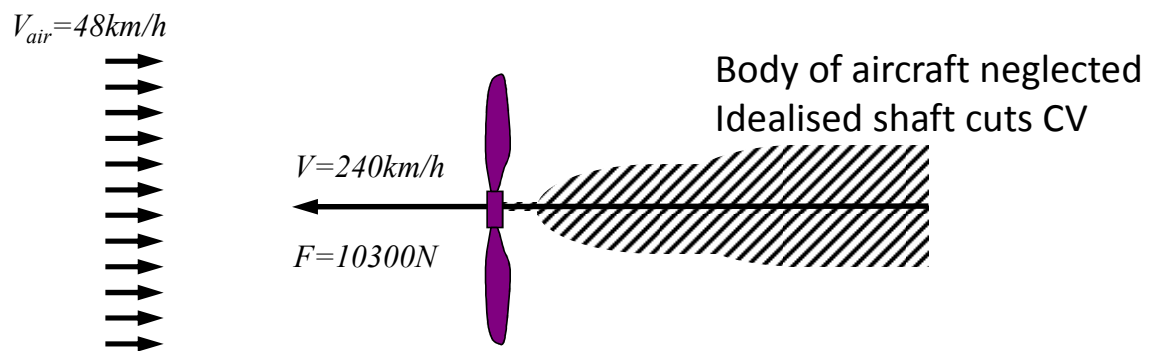
Q3



Q4



Q6



Apply a Galilean transformation so that the propeller is stationary (the observer moves at a speed of 240 km/h)