2. Water flow 100 m long Pipe.

diameter. 5 cm. flow rate Q = 0.01 milsfriction factor $f = \frac{\Delta P/2!PV^2}{L/D} = 0.04$ Find ΔP

dy

D

= 0.04 100 × 103. [3,14 × 0.05]

= 204 k Pa.

If there is a pump wed to pash the flow $\dot{W} = \cancel{A}\cancel{Q}\cancel{Q}\cancel{Q}\cancel{Q} = \cancel{Q}\cancel{S}\cancel{S} = \cancel{Q}\cancel{S}\cancel{S}\cancel{S}$ $= 2.04 \times W$