

Experiment 2 - Pipe Flow

Data Sheet

IMPORTANT: Clean up ALL spills IMMEDIATELY. Wait for steady flow to be established before taking any measurements.

Note: Please note the units of the quantities which are being measured, when recording data. For example, when measuring voltage, if the voltmeter reads 16mV, then write down 16mV instead of just 16.

1 Flow Section Measurements

Characteristic Lengths			
Pipe Section	Height above floor (H)	Pipe Inner Diameter (D)	Distance Between Pressure Taps (Δx)
1			
2			
3			
4			

2 Data

Pipe Section	Material	Flow Rate	ΔP	Velocity	Reynolds Number
1 (Top)					
2					
3					
4 (Bottom)					

3 Notes

The student has performed the experiment satisfactorily and has cleaned the work area properly.

TA Signature

Date