from the lower sink using the electronic pump. Take water properties at room temperature of 20 °C.

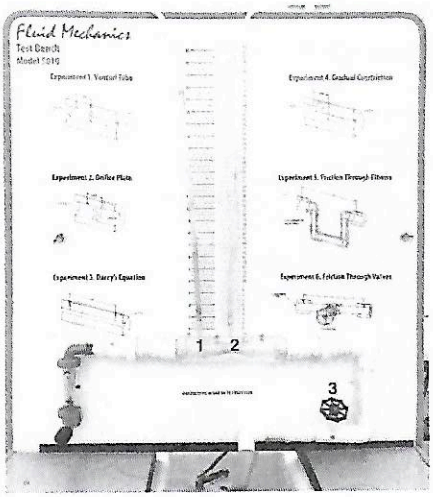

Figure 2 Venturi Tube Setup

Step1: Record the diameters of the Venture tube at two sections.

D1 = 1 in, D2= 0.5 in

Step2: Open the valve and adjust it to a certain volume flow rate and record it in the first column of Table 1.

Step3: Measure the height difference and record the height value in the second column of Table 1.

Step4: Repeat Step 2 and 3 until for at least 4 times.

Table 1 Measured and Calculated Data into cm 2.54

Measured Flow Rate Q_{actual} [LPM]	h measured [cm]	$\Delta p = p_1 - p_2$ [Pa]
3	0.254 cm	9.79 x 0.254 = 2.49
6	2.28 cm	9.79 x 2.28 = 22.32
9	6.35 cm	9.79 x 6.35 = 62.17
12	11.43 cm	9.79 x 11.43 = 111.90

Note: LPM represents liter per minute, and GPM represents Gallon per minute.