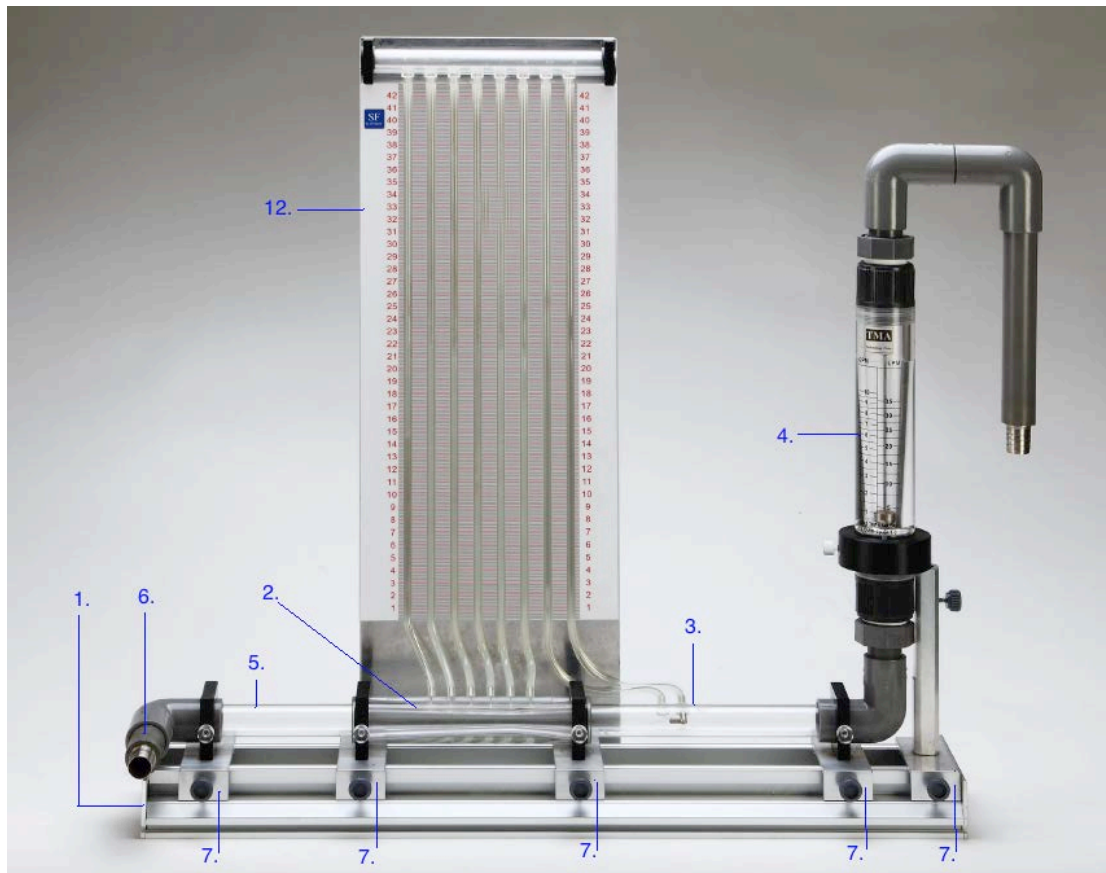


## F14 Experiment of Venturi-Tube



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### **Experiments:**

1. Measure flow rate by timing the water collection.
2. Measure flow rate by flow meter of float-sink.
3. Measure flow rate by dynamical tube.
4. Measure flow rate by venturi tube.

### **Specification:**

1. Aluminum experimental platform x1

Aluminum alloy, a 3 D biconvex guide track ,on the top surface, is fastened by U-shaped clips at below and both sides, one of which is adhered to an meter of inclination of 45-degree. And the type of three-point level-supporter of the size 60 x12x4.5cm, at both ends, is subjected.

2. Venturi-Tube x1

Clear acrylic tube made, length 18cm with 6 outlet for measure each cross section static pressure. The cross section diameter are 14.8/12.7/13.6/14.8/16.0/17.0mm

1. Dynamic pressure tube x1

Clear acrylic tube made include a simple Pitot tube, length 16cm

2. Drifting flowmeter x1

Clear acrylic tube made, measurement range 1.8~18 LPM/0.5~5GPM

Include holder and quick connector to water pipe.

3. Clear acrylic tube connector x2

4. Quick connector for input x1

5. Slide tube holder x5

6. Sinking pump with quick connector x1

Power AC110V/90W

Max. velocity of flow 30L/min

Max. delivery head 4.5m

7. Pipe 120cm with two quick connector x1

8. Pipe 120cm with one quick connector x1

9. Speed controller for Sinking pump x1

10. open-tube manometer device x1

With 8 clear soft tube fixed in a acrylic panel with scale 0~430mm

Size: 60x20x3 cm

Option:

1. Bucket 20~30L X1

2. Counting cup x1