

MIST Equipment

Components and their links

1. Pneumatic pedal (3 way, 2 position): <https://a.co/d/cL96rH7>
2. Pneumatic tubing (¼ " OD, White Nylon air hose):
<https://a.co/d/5RkbUuF>
3. Air rotameter:

<https://shop.prmfiltration.com/products/fmg6t055lpm-air-rotameter?variant=3713105559565>

4. Push to fit connectors Male (¼ " OD to ¼ " NPT, pack of 5 pieces): you need to buy 2 packs. <https://a.co/d/2RgJw2H>
5. Push to fit connectors Female (¼" OD to ¼" NPT, pack of 5 pieces): you need to buy just 1 pack. <https://a.co/d/6tEUY49>

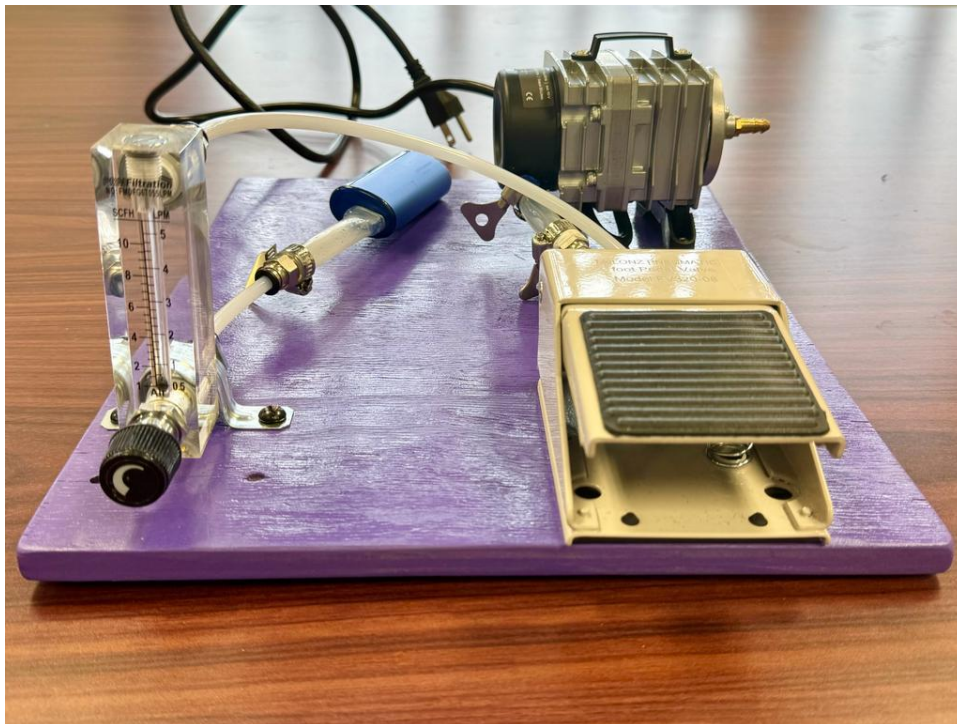
For pneumatic tubing, we are considering a second option:

<https://a.co/d/i1clKYi> - Utah pneumatic tubing (¼" OD). But **I don't think it would be able to handle the pressure exerted on it from the outside.**

When suction occurs, there is little no air inside the tubing, creating a vacuum effect and the outside air applies a pressure of 1 atm on the tubing of the pipe. Since this tubing is not really firm, I suspect it won't be able to handle the pressure and might just burst.

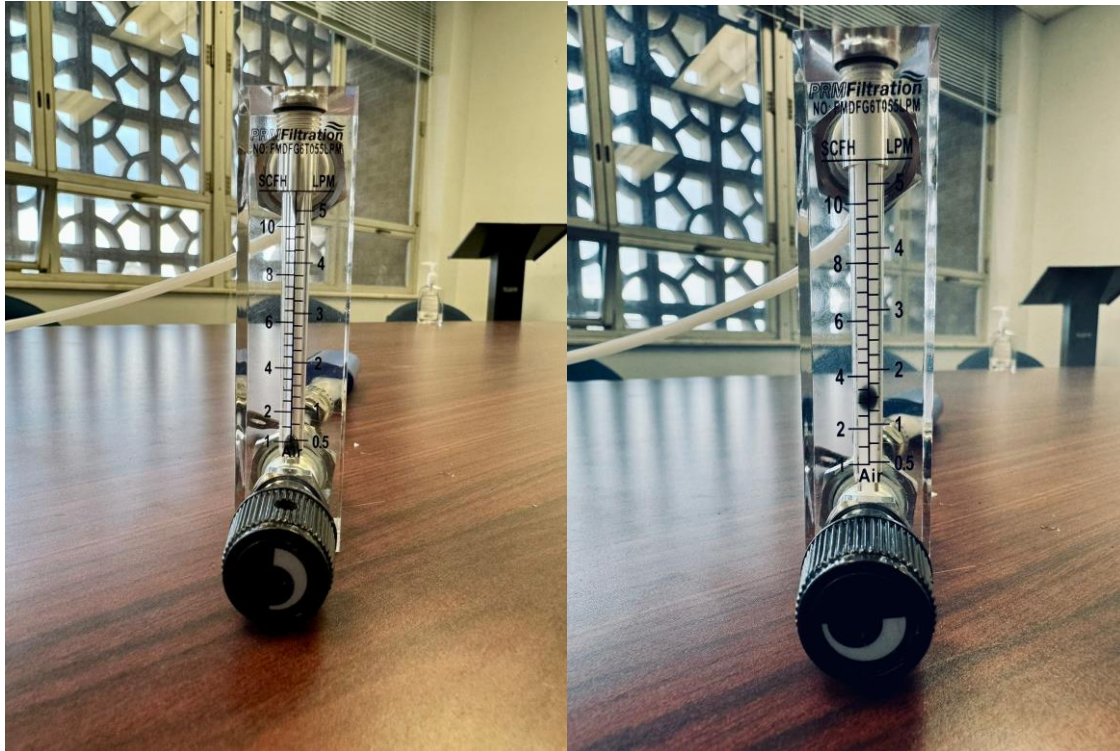
Note: We would be needing Q –tips for cleaning the inlet tube. So, order if required.

Final setup



Individual components

Rotameter for Air (0 to 5 LPM)



Air rotameter at: I) 0 LPM II) 1.5 LPM (25 ml/sec)

Pneumatic pedal (Released and pressed positions)



Connections

