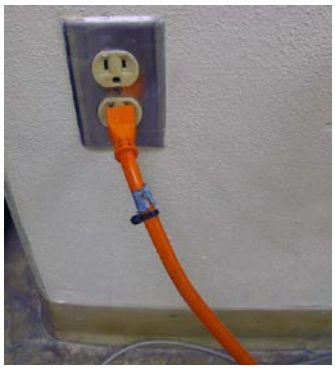
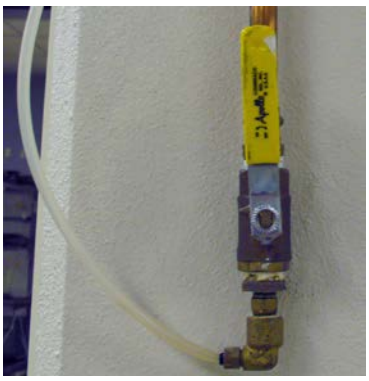
Pipes and Fittings

ver 6

Start-up:



- First off, check that the experiment is plugged in; the orange cord should be plugged in near the computers.
- Next, check that the air valve (on wall around from orange cord) is open (parallel to the pipe). Leave it like this when you finish, please.
- Climb up the ladder and peek into the big tank to make sure that it is at least half-full of water (if not, ask Mike or John to help fill it).
- Open the Labview VI. (see below; click here to access.)
- Right click to request control of VI.



- Select a flow rate. (ex. 12 gal/min) Keep your set point within the range of 5 to 15 gallons per minute.
- Turn on the pump.
- You should see readings for the flow, the temperature, the pressures at the pump and all fittings.
- Select how many data points to obtain and at what interval.
- Click push to record (it will light up)
- Change the flow rate according to your experiment.
- You can make brief excursions outside (5 to 15 gal/min), but don't stay outside the 5 to 15 range for more than two minutes!

Shut Down:

- Turn it off the pump.
- That's it, you're done!

Good Luck!

Pipe and Fittings