

Pipes and Fittings

ver 5.10

Start-up:

- First off, check that the experiment is plugged in; there should already be two plugs plugged into the pillar.
- Next, check that the air valve 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.
- Go over to a Bailey screen and access the Groups Display. (To learn how to work the Bailey, click [here](#).)
- From the Group Displays, select “Pipes and Fittings”
- Open the Flow window and pick a flow rate. (ex. 12 gal/min)
- Open the Pump window and turn it on.
- Now you should see reading for the flow, the temperature, the pressures at the pump and all fittings.
- Now you could write these numbers down, but a better idea is to start a data acquisition. (To learn how to do this click [here](#).)
- Return to the control screen and begin to make changes to the flow rate. Keep your set point within the range of 5 to 15 gallons per minute.
- If you want you can make brief excursions outside that range by switching out of auto mode, but don't stay outside the 5 to 15 range for more than two minutes!



Shut Down:

- Open up the pump window and turn it off.
- That's it, you're done!

Good Luck!