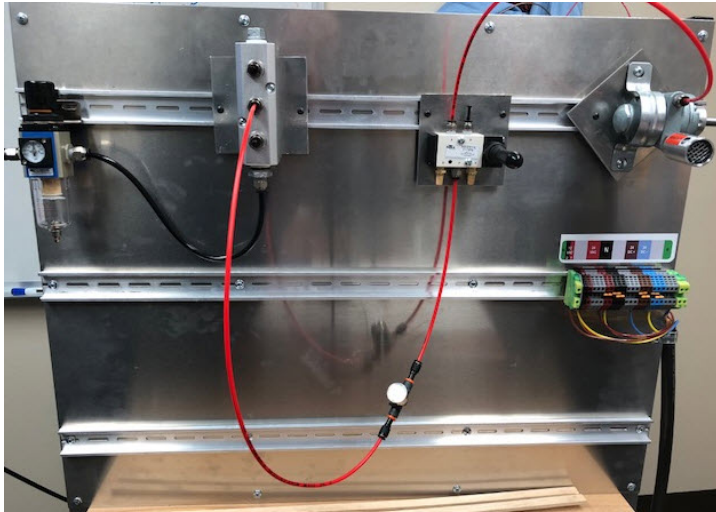


Trainer Lab #3:

Pressure Reducing Valve



Trainer Lab Instructions:

Steps:

- 1- Make sure you are wearing safety glasses.
- 2- Make sure that the orange shut off valve is shut off before you start hooking up any components.
- 3- Make sure that 2 of the 3 ports on the silver manifold are plugged.
- 4- Take a hose from the silver manifold, and run it to the in-line pressure gauge, make sure that you have installed the hose reducers in the in-line pressure gauge.
- 5- Take a hose from the other side of the in-line pressure gauge and run it to the "P Port" of the 2-Position 4 Way Manually Operated Control Valve.
- 6- Take a plug and plug the "B" port of the 2-Position 4 Way Manually Operated Control Valve.
- 7- Take a hose and run it from the "B" port of the 2-Position 4 way Manually Operated Control Valve.
- 8- Take that hose and run it to the open port on the Air Motor.
- 9- Double check to make sure that the handle on the 2-Position 4 Way Manually Operated Control Valve is pushed all the way to the right.
- 10- Once the trainer is set up video the following and submit:
 - a. Turn on the orange shut off valve
 - b. Set the "FR" Unit to 60 PSI, shift the 2-position 4 Way Manually Operated Control Valve to the right and record the rpms on the motor shaft. Shift the valve to the left.
 - c. Set the "FR" Unit to 40 PSI and repeat step "B"
 - d. Set the "FR" Unit to 80 PSI and repeat step "B"
 - e. Submit your video of you doing this, make sure at the start of your video I see your face with safety glasses.