Trainer Lab #4

Extend and Retract Double Acting Cylinder w/o DCV



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 rod side of the double acting cylinder.
5. Video yourself doing Steps: 6-10 and submit.
6. Turn on the orange shut off valve and set the “FR” unit to 60 PSI. Check to make sure that your cylinder is retracted.
7. Turn off the orange shut off valve, remove the hose from the “Rod Side” of the cylinder ( FYI when you remove the hose a small hiss of air will happen) put the hose on the cap side of the cylinder.
8. Turn on the orange control valve, as you do this your cylinder should extend.
9. Turn off the orange control valve, switch the hose again to the “Rod End” of the cylinder. Turn on the orange control valve and the cylinder should retract.
10. Turn off the orange control valve, disconnect the hose going to the “Rod End” of the cylinder so there is no pressurized air in the system.