Trainer Lab #6

Extend and Retract (2) Double Acting Cylinders w/ 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 “P” port on the Manually Operated Valve.
5. Take a 12” hose (approximate length) and run it from the “A” port on the Manually Operated Valve to one of the ports on the “TEE”, then take 2 more 12” hoses and run one from one of the other ports on the “TEE” to the Non-Rod side of one of the medium cylinders and take the remaining hose and run it from the remaining port on the “TEE” to the Non-Rod side of the other medium cylinder. (See Video if you need further explanation)
6. Take a 12” hose (approximate length) and run it from the “B” port on the Manually Operated Valve to one of the ports on the second “TEE”, then take 2 more 12” hoses and run one from one of the other ports on the “TEE” to the Non-Rod side of one of the medium cylinders and take the remaining hose and run it from the remaining port on the “TEE” to the Non-Rod side of the other medium cylinder. ( See Video if you need further explanation)
7. Push the Manually Operated Valve to the right.
8. Video yourself doing Steps: 9-11 and submit.
9. Turn on the orange shut off valve and set the “FR” unit to 60 PSI. Check to make sure that your cylinder is retracted.
10. Shift the Manually Operated Valve back and forth and check to make sure that the cylinders are extending and retracting together.
11. Turn off the orange shut off valve, cycle the Manually operated valve back and forth a couple of times so that there is no stored air in the system. Un-hook the hoses and put everything away.