LS-175

PIPING FOR BASIC LEAD SCREW TAPPING CIRCUIT WITH AIR BRAKE MOTOR

Filter
Air In
3-way N.O. Air Brake Valve
Mount as Close to Brake as Possible
Regulator
Set at 80 PSI
Air Brake Motor
Depth Switch

1/8"
Normal Distance Between Housings
Interlock Switch
Greaser

Hypneumat Inc. • 5900 West Franklin Drive • Franklin, WI 53132-9178 • (414) 423-7400 • Fax: (414) 423-7414
230/460 Volts
3 Phase 60 Cycle
Thru Fused Disconnect

**IMPORTANT**

THIS CIRCUIT IS A BASIC METHOD OF CONTROLLING HYPNEUMAT EQUIPMENT.
CHECK LOCAL, STATE, & OSHA REGULATIONS FOR SPECIFIC CIRCUIT REQUIREMENTS.
1. Push Cycle Start Button  
   a. Supplies power to Circuit (1CR)

2. Push Twin Palm Feed Buttons  
   a. Cycle relay (3CR) is energized and is held  
   b. Motor delay start timer (T) is energized and begins timing out

   NOTE: Time delay should be just long enough for Air Brake to exhaust

3. Motor delay start timer (T) times out  
   a. Motor Forward Coil (MF) starts Motor in a clockwise rotation and unit feeds forward

4. Depth Switch is actuated  
   a. Cycle relay (3CR) is dropped out  
   b. Motor Forward Coil (MF) is dropped out  
   c. Motor Reverse Coil (MR) starts motor in a counterclockwise rotation

5. Unit returns to retract position and actuates Interlock Switch  
   a. Motor Reverse Coil (MR) is dropped out  
   b. Air Brake Valve is energized and unit stops

   **EMERGENCY STOP**

1. Push Emergency Stop Button  
   a. Power to motor shuts off  
   b. Air Brake is actuated and Spindle rotation stops immediately

2. To return unit to retract position, push “Cycle Start” button