RETRO FIT CUP LIFT INSTALLATION

1. Drill holes through both sides of tube as shown in the drawings. See sheets 2-5.
2. Attach air cylinder to the back of the frame under the collection cup with four \( \frac{3}{4}-20 \) screws. Put washer, lock washer and nut on other side. Be sure that the cylinder can be vertical in this position. See figure 1.
3. Attach both brackets onto frame with two 3/8-16 screws. Put washers, lock washers and nut on bottom side. Orient the brackets so that the shelf will be under the separator cups. See figure 2.
4. Slide cup lift bracket up and put air cylinder rod though hole and put a washer on both sides of cup lift bracket. Secure with nut. See figures 3 & 4.
5. Attach air valve with joystick onto front of the frame with two 10-24 screws. Put washers, lock washers and nuts on back side. See figure 5.
6. Attach air regulator and gauge with bracket to side of control panel frame with two \( \frac{3}{4}-20 \) screws. Put washers, lock washers and nuts on back side. See figure 6.
7. Remove orange plug from tee fitting to left of junction box on back of machine. Attach 4 inch air line(5/16” diameter) to tee and attach plastic tee to other end. Plug one port of the y fitting with the orange plug. See figure 7.
8. Attach open fitting on plastic tee to 4 inch airline that then attaches to reducer coupling. The small end of the reducer is attached to the top of the regulator. See figure 7.
9. Run air line from bottom of regulator down close to the inlet (left side) of left most air valve with joystick. Put a plastic y fitting on this line, then run a short length of air line to left most air valve. The other end of the y fitting will attach to the inlet of the other valve with 24 inch air line. See figures 8 & 9.
10. Air valve has one input line and two output lines. The top output line should be attached to the bottom air cylinder port with 18 inch air hose. The bottom output line should attach to the top air cylinder port with 18 inch air line. Repeat for second air valve. See figures 10 & 11.
11. Put “pinch point” sticker above collection cups. See figure 12.
12. Once air is supplied push joystick up to lift cup lift and down to lower it. The air valve regulator should be preset to 70 psi. If adjustment is needed pull knob out, twist to adjust, and push in to lock it.
13. If cup lift moves to fast going up or down turn screws on top and bottom air cylinder fittings to adjust speed. See figure 13.
150 Commerce Blvd, Johnstown, OH 43031
740-809-1160
www.apekssupercritical.com
support@apekssupercritical.com