

SETTING WATER LEVELS ON A “P-TCCT-100” WITH A BARKSDALE PRESSURE SWITCH

1. Turn off all power to the P-TCCT-100.
2. Pull the “Push To Start/Pull To Stop” red illuminated button out to prevent the basket from rotating later.
3. Remove the shrouding from the side of the P-TCCT-100 to the right of the control box.
4. Remove the rectangular cover plate on the pressure switch. Two screws hold it in place, it is gold colored.
5. Open the P-TCCT-100 tank covers and lock the support arms.
6. Open the P-TCCT-100 control panel door so the PLC can be seen.
7. In side the P-TCCT-100 tank on the right hand end where the drive shaft comes thru the tank wall there are three water level indicator studs welded to the tank. You will need to fill the tank to each of these three levels to set the pressure switch.
8. Next turn the power back on, be sure the basket is not rotating.
9. Fill the P-TCCT-100 tank to the lowest water level indicator stud. This is the “Cooling” water level. A hose is handy for doing this since it is easy to control the water flow.
10. Switch #1 on the Barksdale pressure switch controls the cooling water level. **Two people are required to adjust the switch.** One to slowly turn the adjustment screw and another to watch the input light for input #3, wire#26 on the second Idec PLC in the control panel. The adjustment screws work as follows; to lower the water level, turn the screw slowly clockwise and to raise the water level turn the screw counter clockwise.
11. Now if the input light for input 3 (wire#26) is light slowly turn the adjustment screw for switch #1 (the far left screw) clockwise until the light goes out. If it is not lit then turn the adjustment screw slowly counter clockwise until the light for input 3 (wire#26) comes on.
12. Now very slowly turn the adjustment screw the opposite way until the light goes out or comes on. This is a very touchy adjustment. The goal is to turn the screw until the light just comes on and stop. If you over turn by just a little the tank will fill higher than desired. This may take several attempts to get it as close as possible.
13. Once the cooling level is set fill the tank to the 2/3 cook level (the middle indicator stud). This water level is controlled by adjustment screw for switch #2, the middle screw. The input light on the Idec PLC for 2/3 cook is input #2 (wire#25). Repeat steps 9, 10, and 11 to set the 2/3 cook level.
14. Once the 2/3 cook level is set fill the tank to the full cook level (the top indicator stud). This water level is controlled by adjustment screw for switch #3, the far right screw. The input light on the Idec PLC for full cook is input #3 (wire#24). Repeat steps 9, 10, and 11 to set the full cook level.
15. After setting all 3 levels drain the tank and test the P-TCCT-100 to see if the water levels are accurate. If not then repeat steps 9, 10, and 11 to adjust any water levels that are still off.
16. Replace the cover on the Barksdale pressure switch and the shrouding when finished.
17. The P-TCCT-100 is now ready to use.