

## **3070AT Retro-Fit Kit**

### **Instructions for converting an Accu-Tab® PowerBase® 3070 AT from the Original Configuration ( with solenoid valve) to the New Configuration (no solenoid valve).**

1. Record current flow/chlorine delivery rate from flow meter while system is running. \_\_\_\_\_ GPM
2. Clean system following the cleaning instructions in the system manual.
3. Shut off supply water and allow pump to empty the solution tank. Shut off pump.
4. Isolate the system by closing the discharge isolation valve.
5. De-energize system by unplugging both the Control and Power cords.
6. Remove the solenoid coil from the solenoid.
7. Loosen the two 1" unions and remove the flow meter/solenoid assembly.
8. Carefully remove the 1" PVC nipple and 1" PVC 90° elbow from the flow meter and set the flow meter aside for re-attachment at a later time.
9. Cut the 1" pipe coming out of the male adapter in the chlorinator. Remove the 1" male adapter.
10. Plug the 1" hole with the 1" PVC plug (supplied in kit).
11. Loosen the 1" union leading to the float valve and remove all piping back to the 1.5" supply line and the pipeline to the float valve.
12. Remove the sieve plate and set aside.
13. Remove the inner distribution pipe and discard.
14. Pull off and invert the chlorinator. Using a straight edge and marker, locate the center in the base of the chlorinator.
15. Drill a 2" diameter hole in the bottom plate of the chlorinator.
16. Set the chlorinator aside.
17. Remove float valve and plug the hole from outside using 1" plug (supplied in kit).
18. Looking down on the solution tank, make a mark approximately 3" to the right (counter-clockwise) of the center line of the original float valve inlet. From that location, make a mark approximately 5-½" down from the top of the solution tank.
19. Drill a 1-1/8" diameter hole through the sidewall of the chlorinator and tap for 1" NPT threads. Assure that the hole is plumb as you drill it for proper alignment of the float valve.
20. Thread the 1" FPT x Soc 90° elbow (supplied in kit) into the discharge of the new Kerick float valve (supplied in kit).
21. Thread the 1" float valve, from inside solution tank, through the tank wall so that it mounts flush with the inside wall of the tank and that it is properly aligned for use.
22. Thread the rod and float ball into float valve assembly. Be careful not to over tighten. Assure that there is adequate clearance for full range of motion for the float valve.
23. Cement the float valve piping assembly (supplied in kit) into the 1" elbow on the float valve. Be sure that all plumbing is plumb at this point, and that the riser piping is centered in the tank. You may want to place the top section on and dry fit to assure proper alignment.
24. Remove the high-level switch from the solution tank, and plug the hole using a ½" PVC plug (supplied in kit).

25. Remove wiring inside the electrical box for the solenoid valve and level switch. Remove the conduit and conduit connectors from the electrical box. Insert plugs in the empty holes in the electrical box (supplied in kit).
26. Place the chlorinator on the solution tank to assure proper alignment. Replace sieve plate and chlorinator lid.
27. Thread the 1" PVC 90° MPT x FPT (supplied in kit) into the top (discharge side) of flow meter.
28. Carefully thread the flow meter onto the float valve.
29. Screw 1" x 1.5" male adapter into the 90° on bottom of the flow meter. Then cement the 3" piece of 1.5" pipe (supplied in kit).
30. Reconnect the supply piping to the chlorinator piping.
31. Allow all cement joints adequate time to cure.
32. Change the wiring in the electrical box to reflect the changes on the supplied electrical drawing (supplied with kit) and place the new drawing in electrical box. Be sure all connections are properly placed and tight. Discard old electrical drawing.
33. Turn on supply water and open discharge piping. Check for any leaks.
34. Plug in main power and controller power accordingly.
35. Cycle system a few times and then adjust to the desired flow/delivery rate (recorded in Step 1.) using the discharge gate valve.

**If you have any questions concerning these instructions,  
contact PPG Technical Service at 1-800-245-2974 Option #2.**

### **Parts list**

1. 1 ea 1" Kerick Valve, #PT100SS
2. 1 ea Float Valve Piping Assembly
3. 2 ea 1" PVC Elbow, FPT X MPT
4. 1 ea 1" x 1.5" Male Adapter
5. 1 ea 1.5" Sch 40 PVC Pipe, 3" long
6. 1 ea 1½" PVC Coupling, Soc x Soc
7. 2 ea 1" PVC Plug (float valve and chlorinator inlet)
8. 1 ea ½" PVC Plug (high level switch)
9. 2 ea 7/8" Conduit Plugs
10. 1 ea New wiring diagram

