

Replacing Float Valve in Salt Feed Tanks

32-3005 with 31-331RFK (12VDC)

33-3005 with 32-331RFK (24VDC)

IMPORTANT:

With this upgrade, the Salt Feed Tank will fill only when the water supply is turned on and the treatment unit is operating.

PARTS INCLUDED:

- Grommet for float switch wires (1)
- Crimp on terminals for float switch (2)
- Float switch and mounting bracket
- Water inlet tube
- Black relay box (with water solenoid)
- Wire Tie (not pictured)



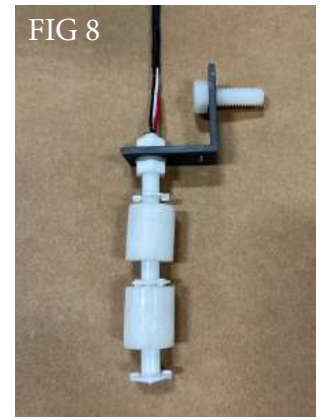
1. Disconnect water supply and power.
2. Remove float valve from tank (FIG 3).
Save 1 plastic screw and 1 plastic wing nut (FIG 2 and FIG 4). Cut tubing close to nut when removing float valve (FIG 5).
3. Determine where to attach black relay box.
 - a) If attaching to tank, secure to mounting strap or to overflow fitting (See FIG 15 and 16).
 - b) If mounting remotely, 1/4" [6mm] fill tube will be replaced.



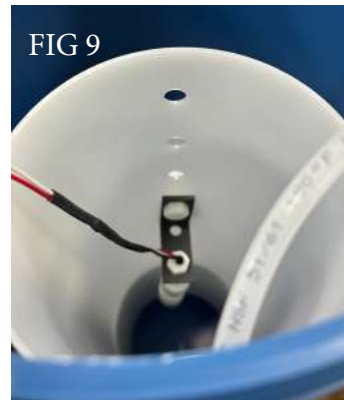
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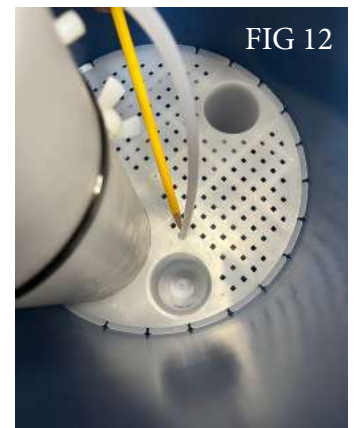
4. Drill 9/32" [7 mm] diameter hole in tank, next to water inlet tubing (For float switch wiring) (FIG 7).
6. Insert grommet in drilled hole (For float switch wiring).
7. Add plastic screw to float switch bracket (FIG 8).



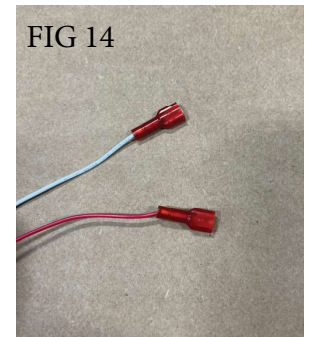
8. Install float switch and bracket in lowest hole in 4" [101 mm] tube (Add to inside of 4" [101 mm] tube) (FIG 9).
9. Add and tighten wing nut (FIG 10).



10. Using new 1/4" [6 mm] tubing or existing tubing is based on how close relay box is to tank.
11. Drill 9/32" [7 mm] hole in salt platform in tank (FIG 11).
12. a) Push water inlet tubing through grommet, in tank, then through white cap, then through one of the extra holes in 4" [101 mm] pipe above float switch (see FIG 21).
b) Water inlet tubing MUST be pushed in far enough to go through hole drilled in salt platform (FIG 12).



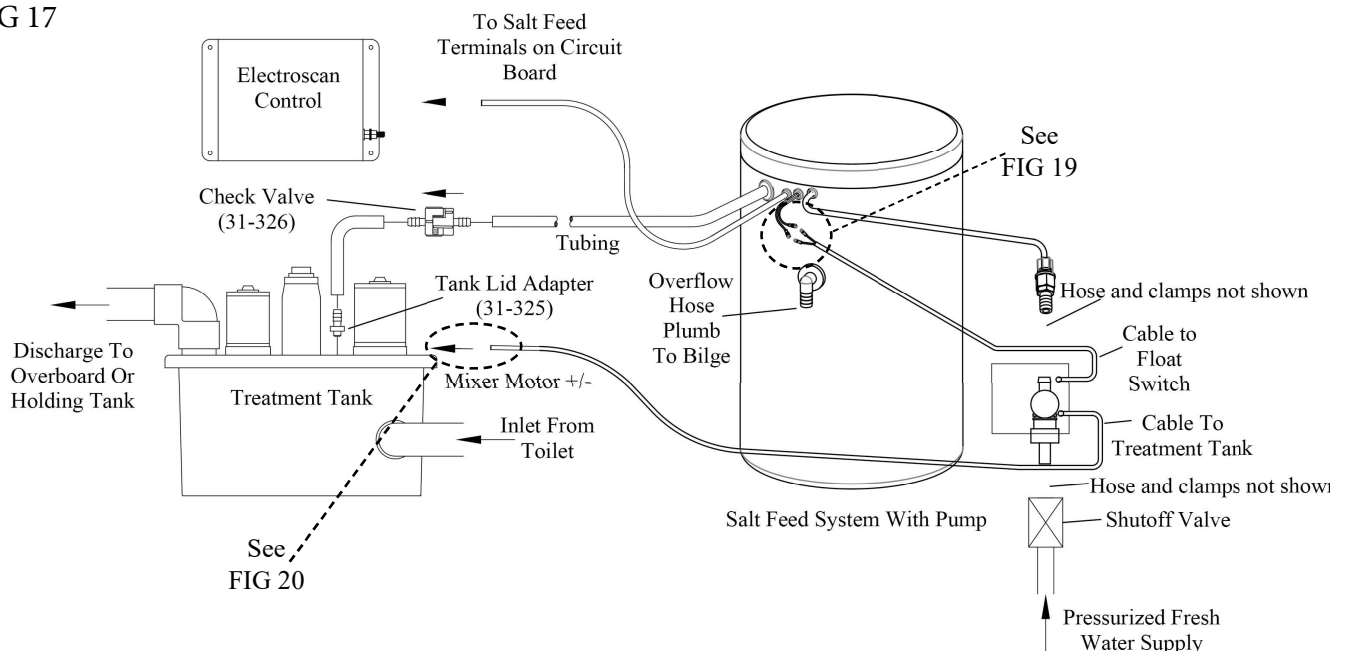
13. Push float switch wiring through white cap (See FIG 21), then through new grommet, before adding terminals (FIG 13) (RED AND WHITE).
14. After pushing float switch wires through grommet, crimp push-connect terminals on float switch wires. (RED AND WHITE) (FIG 14).



15. Mount black relay box:
 - a) Use wire tie and attach to: mounting strap (FIG 15) or overflow fitting (FIG 16).
 - b) Mount nearby with mounting holes.
16. Attach 1/4" [6 mm] water inlet tubing from tank to water solenoid on black relay box.

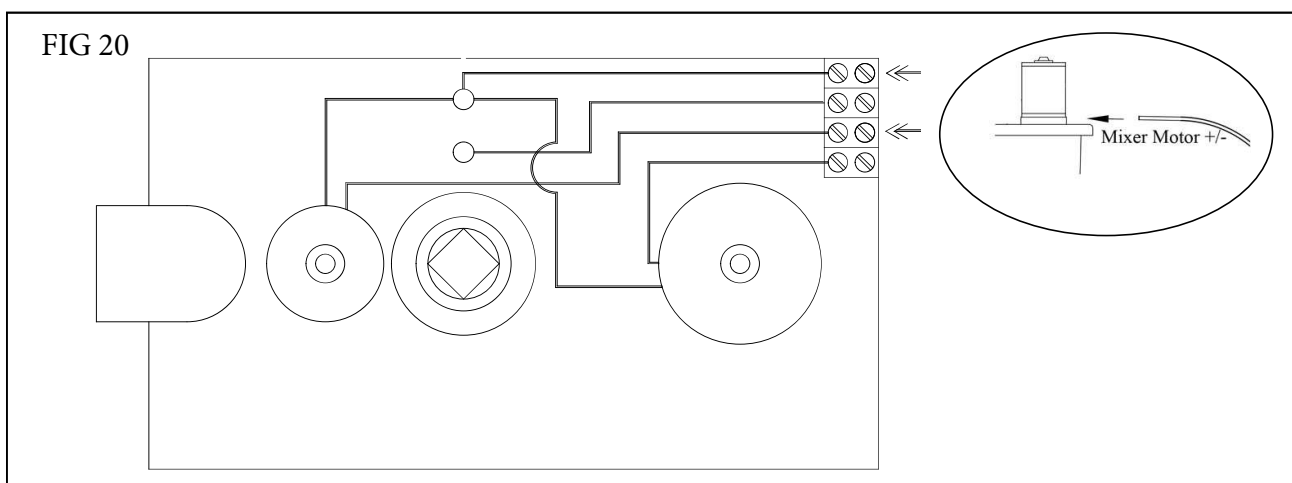
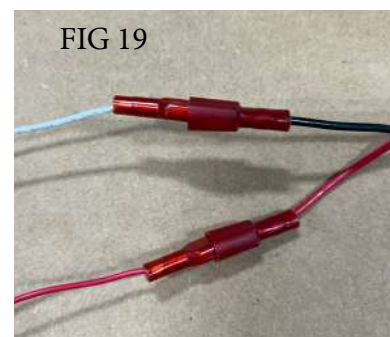
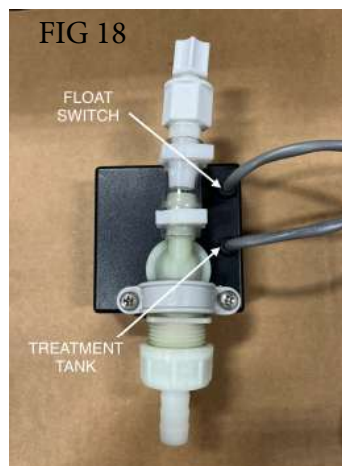


FIG 17



17. Attach float switch wires to cable (5' [2 m]) from black relay box (FIG 18 and FIG 19) (SWITCH RED to CABLE RED and SWITCH WHITE to CABLE BLACK).
18. Connect water supply, with on/off water valve, to water solenoid.
19. Connect Treatment Tank cable (12' [4 m]) from black relay box, to mixer motor terminals, joining existing 2 wires (FIG 18 and FIG 20).

Use 3A fuse on (+) positive (RED)



20. Re-Install white cap on top of 4" [101 mm] tube (FIG 21)
21. Re-Install black lid on tank.



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