

Qhumberd T@B forum procedure for 2019 T@B 400 with Alde 3020 and reservoir in closet. Fluid flush and refill with submersible 12V pump. Completed Sept 2026

1. Unplug 120VAC power from Alde. Battery switch ON
2. Close propane valve
3. Set circulation pump to Continuous at Alde control panel
4. Turn off Alde at control panel
5. Remove cover from Alde reservoir. On 2019 with closet you can loosen screws and slide it under wood panel above for access to reservoir top.
6. Remove top cover from bathroom Alde heater to access bleed screw
7. Drain glycol from drain at bottom of trailer behind wheel on driver side (red bung). (Almost all the fluid should drain from reservoir). Drain amount will vary but in my case was less than 1  $\frac{1}{2}$  gallons).
8. Open bathroom bleed screw and continue to drain until you see no fluid in reservoir, then close.
9. Put plug (red bung) back in outer drain below trailer under reservoir.
10. Lubricate reservoir hoses with small amt of silicone spray, as the connection may be brittle
11. Loosen and slide clamps down on hose. Hoses should slide off with mild twist and care
12. Place screw clamps on hoses, and attach elbows and clear vinyl tubing
13. Run flow outlet hose (on Right in 400) to submersible pump with switch. Plug pump into 12V lighter outlet.
14. Run lower inlet hose (on Left in 400) to drain bucket
15. Fill rinsing bucket with distilled water, 4 gal, and turn on pump. Flow begins slowly then speeds up. Color changes to clear around the 3<sup>rd</sup> gal of flush

16. Begin refill with fresh glycol. Watch for color change in tubing. In 400 color change noted after 2 gallons. Use 3 gallons and save 1 gal for reservoir.
17. Disconnect elbows and re attach hoses to reservoir with band clamps
18. Fill reservoir to MAX line with glycol
19. Set Alde pump(s) to setting 5 at pump (including Flow pump if installed). Flow pump will only operate when the hot water setting is on MAX. Both do not run at the same time.
20. Turn on Alde and monitor reservoir. Lots of churning in reservoir and gurgling is normal to start. Turn off Alde when reservoir drops to Min level. It can happen fast so watch carefully!
21. With the Flow attached, you can activate that pump by choosing MAX on the hot water menu. The main pump will stop and Flow pump will start, circulating the new glycol through that loop. Let it run for a bit then turn hot water OFF, and turn off Alde
22. With pump off, open bleed valve in bath. Air will sputter and the glycol will then flow. Close valve.
23. Refill reservoir and turn on Alde again. Repeat until system stops dropping the fluid level. Turn on Alde Flow pump as desired.
24. Turn off pump and check bath bleed valve for air prior to each reservoir refill. Mine had increasingly small amounts of air for 3-4 times.
25. Refill reservoir as required to near Max line
26. Reset pump to Therm on Alde control panel
27. Reset pumps back to original speed settings. Mine was noisy and churning at 3, quiet at 2. I reset Flow pump to 2 as well. Turn off Alde
28. Re-install bath bleed screw cover and reservoir cover.
29. Plug in Alde 120VAC plug
30. Open propane valve. Test for heating and hot water.

## Alde 3020 with Flow:

