

Drain, blow and fill - winterize the plumbing of your 320 T@B with Alde system (8/27/19 Version 3)

(FYI: nüCamp RV has not endorsed nor approved this procedure. Follow at your own discretion.)

Like any new experience, the first time winterizing a T@B for the novice RV owner can be a little confusing. Some owners benefit from more detailed information and some virtual hand holding! This step-by-step recipe hopes to consolidate the information provided by the manuals and forum postings and provide a systematic, logical approach to this task. The nüCamp RV factory reports that they use the abbreviated antifreeze system and it appears that many folks on the forum do as well, so majority rules! Thanks to all who continue to share their knowledge, skills, and experience with your fellow T@B Forum members.

Please private message @Sharon_is_SAM on the T@B Forum with comments.

Disclaimer: Note that this method is specific to 320 T@Bs with the Alde and excludes the more traditional RV winterization involving adding antifreeze to the entire plumbing system. Besides the T@B Forum, information sources include the nüCamp T@B Manual, previous T@B manuals, and the Alde Manual. A reasonable attempt has been made to reach a consensus of the terminology and procedure! Optional additions of user-specific nuances is expected and invited. As they say - YMMV!

When... In preparation for: storage in freezing or potentially freezing temperatures
travel to and/or through freezing temperatures
winter camping in freezing or potentially freezing temperatures

Where... Assuming your grey and black tanks are empty and flushed with water, it will depend on your electrical requirements: a level driveway, yard, barn or camp site with 120 voltage or just about anywhere level using a manual or 12 volt air pump.

What do you need... (besides patience!)

Online nüCamp T@B Manual: See photos of Fresh Water Tank Drain Valve, Valves in Camping Season Mode, Water Pump, and Alde Safety Relief Valve/Drain. ****Optional:** Take a picture of your plumbing before getting started. If in Camping Season mode, the nüCamp Manual recommends returning to these settings upon completion.

RV antifreeze: A gallon of the non-toxic pink stuff is plenty.

Air pressure source: a standard oil-less air compressor, a 12 volt portable or manual tire pump

Towel/3 gallon bucket: to catch water when emptying the water pump hoses and measuring Alde drain volume

RV blow out plug:

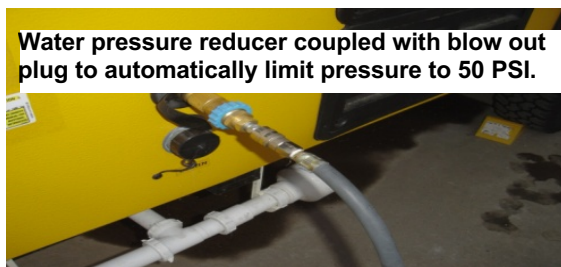


Remove the end of the black cap to reveal a threaded stem.



Available at Walmart or Amazon.

50 PSI lead-free water pressure reducer: (Optional)



To Drain

Turn off the Alde and allow the tank to cool before draining the Alde Hot Water Tank.

1. With the T@B level and the stabilizers up, open the Fresh Water Tank Drain Valve located in front of the passenger side wheel. Let the water drain until it stops dripping. Then, lower the tongue to the lowest position to fully drain the remainder of the tank.
2. Unscrew the shower head(s) / hose(s) and drain the hose(s).
3. Turn on the Water Pump and pressurize the plumbing system. This will assist drainage of the Alde Hot Water Tank. Once pressurized, turn off the pump.
4. With the T@B level, place a bucket under the Alde Safety Relief/Drain Valve and open the valve (yellow flapper). Raise the tongue to fully drain the remainder of the tank. You should get about 2.5 gallons of water. Close valve when tank empties.
5. Next, open the Hot and Cold Water Drain Valves that exit through the T@B floor. This will empty your pipes via gravity in preparation for the blow out. Then close the valves.
6. Next, place a towel under the water pump, disconnect both pump hose fittings and allow to drain. Unscrew, empty and clean the filter and cup then re-secure.

→ The 2017 nüCamp T@B Manual discusses **draining only** and directs to drain the fresh tank, then "Turn the water pump ON and open all...faucets". I suspect these instructions are from a previous version of the manual. I mention this here in case someone wants to run their pump dry in addition to draining the pump hoses/filter cup.

To Blow Out

It is best to open, blow out, then close one outlet at a time (faucet/toilet/valve). Blow out until only air exits each outlet, keeping pressure under 50 PSI. If you are using a low powered compressor or bike pump, you must allow pressure to build up after blowing out each outlet/faucet/valve.
EDIT: Blow out the exterior shower hose then remove the hose assembly to prevent any residual water from flowing back into the faucet.

1. Screw the RV blow out plug into the City Water Fill and attach your compressor.
2. Start the compressor, slowly increasing pressure, limiting to a maximum of 50 PSI.
3. First blow out the toilet flush valve by flushing several times until only air exits the outlet.
4. After the toilet, open up the wet bath sink (CS models), shower taps (S models) and kitchen sink (S model) - hot and cold taps one at a time.
5. Next, (CS) open and blow out the taps in the galley sink.
6. Lastly, open and blow out the Cold Water Drain Valve and the Hot Water Drain Valve.
7. Turn off and remove the air pressure source and RV blow out plug.
8. Confirm closure of all faucets and drain valves. Level the T@B.

****Optional:** Some T@B owners choose to leave the faucets and drains open. The Alde Manual directs to leave the Alde Safety Relief Valve/Drain open until the next time used. Consider covering your drain valves to prevent pest invasion if you choose to do this.

To Fill

1. Use your favorite method to rinse, then empty your gray and black tanks. Close the valves, replace the covers.
2. Pour 2 cups RV antifreeze down the sink(s) and shower drains - to fill the P traps and then, open and close the gray tank valve to replace any residual water with antifreeze..
3. Open the toilet trap and pour in 2 cups of RV antifreeze to send antifreeze into the black tank/valves. With the toilet trap closed, add 1-2 cups of antifreeze to the bowl to protect the bowl seal. Close the toilet lid. Lastly, open and close the black tank valve to replace any residual water with antifreeze.