

# Winterization Guide for 2024 Model Voyager Trailers

Winterizing your Voyager trailer is an essential step to ensure the long winter months don't damage your water system. The method outlined below is for using an air compressor to blow water out of the system. The process is simple and should be followed in the order listed below.

## Items needed:

- Air compressor with hose
- Air nozzle
- Air nozzle tip large enough to cover the fill port, the fill port diameter is 1.25". Amazon offers a set of tips that includes a large 1.4" diameter tip that works great. Link: <https://a.co/d/f3RUbU2>
- 5/16" socket and ratchet or #2 square drive screw bit to remove false wall.

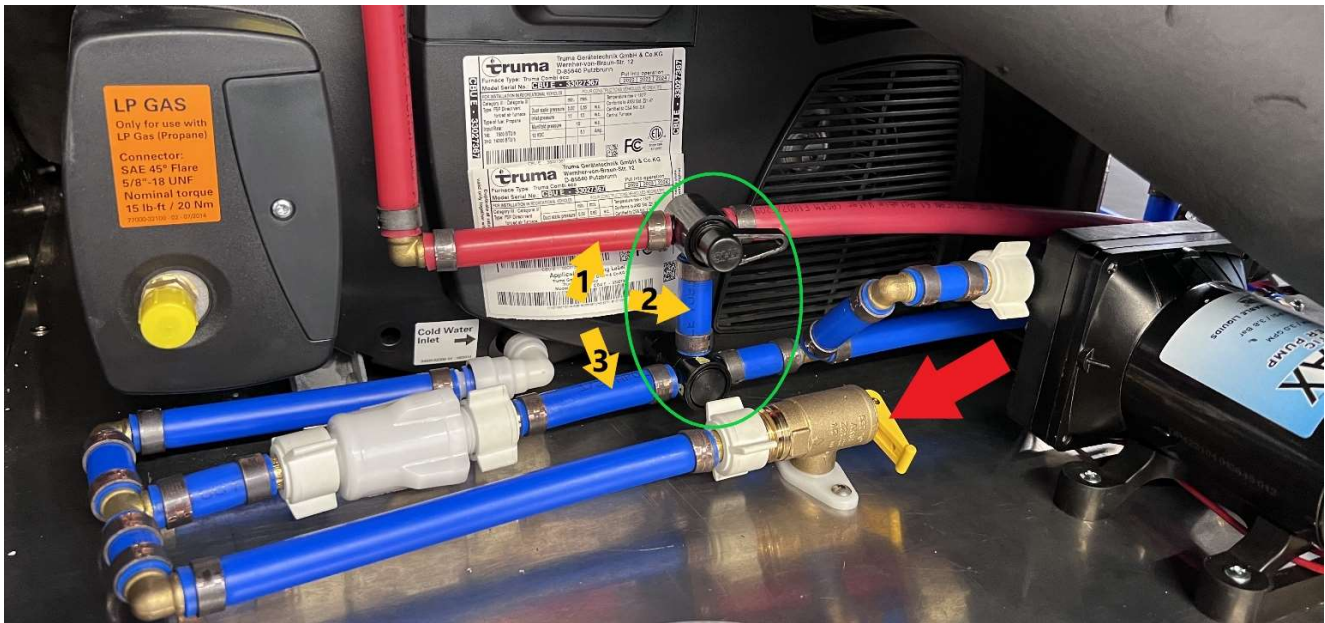
**Step 1:** Turn off the Truma Combi unit and allow the unit to cool.

**Step 2:** Depressurize the water system by turning off the water pump and turning on the kitchen faucet and plugging in the shower hose at the front of the cargo box. Make sure to select both hot and cold water to ensure both hot and cold sides are depressurized.

**Step 3:** Place an appropriate container based on the amount of water you have in your tank and open the petcock valve, or threaded plug (depending on your Voyager model), located at the bottom of the water tank (on the back drivers side). Allow water to drain while faucet and shower are on, preferably with the faucet turned to a warm water setting so as to allow air to enter both hot and cold sides of the system.

**Step 4:** Place the Truma Combi unit in bypass mode by performing the following:

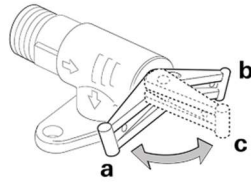
1. Remove the false wall on the inside the front cargo box on the driver's side.
2. Using the picture below, locate the bypass valves in the green circle. If you do not have black 3-way valves, there will be ball valves located at the yellow arrows.



3. Turn bypass valves to block water from going to the Truma Combi by turning the handles so they point to each other. (Top valve should be pointing down and bottom handle should be pointing up.) If you have ball valves located at the yellow arrows, turn off #1 and #3 (handle perpendicular to tubing), turn on #2 (handle in line to tubing).

**Step 5:** Place vessel that can hold at least 2.64 gallons under drainage outlet. The drainage outlet is directly below the drainage valve which is indicated in the picture above by the red arrow.

**Step 6:** Drain the Truma Combi unit by locating the drainage valve indicated in the picture above by the red arrow and flipping the yellow handle 90 degrees to the c position. We recommend leaving this valve open for the winter season. See diagram below:



a,b – Lever in closed position for furnace operation.

c – lever in drainage position for winterization.

At this point the Truma Combi is winterized, we do not recommend using high pressure air or antifreeze when winterizing the Truma Combi. Antifreeze should only be used when the bypass is open so as to NOT allow antifreeze to enter the Truma Combi. Antifreeze in the Truma Combi will void the factory warranty.

**Step 7:** Ensure all water has drained from the tank, if needed, wait for tank to completely drain before moving on to the next step.

**Step 8:** Now that you've got the bulk of the water out of the system, turn off the sink faucet and ensure the petcock valve on the bottom of the tank is closed.

**Step 9:** Set your air compressor to 45 psi. This is a critical step to ensure the water system does not get over pressurized and damage any components.

**Step 10:** With the Truma Combi in bypass mode (this was done in step 4) make sure the shower hose is in the on position and set to warm. Turn on water pump, this allows air to pass through the pump and push out water still in the lines.

**Step 11:** With your compressor set to 45 psi and the shower plugged in and on a warm setting, blow air into the fill port of the tank. You may notice water coming out of the breather vent next to the fill port, this is normal, and you should allow any water that is still in this tube to come out. Once there is no water coming out of the breather vent, use your finger to plug the breather to direct the pressure to the shower (Alternatively you can remove the shower head so the hose from the plugin is completely open.) Continue blowing air into to the fill port until there is no more water coming out of the shower hose.

**Step 12:** Once there is no more water coming out of the shower hose, turn to cold-water side and continue blowing air into the fill port. Once there is no more water coming out, stop blowing and unplug the shower hose.

**Step 13:** Turn on the kitchen sink faucet to warm and repeat the process of blowing air into the fill port and monitoring the water coming out of the sink faucet. Repeat for the cold-water side. Once there is no more water coming out, stop blowing and turn off the sink. Turn off water pump.

**Step 14:** Remove and clean out the strainer located on the inlet side of the pump and replace.

### **Congratulations, you have now winterized your Voyager Trailer!**

\*You can use your trailer with the Truma Combi in bypass mode (cold water only) just be sure to not turn on the water heater function at the Truma control panel.

#### **To return your Voyager trailer to service:**

**Step 1:** Close Truma Combi drainage valve (yellow lever).

**Step 2:** Perform Step 4 in reverse order.

**Step 3:** Disinfect water system, fill water tank and enjoy! Keep in mind that turning on the sink faucet or shower on for the first time you will notice air burping out as air is being purged from the system (follow disinfection instructions on the next page).

### **Water System Disinfection Instructions:**

To ensure complete disinfection of the potable water system, it is recommended that the following procedures be followed on a new system, one that has not been used for a period of time, or one that could have become contaminated. This procedure is also recommended before long periods of storage such as over winter.

1. Prepare a chlorine solution using 1 gal. (3.8 L) of water and 1/4 cup (60 ml) household bleach (sodium hypochlorite solution). With tank empty, pour chlorine solution into the tank. Use 1 gal. (3.8 L) solution for each 15 gal (57 L) of tank capacity. This procedure will result in a residual chlorine concentration of 50 ppm in the water system. If a 100 ppm concentration is required, as discussed in number 3 below, use 1/2 cup of household bleach with 1 gal. of water to prepare the chlorine solution. Use 1 gal. of the solution for each 15 gal. of tank capacity.
2. Complete filling of tank with potable water. Open each faucet and run the water until a distinct odor of chlorine can be detected in the water discharged. Do not forget the hot water taps.
3. Allow the system to stand for at least 4 hours when disinfecting with 50 ppm residual chlorine. If a shorter time period is desired, a 100 ppm chlorine concentration should be permitted to stand in the system for at least 1 hour.
4. Drain and flush with potable water.