

JAG Mobile Solutions

Winterizing Instructions

Restroom Trailers

Each JAG Mobile Solutions restroom trailer that will be stored in temperatures at or below freezing will need to go through a winterization process to protect vital components from freezing, which could result in costly repairs to the unit.

The plumbing system must be either cleared of water using compressed air, or must be filled with RV Antifreeze (propylene glycol).

Please read complete instructions before beginning

RV Antifreeze Method

RV antifreeze must be run throughout the plumbing system either by using an onboard water pump or an external 12 volt pump.

On Board Water Pump with Clear Antifreeze Supply Hose:

Your trailer has a water heater, drain it if it has a drain, then close the water supply valve and open the bypass valve to allow antifreeze to flow bypass the water heater.

With the water pump on, and its supply in the RV antifreeze container, run each of the fixtures until the liquid turns from clear water to deep pink antifreeze. Start with the fixture furthest away from the water pump, and work your way back, including sinks. Be sure to let it run long enough to move past the point of antifreeze/water mixture to pure antifreeze.

Perform this process with each shower and sink. Be sure to allow 16 ounces of pure antifreeze to run into each of the p-traps for the toilets, flushing urinals (if applicable) and sinks.

If you are using the on-board pump to distribute antifreeze, be sure to also open the City Fill valve and the External Shut Off valve at the City Water Connection, so antifreeze can run out the city water connection outside the trailer.

If your trailer has waterless urinals, be sure to pour 16 ounces of antifreeze in them. Plan to replace the urinal cartridge before the first use the following season.

Compressed Air Method

First, *if your trailer has an onboard water pump*, drain your fresh water tank, then run the pump until it runs dry. You'll need to open a sink to do so.

If your trailer has a water heater:

Drain the water heater, if it has a drain.

If your water heater does not have a drain, it must be removed and drained, OR must be filled with antifreeze.

The water heater has a bypass valve, to allow you to remove it and still be able to use your plumbing system.

To clear the plumbing system using forced air, the water inlet must be connected to an air compressor. You will need a $\frac{3}{4}$ " threaded hose fitting at the end of your air hose. An easy way to make this connection is to remove the $\frac{3}{4}$ " hose fitting from a garden hose and attach it to an air hose via hose clamp.

If your trailer has an onboard fresh water tank, OPEN the Tank Fill valve and let the compressed air clear the fresh tank supply line. Then CLOSE the Tank Fill valve.

Open the City Fill valve. Then go to each of the fixtures (toilets/sinks), starting with the furthest away from the supply, and let them run until only dry air comes out. Toilets and **flushing urinals** (if applicable) will need to be cycled until only air is escaping when they are flushed.

It may be helpful to repeat this procedure two or three times to be sure the lines are completely clear.

Be sure to pour 16 ounces of RV antifreeze in each of your sink p-traps, and a few ounces into each toilet bowl. Also run 16 ounces of RV antifreeze through your **waterless urinals**. Then plan on replacing the urinal cartridge before the first use of the spring.