

Winterizing FCM Toilets

Cold weather requires the toilet water system to be protected against freezing. We recommend that propylene glycol (which is available at chemical supply distributors) be added to the water supply to prevent freezing. We use Barton Solvents (Council Bluffs, IA. 712-322-2509). An antifreeze product called Sierra is also acceptable and is available at most automotive parts dealers everywhere.

Note: Never use ethylene glycol based products in place of propylene glycol. The alcohol based products will shut down the bacteria action when flushed into the treatment tank. RV antifreeze products that we are familiar with protect pipes and valves with a diluted mix that forms a slush that will not pass through the toilet valves.

PROTECTION BASED ON MIX.

30% antifreeze/70% water Mixture = plus 12 degrees F Maximum protection

40% antifreeze/60% water Mixture = minus 18 Degrees F Maximum protection

50% antifreeze/50% water Mixture = minus 27 Degrees F Maximum protection

60% antifreeze/40% water Mixture = minus 40 Degrees F Maximum protection

Units stored over the winter should either be drained or protected with a 60/40 mix of antifreeze to water. If you choose to drain the system, do the following: 1. Remove water tank lid (replace after tank is empty). 2. Remove the drain plug under the water tank. (leave plug out, store in toolbox) 3. Flush toilet until no more water flows into bowl and bottom hopper below the flapper is empty. **Failure to protect the system in freezing weather will result in the air/water sequence valve breaking, the "T" under the water tank breaking, or possibly both.**