

## Winterizing a Prochem truck mount - New Generation units (Blazer XL Legend XL, Peak, Apex & Everest)

Time on task. 10-20 minutes at most.

You will need:

### 1. Antifreeze.

Prochem only recommends 100% glycol base automobile antifreeze. They use it for winterizing units before leaving the factory. It is a very suitable recommendation. Glycol auto antifreeze will not ice crystalize when temperatures really drop down below freezing. Partially frozen "crystallized" antifreeze could do damage - ice crystals scoring parts at startup.

Propylene glycol "RV" antifreeze may also be used for winterizing the water system of truck mounts. Besides being less expensive it is less toxic. Either green or pink antifreeze works - more important is being sure the winterizing gets done.

Use an approved and properly label container to recover antifreeze. Green automobile antifreeze must be properly recovered and recycled - only dispose of in accordance to label instructions and applicable environmental law. It is toxic to pets, wildlife and humans.

### 2. A Winterizing Hose and flow open coupler (Part # W1009).

Winterizing Tips:

- Learn to winterize your truck mount prior to the onslaught of winter. Nothing is worse than learning how to winterize at night, away from home, and in the dead of the worst of winter.
- Carry antifreeze in your truck at all times during the winter. You may not be able to get to your indoor storage.
- Bring wands and high pressure hoses into indoor storage.
- Bring liquid chemicals into indoor storage. Chemicals are not meant to be frozen.
- If you chose to use RV antifreeze purchase a half dozen cases in early in the season. It is most commonly used to winterize boats and recreational vehicles and is available in the fall. During the winter when carpet cleaners most need it, retailers usually don't have it on hand.
- Some of the worst winter damage has been done to trucks left in another's care - a car dealership, towing company, or over at your brother-in-law son's apartment. Unknowingly they see only the van, not water that will freeze damage carpet cleaning equipment.
- Automobile antifreeze "Ethylene Glycol" is toxic. Keep it away from pets and children. Keep it in its properly labeled container. Each year thousands of pets and animals are poisoned. Wipe up spills.
- If you are doing this on behalf of a Prochem Owner (i.e., car dealer, tow shop, etc., you should know that a Prochem truck mount is an industrial piece of equipment. It can cause injury and death. Read all warning labels on the machine, read instructional manual and only then proceed to winterize. If you have questions, please call us. PDF manuals may be downloaded at <http://www.prochem.com/>

Winterizing a Prochem

1. Shut off the water supply. Disconnect the water inlet hose from the front of your console.
2. Connect all high-pressure hoses and tools that may have water in them. (Note: in some cases it is easier to bring tools and HP hoses into indoor storage.)
3. Start the unit and turn water pump on. Open the tool valve(s) until water pressure drops and water stops flowing. When truck mount has run out of water turn off.
4. Fill the now empty Water Box (WB) with approximately 2 gallons of 100% anti-freeze. The WB is the white molded plastic container with a black cap on top. It is mounted on the Prochem truck mount. The WB connects to the water inlet, to the water pump, the waste tank and the hot water circulation system. Don't confuse the WB with the much larger fresh water supply tank.
5. Turn the solution pump override switch to the override position and start the unit. Turn the solution pump switch ON.
6. Open the tool valve until anti-freeze begins to come out of the tool. Recover ALL anti-freeze that comes out of the tools into an approved container. We strongly recommend that you recycle and re-use the anti-freeze. Repeat this procedure with all the remaining tools. After all tools and pressure hoses have been filled with anti-freeze, disconnect and store them.
7. Turn the solution pump switch OFF. Attach the winterizing loop hose, Part # W1009 to the solution outlet connection *and* the water inlet connection. Turn the solution pump switch ON. Allow the unit to run for approximately 3 minutes with the winterizing loop hose attached.
8. Open Valve labeled Heat Bypass for 30 seconds to allow antifreeze to circulate through valve, then gently close.
9. Insert the chemical inlet and prime discharge tubes into anti-freeze. Turn the chemical valve to PRIME until anti-freeze begins to flow out of the prime hose. Use a 50/50 mix antifreeze/water mix if using green auto antifreeze, or full-strength red antifreeze to winterize the chemical injection system.
10. Spray Spartan Lube All or WD-40 into Lubrication cup at front of machine.
11. Now turn the chemical valve and flow simulator valves to the open position, making certain that the flow meter indicates flow and that all antifreeze drains out of the chemical hose into an approved container, after 30 seconds, turn off both valves.
12. Drain waste tank, fresh water tanks. If unit has a water softener empty. If unit has a waste tank pump out, pump dry.
13. Run auxiliary water tank demand pump dry.

### Everest HIGH PRESSURE Units only.

Turn solution pressure valve to high pressure and key the high-pressure wand until anti-freeze begins to come out of the wand. Although in the HP Circuit, winterize the at a low pressure so not to damage the chemical injector pump. Recover all anti-freeze into an approved container.

After completing these procedures, shut the unit down. The unit is now winterized.

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