

APPLICATION GUIDELINES

Douglas ProTech Winterizers

Five Star Winterizer • Winter Chem Winterizer • Freeze Free Winterizer

The following application instructions apply to the above Douglas ProTech Winterizer products and are:

- Formulated for winter storage use at full strength, with no mixing or diluting.
- Formulated for use in potable (drinking) water & fresh water systems.
- Non-toxic and biodegradable, safe for draining to sewer and septic systems.

For Winter Tone Winterizer: Contact manufacturer for application guidelines.

RV Winterizing Instructions

Prepare

- Drain all holding tanks and water heaters. Drain water lines using the water system pump.
- Open all valves and use air to evacuate remaining water from the entire system.

Apply Product

- Close all valves and add Winterizer to the system's main water tank.
- Engage system water pump, then open & close faucets one at a time. Allow each faucet to run for five seconds after Winterizer appears in the stream.
- Pour Winterizer in each drain to ensure traps are adequately protected from freezing.

De-Winterize System

- Flush system multiple times with fresh water to remove all winterizer.
 - Refill water supply tank with fresh water.
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Swimming Pool Winterizing Instructions

Prepare

- Drain pool water level below the lowest inlet fitting; open fully all valves in the system, allowing water to drain from all lines. To speed draining and remove as much water as possible from the system, compressed air can be blown into the lines.
 - Remove all drain plugs from the pump hair and lint pot, filter tank, selector valve and heat exchanger on the heater.
 - Remove front and rear plugs from heater and headers.
 - Remove and store skimmer and pump strainer basket and filter pressure gauge.
- When draining is complete, coat plugs with waterproof grease and replace in equipment.
- Place winterizing plugs in inlets and skimmer before adding winterizer.
- Return pool to normal winter water level.

Apply Product

- Add Winterizer directly to plumbing and recirculation piping:
 - Pour product into skimmer until full; plug skimmer then pour several inches of product on top of skimmer.

- Pour product into pump hair and lint pot and return lines, fill completely.
- For hard-to-reach plumbing lines that cannot be gravity filled, use a funnel, hand pump and flexible tubing or hose to add product.

De-Winterize System

- Although it is not necessary to drain Winterizer from the pool plumbing when returning the pool to operational use, it is a good practice. Drain Winterizer from pool equipment and plumbing following draining instructions above.

Marine Winterizing Instructions

Follow instructions from your system's owners manual for adding winterizer and de-winterizing; the below are general guidelines for marine craft.

Marine Head

- Shut off all intake lines to the head and drain head system.
- Add Winterizer to the circulation tank. Circulate Winterizer throughout entire head system.

Fresh Water System

- Drain water from holding tanks and water heater. Bypass or isolate the hot water heater.
- Pump Winterizer through the water system.
- Open all faucets and valves, then engage pump. Close each faucet after Winterizer color appears undiluted.
- For additional protection, pour Winterizer in the water heater.

Bilge

Add Winterizer anywhere in bilge/boat hull where water may accumulate, to prevent stress to the hull from freezing water.

Marine Engines

Follow instructions in the engine system owner's manual for adding Winterizer.

De-Winterize System

- Flush system multiple times with fresh water to remove all Winterizer; capture and safely dispose of product.
- Sanitize fresh water system according to owner's manual.

Guidelines for Winterizing Pumps and Other Equipment

Winterizers can be used for a range of outdoor equipment, including pumps, soda machines, ice machines, chillers, fountains, drilling systems, equipment at water parks and amusement parks, and many more applications. Follow instructions in the owner's manual for adding Winterizer.

Find Safety Data Sheets and instructions for all Winterizer products at douglasprotech.com/winterizers.