

Winterization Procedure **Must** be Completed by a Licensed Plumber

Failure to properly winterize unit can result in thousands of dollars in damage.

BUNKHOUSE INSTRUCTIONS FOR WINTERIZING

-**Note:** All ball valves (#1,4,5,6,8,9) **NOT** charged with antifreeze need to be in the half **open** position once winterizing is complete. If valve is fully **closed** to hold pressure, open and close that valve twice to allow any trapped water to be displaced. Failure to do so may cause damage to the valve and will need to be replaced.

-To winterize you will need about 20 gallons of antifreeze and the trailer needs to be level.

-Be sure to disconnect the main water feed located under the unit near the middle before draining.

Drain Water Lines:

- Turn off the hot water heater (HWH) electrical disconnect located on back wall above the HWH
- Drain the HWH by **opening** valve (#3) at the bottom of the tank with the black hose attached
- **Close** 2 valves (#5 and 6 that are parallel to each other above the HWH (Avoid antifreeze entering HWH)
- **Open** the by-pass valve (#4) in the middle of those two valves that are parallel
- The hot water tank must be drained prior to moving unit
- **Close** the valves feeding the toilet (located under the toilet tank)
- Flush the toilets to dispose of the water in the bowl and tank
- **Open** valve near the floor beside HWH (#6) to drain the line from the toilet.

Blow out Water lines:

- **Close** valves (#1) before located on right of HWH low.
- Air can be applied to entire unit from the end room
- Attach an air pump or compressor to the line near the pressure gauge until 70psi is reached
- **Open** all sink and shower faucets and valves (8,9,10, 11) until water has been removed.

Adding Antifreeze to Lines:

- With a pump and a length of garden hose, connect hose to spigot (#10) (blue valve handle)
- Be sure all drain valves are closed throughout unit
- Use a pail of plumber's antifreeze to feed pump and fill water lines, fill pail as needed
- With the hot and cold water lines charged with plumber antifreeze run the sink hot and cold taps until antifreeze is visible. Be sure to fill p-traps with antifreeze.
- Run the shower hot/cold water taps until antifreeze is visible and fill p-traps
- **Open** the valve on the toilet (located under the toilet tank) just enough to allow the antifreeze into the toilet tank (roughly 2" on bottom)
- Remove lid on tank and pour antifreeze into the stand pipe of the toilet tank
- Sponge out or use a shop-vac to clear any water out of the toilet bowl and tank then add 4" of plumber antifreeze in toilet bowls.
- Turn washing machine on normal cycle (warm water) for just a few seconds to let water into washer basin.

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➤ **Valve Position Guide for Draining Bunkhouse**

- VALVE 1. OPEN (TAP FOR MUNICIPAL)
- VALVE 2. OPEN (DRAIN)
- VALVE 3. OPEN (HWH DRAIN)
- VALVE 4. OPEN (BY-PASS)
- VALVE 5. OPEN (HOT WATER OUT HWH)
- VALVE 6. OPEN (HOT WATER HEATER COLD IN)
- VALVE 7. OPEN (ROOM SHUT-OFF)
- VALVE 8. OPEN (DRAIN IN WATER HEATER CLOSET)
- VALVE 9. OPEN (DRAIN IN WATER HEATER CLOSET)
- VALVE 10. OPEN (SPIGOT TO WINTERIZE ROOM)
- VALVE 11. OPEN (SHOWER DRAIN UNDER VANITY)
- VALVE 12. OPEN (DRAIN UNDER VANITY)
- VALVE 13. OPEN (DRAIN UNDER VANITY)

Valve Position Guide for Winterizing Bunkhouse

- VALVE 1. CLOSED (TAP FOR MUNICIPAL)
- VALVE 2. CLOSED (DRAIN)
- VALVE 3. CLOSED (HWH DRAIN)
- VALVE 4. OPEN (BY-PASS)
- VALVE 5. CLOSED (HOT WATER OUT HWH)
- VALVE 6. CLOSED (HOT WATER HEATER COLD IN)
- VALVE 7. CLOSED (ROOM SHUT-OFF)
- VALVE 8. CLOSED (DRAIN IN WATER HEATER CLOSET)
- VALVE 9. CLOSED (DRAIN IN WATER HEATER CLOSET)
- VALVE 10. CLOSED (SPIGOT TO WINTERIZE ROOM)
- VALVE 11. CLOSED (SHOWER DRAIN UNDER VANITY)
- VALVE 12. CLOSED (DRAIN IN BEDROOM CLOSET)
- VALVE 13. CLOSED (DRAIN UNDER VANITY)