

INSULATED WATER CASK

DESCRIPTION AND CARE

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1. GENERAL

1.01 This section covers the description and care of the B and C Water Casks which are insulated storage containers for drinking water and are primarily intended for use on motor vehicles.

1.02 This section is reissued to change description of the sizes and construction of available water casks, to delete the use of pyrophosphate as a cleaning agent and to generally update the section. Since this is a general revision, arrows ordinarily used to indicate changes have been omitted.

1.03 The casks are constructed so they will maintain drinking water at a desirable temperature for a minimum of 8 hours.

1.04 The B and C Water Casks consist of an outer shell and inner shell separated by an insulating material.

1.05 Both casks are furnished in a Grey-Green color and are labeled "Drinking Water."

2. DESCRIPTION AND ORDERING INFORMATION

2.01 The B Water Cask has a galvanized steel outer shell and a stainless steel inner shell. The push button spigot is replaceable and is mounted in a recess in the outer shell to protect it from

damage. The friction-fit lid is equipped with a handle so the lid can easily be placed or removed. Two drop-type handles are mounted on the outer shell for carrying. (See Fig. 1.) The B Water Cask is available in 1, 2, 3, and 5-gallon capacity.



Fig. 1—Insulated Water Cask (External Appearance)

2.02 The C Water Cask has a plastic outer shell and a plastic inner shell and is otherwise identical to the B Water Cask. The C Water Cask is available in the 2-gallon capacity only.

2.03 While the B Water Cask is supplied with two toggle clamp brackets for external mounting on construction vehicles, the C Water Cask is not so equipped.

2.04 Table A shows the size and approximate empty weights of the B and C Water Casks.

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TABLE A

**SIZES, DIMENSIONS, AND WEIGHTS
OF B AND C INSULATED WATER CASKS**

SIZE (gallons)	DIAMETER (inches)	MAX. HEIGHT (inches)	MAX. WEIGHT (pounds)
1	10-7/8	13-7/8	9
2		14-1/4	16
3		19	21
5		28-1/2	28

Note: C Water Cask available only in 2-gallon size.

2.05 When ordering, the type and size must be specified as follows: (Quantity) Cask, Water, (B or C), (Size, as 2 gal).

3. PRECAUTIONS

3.01 All drinking water casks shall be clearly marked as to the contents and only water which has been approved for drinking purposes shall be used in the cask. Water bags should not be used.

3.02 No common drinking utensil shall be used. Paper drinking cups, normally furnished in dispenser, are generally supplied on each truck and should be used.

3.03 When filling a cask, care should be taken to prevent the entrance of foreign matter that could contaminate the cask and water.

3.04 Do not leave water in the cask overnight or over a weekend. The water cask shall be emptied and the lid replaced every night. In the morning, rinse the cask and refill with fresh water or ice and fresh water.

3.05 When cold drinking water is available and reasonable temperatures can be maintained for the length of the work period, ice should not be used.

3.06 When it is necessary to use ice to maintain a suitable temperature over a desired period

of time, crushed ice or ice cubes should be used to prevent damage to the stainless steel or plastic liner. Use ice which is known to be safe for drinking water purposes.

3.07 When cleaning or filling the B or C Water Cask, avoid unsanitary locations. Place the lid upside down on a clean surface when removed.

4. CARE AND CLEANING

4.01 Water casks should be handled with reasonable care. Dropping a water cask or subjecting it to severe shock, particularly when it is full of liquid and ice, can damage the outer and inner shell.

4.02 Placing large pieces of ice in the cask or attempting to break ice in the cask can damage the inner shell. Before placing ice cubes or crushed ice in the cask, it is recommended the cask be about one half full of water to protect the inner shell.

4.03 *Never submerge a water cask; if water leaks into the space between the inner and outer shells, the insulating capabilities of the cask will be reduced.*

4.04 All water casks require periodic cleaning and should be cleaned and sanitized at least once each month. Only the recommended cleaning materials should be used. Abrasive cleaners can damage the inner and outer shell finish.

4.05 To clean and sanitize the B and C Water Casks, the following materials are required:

- (a) Any household detergent.
- (b) Germicide—10 percent solution of a cationic quaternary ammonium germicide is recommended with trade names such as Roccal, Zephiram, Teramine, H101 or Fuldicide. The germicide may be obtained from the manufacturer, drug supply houses, janitorial and restaurant supply dealers, or through the local drugstore.
- (c) A small hand mop (preferably with nylon strands) or sponge mop.
- (d) Teaspoon measure.
- (e) Quart container with spout.

Cleaning The Water Casks

4.06 Clean the water casks as follows:

- (a) In a suitable area, pour about one-half gallon of hot water into the cask and add 2 teaspoons of household detergent.
- (b) Stir to dissolve the cleaner and, using a small hand mop, scrub inside of cask and lid thoroughly. Push the spigot and allow some of the solution to run through.
- (c) Put the lid on and shake the cask; allow the cask to stand for a few minutes.
- (d) After standing, shake the cask again. Remove the lid, run some solution through the spigot, and pour out the remaining solution.
- (e) Rinse the cask and lid with hot water. Run rinse water through the spigot to remove all traces of cleaning solution. Replace the lid.

Sanitizing The Water Cask

4.07 Sanitize the water casks as follows:

- (a) After the cask has been cleaned, pour about one half-gallon of hot water in the cask.

Add 4 teaspoons of germicide (or amount recommended by the manufacturer).

- (b) Replace the lid and shake the cask to wet all inner surfaces. Run some of the solution through the spigot. Allow to stand for several minutes.
- (c) Shake the cask again after it has been allowed to stand, run some of the solution through the spigot, and pour out the remaining solution.
- (d) Rinse thoroughly with hot water, run the rinse water through the spigot in sufficient quantities to insure all trace of sanitizing solution is rinsed away. Repeat rinse cycle several times.

Cleaning and Sanitizing the Hand Mop

4.08 Clean and sanitize the hand mop as follows:

- (a) After cleaning and sanitizing the casks, immerse the hand mop in germicide solution, rinse, and hang in a clean place to dry.
- (b) Replace the hand mop as soon as it becomes worn or soiled.