

**BELL SYSTEM PRACTICES**  
**Outside Plant Construction**  
**and Maintenance**

**SECTION G91.800.1**  
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## INSULATED WATER CASK

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### 1. GENERAL

- 1.01 Insulated water casks are primarily intended for use on motor vehicles to provide a drinking water supply.
- 1.02 Casks are available in four sizes: one, two, three and five-gallon capacity.
- 1.03 The one-gallon size is readily portable. Normally the other sizes are semi-permanently mounted on the motor vehicle.
- 1.04 The cask will retain the water at a reasonably constant temperature over a considerable period of time, the length of time depending on the outside temperature.

### 2. DESCRIPTION

2.01 The cask is similar to an ordinary vacuum jug. It consists of an inner shell of stainless steel or porcelain lined steel, surrounded by an insulating material and enclosed in a steel outer shell.

### 3. PRECAUTIONS

- 3.01 Only water which has been approved for drinking purposes by local health authorities should be used in the cask.
- 3.02 Where practicable, the cask should be filled daily, emptying all remaining water and flushing before refilling.

3.03 When filling the cask, care should be taken to prevent entrance of foreign matter which might contaminate the drinking water.

3.04 The practice of drinking ice water in hot weather may result in serious body disorders and, therefore, the cask should preferably be filled with cold water rather than with ice and water.

3.05 When it is necessary to use ice to maintain the water at a suitable temperature over a desired period of time, ice cubes or crushed ice should be used to avoid chipping the porcelain lining or denting the inner stainless steel shell.

#### 4. CLEANING

4.01 It is essential that the interior of the cask be kept clean in order that the drinking water will remain fresh.

4.02 To clean the cask use a hot water solution of the standard Pyrophosphite Cleaner in the proportions shown on the carton. If this material is not available use a hot water solution of one of the standard household soap powders.

4.03 Do not use abrasive cleaners on the porcelain liner as this will damage the finish.

4.04 After cleaning, the interior of the cask, the lid and the faucet should be thoroughly flushed with clear water to remove all traces of cleaning materials.

4.05 A cask which has not been in use for a period of time or which for some other reason may have developed a disagreeable odor should be thoroughly washed and flushed out before using. Repeat if necessary.