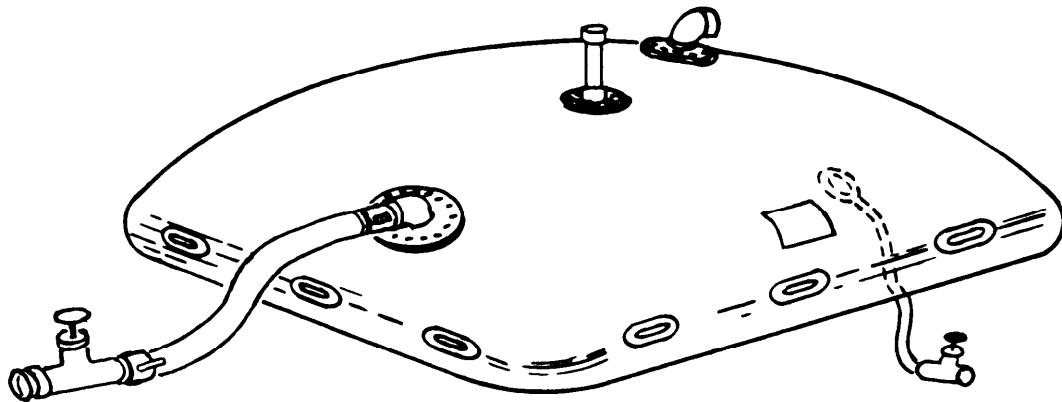


**TM 5-5430-216-13&P**

**OPERATOR AND ORGANIZATION  
MAINTENANCE INSTRUCTION  
REPAIR PARTS AND SPECIAL TOOLS LIST  
FOR  
TANK, FABRIC, COLLAPSIBLE 20,000 GALLON WATER  
NSN 5430-01-106-9678**



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**HEADQUARTERS, DEPARTMENT OF THE ARMY**

29 JANUARY 1987

OPERATOR AND ORGANIZATION  
 MAINTENANCE INSTRUCTION  
 REPAIR PARTS AND SPECIAL TOOLS LIST  
 FOR

TANK, FABRIC, COLLAPSIBLE, 20,000 GALLON WATER  
 MODEL 53029A-20, NSN 5430-01-106-9678  
 MODEL 53029B-20, NSN 5430-01-351-7813

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### REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letterer DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in the back of this manual directly to: Commander, US Army Troop Support Command, ATTN: AMSTR-MMTS, 4300 Goodfellow Blvd., St. Louis, MO 63120-1798. A reply will be furnished directly to you.

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Section I. GENERAL INFORMATION

- 1-1. PURPOSE AND FUNCTION. The 20,000 gallon water tank is a collapsible fabric container designed to store potable water. The collapsible tank is intended for use as a water storage container when large capacity quick storage facilities are needed, and where permanent water storage facilities are not available. It will store water that is off loaded from shipping tankers or pumped from wells, lakes or other water sources. Water is then dispensed to support operations. The tank is primarily used in quick-response deployment operations.
- 1-2. CAPABILITIES. The tank has a capacity of 20,000 gallons (75.71 kiloliters). The tank is compatible with all standard military water storage and handling equipment. The tank can be quickly deployed on flat ground with a minimum of surface preparation.
- 1-3. PERFORMANCE CHARACTERISTICS. The tank is composed of a single ply nylon cloth coated on both sides with an elastomer. Four fittings are bonded into the tank for attaching one vent assembly, two filler/discharge assemblies, and one drain assembly. The tank and components are suitable for operational use at ambient temperatures from plus 125°F (51.7°C) to plus 32°F (0.0°C). The tank materials are designed to resist exposure effects from extreme temperatures, rain, snow, ice, fungi growth and high humidity conditions. Access to the inside of the tank can be made through either filler/discharge fitting. The tank is self-supporting and does not require earth-embankment support.

1-4. DIMENSIONS, WEIGHT, VOLUME.

- a. The following dimensions are for the tank when empty and folded prior to deployment.

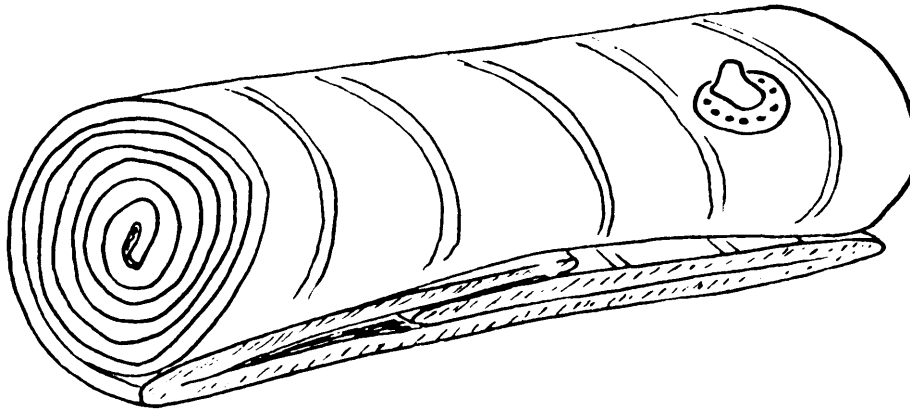


Figure 1-1. Tank Empty and Folded  
Model 53029A-20

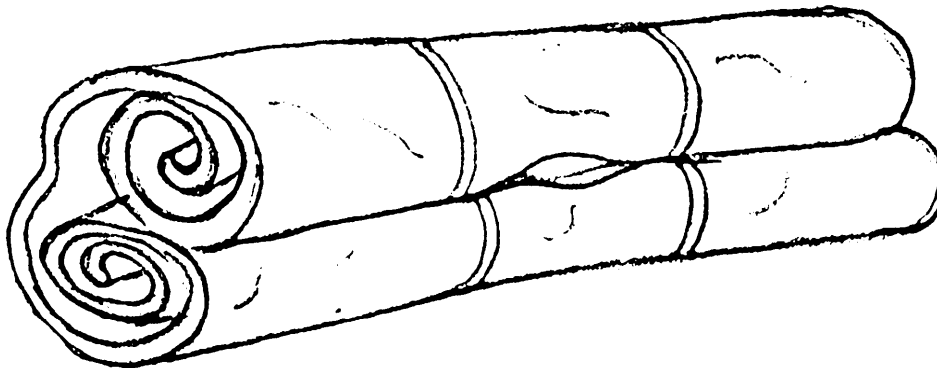


Figure 1-1.1 Tank Empty and Folded  
Model 53029B-20

Height: 1.5 ft (0.45 m)  
Width: 2.66 ft (0.79 m)  
Length: 11.5 ft (3.51 m)  
Weight: 480 lb (217.7 kg)

1-4. DIMENSIONS, WEIGHT , VOLUME (continued).

b. The following dimensions are for the tank when deployed.

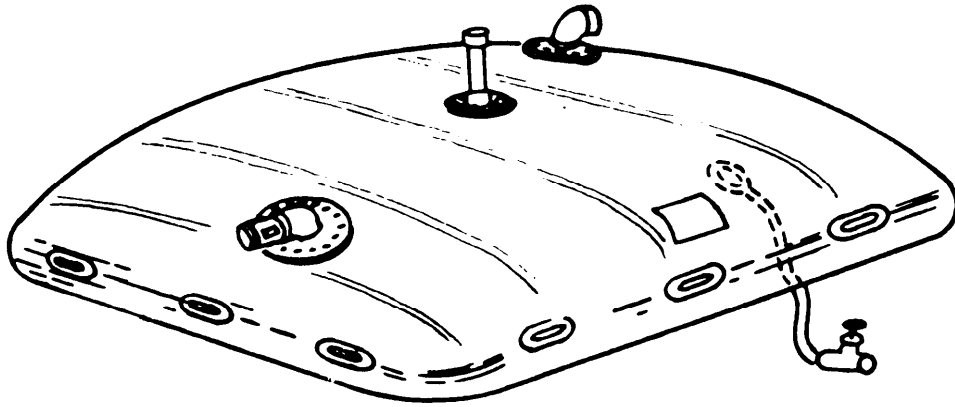


Figure 1-2. Tank Filled  
Model 53029A-20

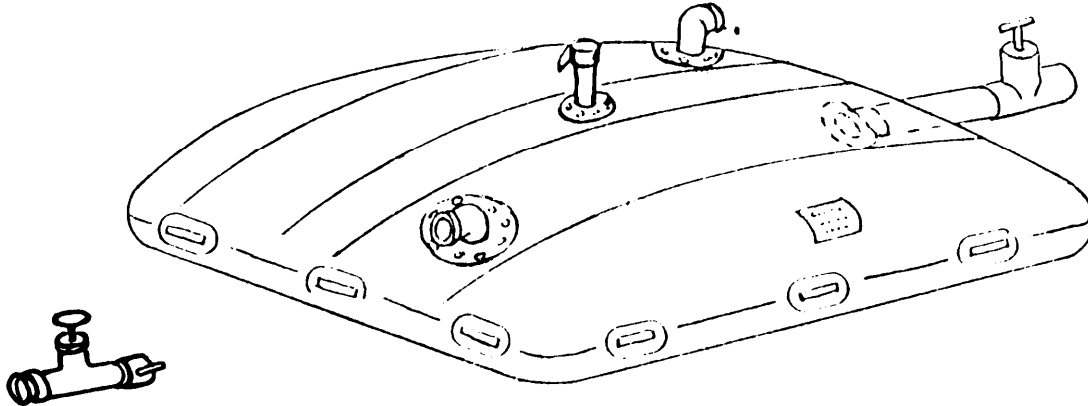


Figure 1-2.1 Tank Filled  
Model 53029B-20

|                             |                                   |
|-----------------------------|-----------------------------------|
| Capacity (Water):           | 20,000 gallons (75.71 kiloliters) |
| Height at Capacity (Water): | 5 ft 6 in. (1.68 m)               |
| Length:                     | 26.5 ft (8.08 m)                  |
| Width:                      | 22.5 ft (6.86 m)                  |