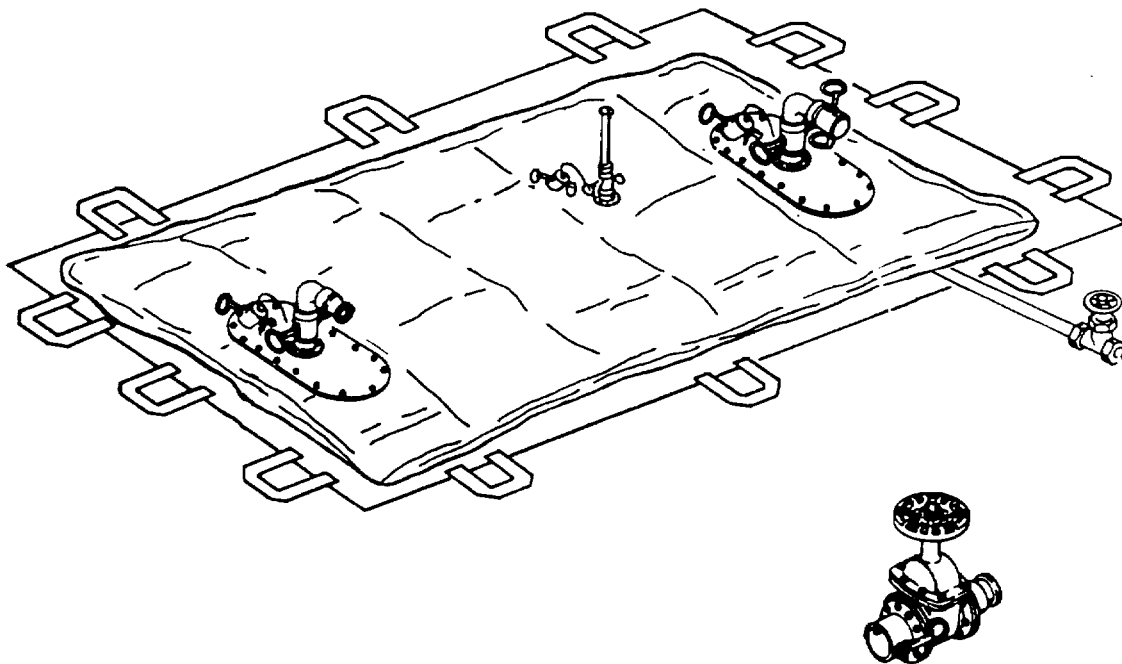


TECHNICAL MANUAL
OPERATOR'S AND UNIT
MAINTENANCE MANUAL
FOR
20,000 GALLON
COLLAPSIBLE FABRIC TANK
NSN 5430-01-106-9678 AND
NSN 5430-01-406-0507
AND
50,000 GALLON
COLLAPSIBLE FABRIC TANK
NSN 5430-01-406-6323

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DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.

* This manual supersedes TM 5-5430-226-12, dated 11 April 1990, including all changes.

HEADQUARTERS, DEPARTMENT OF THE ARMY

22 JANUARY 1997

**Operator's and Unit Maintenance Manual
for
20,000 Gallon Collapsible Fabric Tank
NSN 5430-01-106-9678 and NSN 5430-01-406-0507
and
50,000 Gallon Collapsible Fabric Tank
NSN 5430-01406-6323**

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 these procedures, please let us know. Mail your letter or 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 Aviation and Troop Command, ATTN: AMSAT-I-MP, 4300 Goodfellow Blvd., St. Louis, MO 63120-1798. You may also submit your recommended changes by E-mail directly to <mpmt%avma28@st-louis-emh7.army.mil>. A reply will be furnished directly to you. Instructions for sending an electronic 2028 may be found at the back of this manual immediately preceding the hard copy 2028.

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HOW TO USE THIS MANUAL

Be sure to read all Warnings before using your equipment.

This manual contains operating instructions and Operator and Unit Maintenance instructions for the 20,000 gallon and 50,000 gallon water tanks.

- Chapter 1 - Introduces you to the equipment and gives you information such as weight, height length, generally used abbreviations, cross reference information and principles of operation. The chapter is preceded by a full page illustration of the equipment.

- Chapter 2 - Provides information necessary to identify and use the equipment's operating controls. Operating procedures tell you how to use the equipment in both usual and unusual weather conditions. In addition, preventive maintenance instructions provide information needed to inspect and service the 20,000 gallon and 50,000 gallon water tanks.

- Chapter 3 - Provides operator maintenance instructions for troubleshooting equipment malfunctions and performing emergency repairs.

- Chapter 4 - Provides unit maintenance instructions including service upon receipt, preventive maintenance and troubleshooting information; detailed maintenance and repair procedures for the Unit Maintenance repairer and storage and shipment instructions.

- Appendix A gives you a list of frequently used forms and publications.

- Appendix B is the Maintenance Allocation Chart (MAC). It identifies the type maintenance authorized for each maintenance organization.

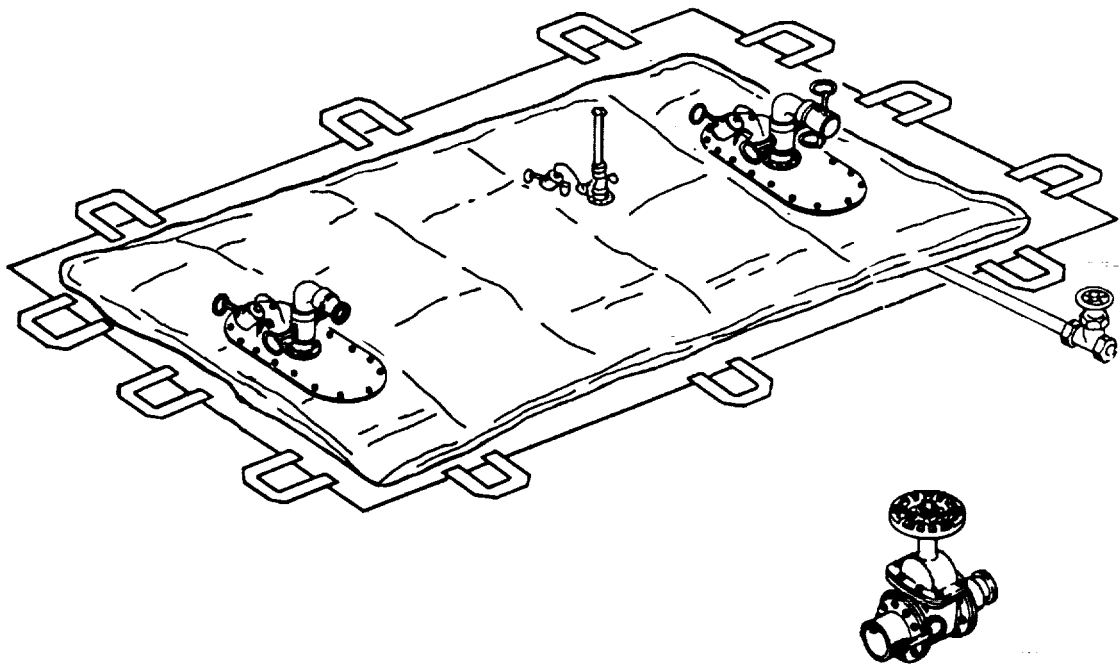
- Appendix C describes components that make up the end item and are shipped with the basic equipment. It also lists components that are not mounted on the equipment, but are required to make the system functional. All components in the Components of End Item and Basic Issue Items Lists are illustrated for easy identification.

- Appendix D provides you with information about expendable/durable supplies such as sealant, paint, lubricants, etc. that you will need when performing maintenance.

- Appendix E lists additional equipment authorized for your unit for use with the water tank, but are not supplied as part of system. This equipment list may include fire extinguishers, buckets, protective clothing etc.

- The Alphabetical Index is the last item in the TM. You will find it useful in locating page numbers about specific information or procedures.

Becoming familiar with this manual will enable you to operate and maintain the equipment in good working order.



CHAPTER 1

INTRODUCTION

- Section I. General Information
- Section II. Equipment Description
- Section II. Principles of Operation

Section I. GENERAL INFORMATION

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1-1. SCOPE.

- a. Type of Manual. This is an Operator's and Unit Maintenance manual for use with the 20K and 50K Gallon Collapsible Fabric Tanks. It provides instructions for operating and maintaining the equipment.
- b. Model Number and Equipment Name. The official equipment nomenclatures are Tank, Fabric, Collapsible, 20,000 Gallon, Drinking Water, specification part number M53029-20, and Tank, Fabric, Collapsible, 50,000 Gallon, Drinking Water, specification part number M53029-50.
- c. Purpose of Equipment. The 20K and 50K Gallon Collapsible Fabric Tanks (Drinking Water) are part of a water distribution system and are used to store and distribute potable water throughout the system.

1-2. MAINTENANCE FORMS AND RECORDS.

Department of the Army forms and procedures used for equipment maintenance will be those prescribed by DA PAM 738-750, The Army Maintenance Management System (TAM MS).

1-3. HAND RECEIPT MANUALS.

No hand receipt manual is available for this equipment.