DEPARTMENT OF THE ARMY TECHNICAL MANUAL

ORGANIZATIONAL MAINTENANCE MANUAL

WATER PURIFICATION UNIT: BASE MOUNTED:

ELECTRIC DRIVEN AC, 120/208-VOLT,

SINGLE-PHASE AND 3-PHASE, 60-CYCLE:

3, 000 GALLONS PER HOUR (MET-PRO MODEL

3000-2700A) FSN 4610-857-0330

This copy is a reprint which includes current pages from Changes 1 & 2

HEADQUARTERS, DEPARTMENT OF THE ARMY
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TECHNICAL MANUAL

No. 5-4610-205-20

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WATER PURIFICATION UNIT: BASE MOUNTED: ELECTRIC DRIVEN, AC, 120/208-VOLT, SINGLE-PHASE AND 3-PHASE, 60-CYCLE: 3, 000 GALLONS PER HOUR (MET-PRO MODEL 3000-2700A) FSN 4610-857-0330

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CHAPTER 1
INTRODUCTION

Section I. GENERAL

1. Scope

a. These instructions are published for the use of the personnel to whom the water purification unit is issued. They provide information on organizational maintenance of the equipment, its accessories, and auxiliaries. This manual also includes instructions for shipment and limited storage.

b. Appendix I contains a list of publications applicable to this manual. Appendix II contains the maintenance allocation chart. The organizational maintenance repair parts and special tool lists are in TM 5-4610-205-20P.

c. Numbers in parentheses on illustrations indicate quantity. Numbers preceding nomenclature callouts on illustrations indicate the preferred maintenance sequence.

d. Report all deficiencies in this manual on DA Form 2028. Submit recommendations for changes, additions, or deletions to the Commanding Officer, U.S. Army Mobility Support Center, ATTN: SMOMS-MM, P.O. Box 119, Columbus, Ohio 43216. Direct communication is authorized.

e. Report all equipment improvement recommendations as prescribed in TM 38-750.

2. Record and Report Forms

a. DA Form 2258 (Depreservation Guide of Engineer Equipment).

b. For other record and report forms applicable to organizational maintenance, refer to TM 38750.

Note. Applicable forms, excluding Standard Form 46 which is carried by the operator, will be kept in a canvas bag and mounted on the equipment.

Section II. DESCRIPTION AND DATA

3. Description

TM 5-4610-205-10 provides a general description of the water purification unit. Specific and detailed descriptions of the components of the water purification unit are provided in the applicable maintenance paragraphs of this manual.

4. Identification and Tabulated Data

a. Identification. Descriptions and locations of identification plates on the water purification unit are listed in TM 5-4610-205-10.

b. Tabulated Data.

(1) Erdlator.

Manufacturer---------- Met-Pro, Inc.
Model ---------- ER 3000A
Capacity 930 gal.

(2) Slurry feeder.

Manufacturer Met-Pro, Inc.
Type 2-compartment
Model SF 3000A

(3) Agitator drive motor.

Manufacturer Howell Electric Motor Co.
Type KC
Horsepower 1/2
Phase 3
Cycle 60
Speed 1, 725 rpm (revolutions per minute)
Volts 208

(4) Agitator speed reducer.

Manufacturer Janette Electric Manufacturing Co.
Model SL 200
Service factor 1.0
Horsepower 1.25