

MIL-F-51342(MU)
3 November 1969
(See section 6)

MILITARY SPECIFICATION
FLAME THROWER, PORTABLE, M9E1-7

1. SCOPE

1.1 This specification covers the M9E1-7 portable flame thrower.

2. APPLICABLE DOCUMENTS

2.1 Government documents. The following documents of the issue in effect on date of invitation for bids or request for proposal, form a part of this specification to the extent specified herein:

SPECIFICATIONS

FEDERAL

- QQ-S-781 - Steel Strapping, Flat.
- PPP-B-601 - Boxes, Wood, Cleated-Plywood.
- PPP-T-60 - Tape: Pressure-Sensitive Adhesive, Waterproof, For Packaging.

MILITARY

- MIL-P-116 - Preservation, Methods of.
- MIL-B-121 - Barrier Material, Greaseproofed, Water-proofed, Flexible.
- MIL-L-21260 - Lubricating Oil, Internal-Combustion Engine, Preservative.
- MIL-G-51203 - Gun, Flame Thrower, Portable, M7.

STANDARDS

MILITARY

- MIL-STD-105 - Sampling Procedures and Tables for Inspection by Attributes.
- MIL-STD-129 - Marking for Shipment and Storage.
- MIL-STD-1168 - Lot Numbering of Ammunition.
- MS18012-5 - Handle, Metal, Spring; Bail Type.

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DRAWINGS

US ARMY MUNITIONS COMMAND

EDGEWOOD ARSENAL

DL81-1-9653 - Flame Thrower, Portable, M9E1-7.

(Copies of specifications, standards, drawings, and publications required by suppliers in connection with specific procurement functions should be obtained from the procuring activity or as directed by the contracting officer.)

3. REQUIREMENTS

3.1 Materials and components.

3.1.1 Materials. All materials cited on Drawing DL81-1-9653 or on the subsidiary drawings shall conform to the specifications thereon or to the specific characteristics set forth on the drawings.

3.1.2 Components. All components of the flame thrower shall conform to the specifications and drawings listed on Drawing DL81-1-9653 and subsidiary drawings.

3.2 Workmanship. The flame thrower assembly shall be free from foreign matter (grease, oil and dirt) and damage such as cracks, and deformation which could affect the intended use.

4. QUALITY ASSURANCE PROVISIONS

4.1 Responsibility for inspection.

4.1.1 Supplier's responsibility. Unless otherwise specified in the contract or purchase order, the supplier is responsible for the performance of all inspection requirements as specified herein. Except as otherwise specified in the contract or order, the supplier may use his own or any other facilities suitable for the performance of the inspection requirements specified herein, unless disapproved by the Government. The Government reserves the right to perform any of the inspections set forth in the specification where such inspections are deemed necessary to assure supplies and services conform to specified requirements.

4.1.2 Objective evidence. The supplier shall provide objective evidence acceptable to the contracting officer that the requirements of 3.1 and section 5 for which specific inspection has not been provided in this specification have been satisfied.

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4.2 Quality conformance inspection.

4.2.1 Lotting. Each lot shall be identified and controlled in accordance with MIL-STD-1168. Contained in any one interfix number of flame throwers, no more than one interfix number from one manufacturer of the following components is permitted:

- (a) M7 gun hardware
- (b) Pressure regulator
- (c) Fuel and pressure unit
- (d) Carrier assembly
- (e) M8 hose

4.2.2 Sampling for examination. Sampling for preparation for delivery shall be conducted in accordance with MIL-STD-105.

4.2.3 Inspection procedure.

4.2.3.1 For examination. Each flame thrower shall be examined in accordance with the list of defects. Any flame thrower found to have a defect shall be rejected. The level A preparation for delivery requirements shall be examined in accordance with the classification of defects and MIL-STD-105.

4.2.3.2 List of defects.

- (a) Flame thrower, portable, M9E1-7 (Drawing E81-1-9653).

Defects

1. Component missing or incorrectly assembled
2. Protective finish missing
3. Workmanship (3.2)

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4.2.3.3 Classification of defects.(a) Preparation for delivery (section 5).CategoriesDefectsCritical: None definedMajor: AQL 1.0 percent defective

101	Drain hole missing in chest
102	Filler pads or fiberboard cells missing
103	Openings and retaining ring not covered and sealed
104	Component not secured to unit
105	Container or package damaged (broken, crushed, torn, punctured or wracked)
106	Container not treated or painted
107	Marking missing, illegible, or incorrect
108	Handles missing

5. PREPARATION FOR DELIVERY

5.1 Cleaning and drying. The flame thrower including components shall be cleaned and dried in conformance with MIL-P-116 using cleaning method C-1 and any applicable drying method listed therein.

5.2 Preservation and packaging. Preservation and packaging levels shall be as specified (see 6.1).

5.2.1 Level A.

5.2.1.1 Hose. Hose fittings shall be wrapped with grade A, class 2 greaseproof barrier material conforming to MIL-B-121. The wrap shall be secured in place with class 2 or 3 pressure-sensitive tape conforming to PPP-T-60. Hose ends shall be closed with plastic caps.

5.2.1.2 Gun. The flame thrower gun shall be preserved and packaged in accordance with the level A requirements of MIL-G-51203.

5.2.1.3 Fuel and pressure unit. The interior of the fuel tanks shall be completely coated by slushing, fogging, filling or flushing with preservative oil conforming to grade 2 or 3 of MIL-L-21260. All excess oil shall be drained from the tanks. The fuel tank drain shall be closed by inserting the plug provided. The fuel tank filler openings and filler cap threads shall be coated with the same oil and replaced. The bleeder valves shall be removed from the filler caps and the threads shall be coated with the above oil. The bleeder valves shall be replaced. The

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spring lock on the retaining ring shall be oiled with type preservative oil conforming to grade 2 or 3 of MIL-L-21260. The unpainted surfaces of the retaining ring shall be coated with the same oil.

5.2.1.4 Technical publications. Technical publications shall be packaged in accordance with method IC-3 of MIL-P-116.

5.2.2 Level C.

5.2.2.1 Hose. Each hose shall be cleaned in accordance with 5.1 and have the end openings closed with plastic caps.

5.2.2.2 Gun. Each gun shall be cleaned in accordance with 5.1 and packaged in accordance with 5.2.1.2 except the moisture-vaporproof barrier wrap is not required and the box and interior supports may be of domestic grade material.

5.3 Packing.

5.3.1 Level A. Each flame thrower, consisting of one hose, one gun, one fuel and pressure unit, one carrier assembly and the technical publications required, shall be packed in a cleated plywood box conforming to overseas type, style A of PPP-B-601 except as modified on Drawing D81-1-9730. The plywood divider shall be stored flat and act as a divider between the fuel and pressure unit and the carrier assembly (see 6.3). The gun shall be placed as shown on Drawing D81-1-9730. Cushioning and blocking shall be provided as necessary to prevent free movement of the contents of the box. The box shall be closed and the latches fastened. The cover shall be further secured by eight no. 10 2-inch flat-head wood screws, evenly spaced around the top of the box, two each side. The box shall be strapped with type I, class B strapping conforming to QQ-S-781, in accordance with the appendix to PPP-B-601. The hose shall be secured by taping the ends to the fuel and pressure unit frame with tape conforming to class I of PPP-T-60.

5.3.2 Palletization. Palletization shall be in accordance with Drawing C81-1-9718.

5.4 Marking. In addition to any special marking required by the contract or order, unit packages and the shipping container shall be marked in accordance with MIL-STD-129.

6. NOTES

6.1 Ordering data. Procurement documents should specify the following:

- (a) Title, number, and date of this specification.
- (b) Type and color paint required.
- (c) Level of packaging required.

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6.2 Component specifications. The following specifications are required for the manufacture of the portable flame thrower.

- MIL-H-51059 - Hose, Fuel, Flame Thrower, M8.
- MIL-G-51202 - Gun, Portable Flame Thrower, M7; Components For.
- MIL-G-51203 - Gun, Flame Thrower, Portable, M7.
- MIL-R-51242 - Regulator, Pressure, Flame Thrower.
- Purchase Description 196-131-888 - Fuel and Pressure Unit, Portable Flame Thrower, M9E1.
- Purchase Description 196-131-889 - Carrier Assembly; For M9E1-7 Portable Flame Thrower.

6.3 Plywood divider. When the flame thrower has been unpackaged and unpacked, a plywood divider shall be inserted in the 1/2 by 1/2 by 12 inch wood cleats to form a compartment for the unpackaged gun with attached hose.

6.4 Supersession data. This specification supersedes Edgewood Arsenal Purchase Description 196-131-887, dated 25 September 1967.

Custodian:

Army - MU

User activity:

Navy - MC

Preparing activity:

Army - MU(EA)

Project No. 1040-A107

SPECIFICATION ANALYSIS SHEET		Form Approved Budget Bureau No. 22-R255
<p>INSTRUCTIONS: This sheet is to be filled out by personnel, either Government or contractor, involved in the use of the specification in procurement of products for ultimate use by the Department of Defense. This sheet is provided for obtaining information on the use of this specification which will insure that suitable products can be procured with a minimum amount of delay and at the least cost. Comments and the return of this form will be appreciated. Fold on lines on reverse side, staple in corner, and send to preparing activity. Comments and suggestions submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or serve to amend contractual requirements.</p>		
SPECIFICATION		
ORGANIZATION		
CITY AND STATE		CONTRACT NUMBER
MATERIAL PROCURED UNDER A <input type="checkbox"/> DIRECT GOVERNMENT CONTRACT <input type="checkbox"/> SUBCONTRACT		
1. HAS ANY PART OF THE SPECIFICATION CREATED PROBLEMS OR REQUIRED INTERPRETATION IN PROCUREMENT USE? A. GIVE PARAGRAPH NUMBER AND WORDING.		
B. RECOMMENDATIONS FOR CORRECTING THE DEFICIENCIES		
2. COMMENTS ON ANY SPECIFICATION REQUIREMENT CONSIDERED TOO RIGID		
3. IS THE SPECIFICATION RESTRICTIVE? <input type="checkbox"/> YES <input type="checkbox"/> NO (If "yes", in what way?)		
4. REMARKS (Attach any pertinent data which may be of use in improving this specification. If there are additional papers, attach to form and place both in an envelope addressed to preparing activity)		
SUBMITTED BY (Printed or typed name and activity - Optional)		DATE

TO DETACH FORM - CUT ON THIS LINE

DD FORM 1426
1 JAN 66

REPLACES EDITION OF 1 OCT 64 WHICH MAY BE USED.

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