INCH-POUND

A-A-52190
August 10, 1994

COMMERCIAL ITEM DESCRIPTION

DISPENSER, LIQUID, INSULATED

The General Services Administration has authorized the use of this commercial item description in preference to MIL-D-43916 for all federal agencies.

1. SCOPE

1.1 Scope. This commercial item description covers plastic insulated liquid dispensers for transporting hot or cold beverages.

1.2 Classification. The liquid dispensers shall be in the following sizes and classes (see 5.2):

Size 1 - 2-1/2 gallon capacity
Size 2 - 5 gallon capacity

Class 1 - Brown (color No. 30279)
Class 2 - Green (color No. 34094 or 34095)

1.2 CID based part identification number (PIN). A document based PIN to identify sizes and classes is included in section 5. This identification numbering procedure is for Government purposes and does not constitute a requirement for the contractor.

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be used in improving this document should be addressed to: U.S. Army Natick, Research, Development, and Engineering Center, ATTN: SATNC-WEE, Natick, MA 01760-5018 by using the Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

AMSC N/A

FSC 7320

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

2. SALIENT CHARACTERISTICS

2.1 Design. The liquid dispenser shall consist of a sealed insulated body with a faucet, two carrying handles, four snap action stainless steel cover latches, and a cover with a gasket. The liquid dispenser shall have the following maximum dimensions (see figure 1):

Size	Width (inches)	Length (inches)	Height (inches)
1	9	17	18-1/2
2	9	17	24-1/2

The dispensers shall stack and rest one upon another without binding or wobbling.

2.1.2 Body. The body's inner shell and outer shell shall be made of high density plastic, which is FDA food grade approved, and contain urethane foam insulation to comply with the thermal performance requirements specified in 2.2. A recessed faucet shall be located on the 9-inch wide side. The faucet and cover latches shall not extend beyond the surface of the dispenser. Clearance between the bottom of the dispenser and the bottom of the faucet shall not be less than 4 inches. The faucet shall be located at the lowest point of the inner surface which shall be sloped to provide complete drainage.

2.1.3 Cover. The cover shall be sealed, double walled, made of high density plastic, and contain urethane foam insulation to comply with the thermal performance requirements specified in 2.2. The top surface of the cover shall have four depressions to accommodate the cover latches and a hand grip for removing the cover. The cover shall be furnished with a removable gasket and an anti splash air-vent.

2.1.4 Faucet. The faucet shall have two positions, self closing and continuous flow type, and shall be easily removed from the dispenser for cleaning and reassembling without the use of tools. The faucet body, bonnet and handle shall be made of black nylon.

2.2 Thermal performance.

2.2.1 Hot. When the dispenser is filled with water at a temperature of 180°F ±2°F, the dispenser shall lose no more than 40°F in a 4 hour period when tested at -20°F ±5°F. Prior to testing, the test dispenser shall be preheated by filling with

water at a temperature of 180°F ± 5°F, installing the dispenser cover, and holding for 10 minutes, empty, and then test as specified above.

2.2.2 Cold. When the dispenser is filled with water at a temperature of 33°F +2°F, -0°F, the dispenser shall gain no more than 12°F in a 4 hour period when tested at 120°F ±5°F. Prior to testing, the test dispenser shall be pre-chilled by filling with a mixture of ice and water, installing the dispenser cover, and holding for 10 minutes, empty, and then test as specified above.

2.3 Codes and standards. The insulated food containers shall comply with the requirements of NSF International Standard No. 18.

2.4 Molded identification marking ("Government unique" requirement see 5.4). When specified (see 5.2), the insulated liquid dispenser shall be furnished with it's identification information molded into the surface of the container, and shall meet the applicable NSF International sanitary requirements. The information required shall be as follows:

National Stock Number
Manufacturer's Name and Address
Manufacturer's Model Number

2.5 Finish. The surface of the liquid dispenser shall comply with the finish requirements of NSF International Standard No. 18. If the exterior surface is textured, a smooth area shall be centered on one end for attachment of a stick-on label for identifying contents by the user.

2.5.1 Caution. Each liquid dispenser shall be permanently, conspicuously, and legibly marked with the following;

DO NOT USE FOR MILK OR MILK PRODUCTS

2.6 Workmanship. The liquid dispensers shall be complete, clean and free of scratches, dents, breaks, sharp edges and corners, and deformities.

2.7 Classes ("Government unique" requirement see 5.4). The body and cover of the two sizes of dispensers shall be either brown (class 1) conforming to color No. 30279 of FED-STD-595, or green (class 2) conforming to color No. 34094 or 34095 of FED-STD-595 (see 5.2).

3. QUALITY ASSURANCE PROVISIONS

3.1 Contractor certification. The contractor shall certify, and maintain substantiating evidence, that the produet offered meets the salient characteristics and requirements of this Commercial Item Description, and except for any Government unique requirements specified, conforms to the producer's own drawings, specifications, standards, and quality assurance practices, and is the same product offered for sale in the commercial marketplace, or is the same product that has successfully been delivered to the Government on a previous contract or purchase order. The Government reserves the right to require proof of such conformance prior to first delivery and thereafter as may be otherwise provided for under the provisions of the contract.

3.2 Metric products. Products manufactured to metric dimensions will be considered on an equal basis with those manufactured using inch-pound units, provided they fall within the tolerances specified using conversion tables contained in the latest revision of FED-STD-376, and all other requirements of this Commercial Item Description are met. If a product is manufactured to metric dimensions and those dimensions exceed the tolerances specified in the inch-pound units, a request should be made to the contracting officer to determine if the product is acceptable. The contracting officer has the option of accepting or rejecting the product.

3.3 Regulatory requirements. The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with paragraph 23.403 of the Federal Acquisition Regulation (FAR).

3.4 NSF International standard compliance. Prior to approval of the first shipment, the contractor shall submit satisfactory evidence to the contracting officer or his authorized representative that the liquid dispensers conform to the applicable requirements of NSF International Standard No. 18. Acceptable evidence of meeting the requirements of NSF International Standard No. 18 shall be a listing in the current edition of the NSF International "Listing of Food Service Equipment" and display of the NSF International mark on the finished product, or a certified test report from a recognized independent laboratory acceptable to the medical authority of the Government indicating the item complies with the applicable NSF International requirements. Acceptability of the testing laboratory by the medical authority of the Government will be obtained prior to the award of any contract of procurement document.

4. PACKAGING

4.1 Packing. Packing shall be commercial or export as specified (see 5.2).

4.1.1 Commercial packing. The liquid dispensers shall be packed and unitized in accordance with ASTM D 3951.

4.1.2 Export packing. Each liquid dispenser shall be packed in a snug-fitting fiberboard shipping container conforming to style RSC, water resistant grade, V3c, V3s, or V4s of ASTM D 5118. Each shipping container shall be closed and waterproofed in accordance with ASTM D 1974.

4.2 Palletization. When specified (see 5.2), shipping containers shall be palletized in accordance with MIL-STD-147.

4.3 Marking (commercial and export). Marking of shipping containers and palletized unit loads shall be in accordance with MIL-STD-129 or ASTM D 3951, as applicable.

5. NOTES

5.1 Intended use. The insulated liquid dispensers are intended for use in transporting either hot (180°F to 200°F) or cold (35°F to 40°F) liquids to remote field feeding sites.

5.2 Acquisition requirements. Acquisition documents must specify the following:

a. Title, number and date of this document.
b. Size and class of dispensers required (see 1.2, 2.1, and 2.7).
c. When molded identification marking is required (see 2.4).
d. Type of packing required (see 4.1).
e. When palletization of shipping containers is required (see 4.2).

5.3 Sources for documents.

5.3.1 Sources for nongovernment association documents.

ASTM D 1974 - Methods of Closing, Sealing and Reinforcing Fiberboard Shipping Containers

ASTM D 3951 - Standard Practice for Commercial Packaging

ASTM D 5118 - Standard Practice for Fabrication of Fiberboard Shipping Boxes

These methods are available from:

The American Society for Testing and Materials
(ASTM)
1916 Race Street
Philadelphia, PA 19103-1187

NSF International Standard No. 18 - Manual Food & Beverage Dispensing Equipment, is available from:

NSF International
3475 Plymouth Road
P.O. Box 1468
Ann Arbor, MI 48106

5.3.2 Source for Government documents. Copies of military and federal documents are available from:

Standardization Documents Order Desk
Building 4D
700 Robbins Avenue
Philadelphia, PA 1911-5094, or

Federal Supply Service Bureau
Specification Section (3FPB-W)
Suite 8100
470 East L'Enfant Plaza, SW
Washington, DC 20407

5.4 "Government unique" requirements. Whenever a "Government unique" requirement is included in the title of a paragraph under "Salient Characteristics", it is meant that the requirement is something that is not normally offered to the commercial marketplace by the manufacturer.

5.5 Part identification number (PIN). The PIN's to be used for items required by this CID are created as follows:

A 52190 -1 -1 (Example of a PIN: A52190-1-1)

- -1 (last): Class
- -1 (middle): Size
- 52190: CID number
- A: Designates a Commercial Item Description

MILITARY INTERESTS:

Custodians

Army - GL
Navy - SA
Air Force - 99

Review Activities

Army - AV, MD, QM
Navy - MC
Air Force - 35, 84
DLA - GS

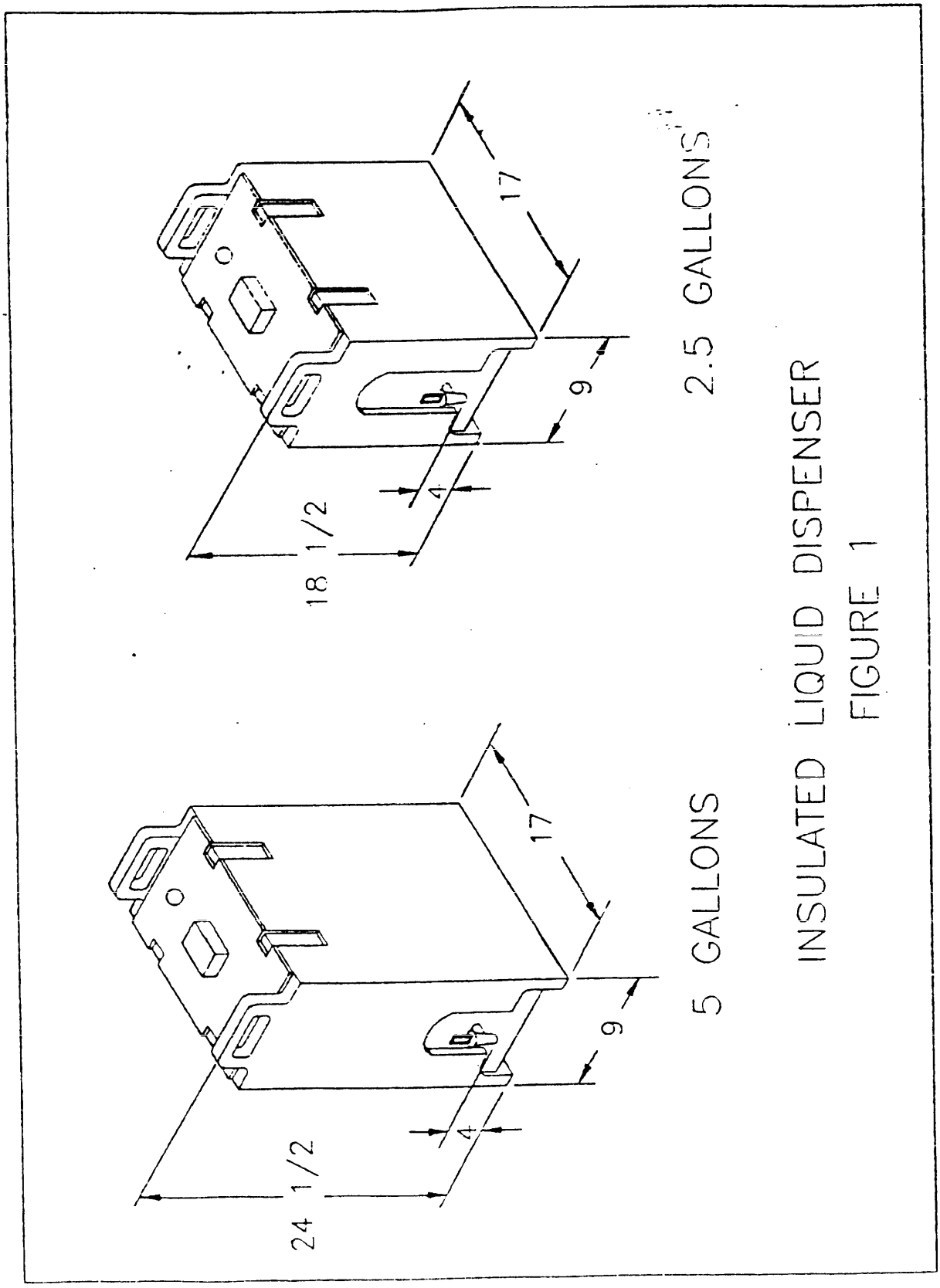
CIVIL AGENCY COORDINATING ACTIVITY:

GSA - FSS

PREPARING ACTIVITY:

Army - GL

(Project 7320-0930)



INSULATED LIQUID DISPENSER
FIGURE 1

STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

INSTRUCTIONS

1. The preparing activity must complete blocks 1, 2, 3, and 8. In block 1, both the document number and revision letter should be given.
2. The submitter of this form must complete blocks 4, 5, 6, and 7.
3. The preparing activity must provide a reply within 30 days from receipt of the form.

NOTE: This form may not be used to request copies of documents, nor to request waivers, or clarification of requirements on current contracts. Comments submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or to amend contractual requirements.

I RECOMMEND A CHANGE:	1. DOCUMENT NUMBER	2. DOCUMENT DATE (YYMMDD)
	A-A-52190	94-08-10

3. DOCUMENT TITLE

DISPENSER, LIQUID, INSULATED

4. NATURE OF CHANGE (Identify paragraph number and include proposed rewrite, if possible. Attach extra sheets as needed.)

5. REASON FOR RECOMMENDATION

6. SUBMITTER

a. NAME (Last, First, Middle Initial)	b. ORGANIZATION	
c. ADDRESS (Include Zip Code)	d. TELEPHONE (Include Area Code) (1) Commercial (2) AUTOVON (If applicable)	7. DATE SUBMITTED (YYMMDD)

8. PREPARING ACTIVITY

a. NAME	b. TELEPHONE (Include Area Code)	
U.S. Army Natick RD&E Center	(1) Commercial 508-651-5175	(2) AUTOVON /DSN 256-5175
c. ADDRESS (Include Zip Code) Commander, U.S. Army Natick RD&E Center ATTN: SATNC-WEE Natick, MA 01760-5018	IF YOU DO NOT RECEIVE A REPLY WITHIN 45 DAYS, CONTACT: Defense Quality and Standardization Office 5203 Leesburg Pike, Suite 1403, Falls Church, VA 22041-3466 Telephone (703) 756-2340 AUTOVON 289-2340	