[INCH-POUND]
A-A-1075B
December 3, 1996
(SUPERSEDING)
A-A-1075A
February 21, 1990

COMMERCIAL ITEM DESCRIPTION

JUG, INSULATED (Water Cooler)

The General Services Administration has authorized the use of this commercial item description for all Federal agencies.

1. SCOPE

1.1 Scope. This commercial item description (cid) covers insulated jugs used for storing and dispensing of cool liquids (primarily water).

2. CLASSIFICATION

2.1 The insulated jugs shall be available in the following sizes as specified (see 7.2).

Size Number	Rated Capacity
2	2 gallons (7.57 L)
3	3 gallons (11.4 L)
5	5 gallons (18.9 L)

3. SALIENT CHARACTERISTICS

3.1 Material and construction. The outer jacket of the insulated jug shall be formed from ultraviolet stabilized high density polyethylene (HDPE), or acrylonitrile-butadiene-styrene (ABS). The inner liner shall be formed from HDPE, linear low density polyethylene (LDPE), impact polypropylene (PP), high impact polystyrene (HIPS), or a suitable plastic. The space between the inner liner and outer jacket shall be filled with foam urethane insulation (CFC-free). The opening of the inner liner shall have a minimum diameter of 6 inches (15.2 cm). The cover shall be made from HDPE or ABS. The cover shall be designed to provide a tight seal, retain its position under normal conditions of transportation, and prevent excessive temperature loss. The minimum capacity of the insulated jugs shall be not less than 90 percent of the rated capacity.

3.1.1 Faucet. The insulated jug shall have a faucet which is recessed so as not to protrude beyond the outer jacket diameter unless provided with a guard.

Beneficial comments, recommendations, additions, deletions, clarifications, etc. and any data which may improve this document should be sent to: General Services Administration, Engineering Group (7FXEE), 819 Taylor St., Fort Worth, TX 76102

3.1.2 Cup dispenser lug. Except for the size 2, the insulated jug shall be provided with a cup dispenser mounting bracket/lug.

3.1.3 Handle. The insulated jug shall be provided with one or two handles. If one handle is provided, it shall be a bail handle. If two handles are provided, they shall extend from opposing sides of the outer jacket in a manner which enables the jug to be lifted by using one or both of the handles (depending upon the loaded weight).

3.2 Performance requirements.

3.2.1 Leakage. The insulated jug shall be capable of holding 90 percent of its rated capacity of water for a period of 8 hours with a maximum of one-quarter (1/4) percent (weight basis) water loss. Any leakage observed through the spigot shall render the sample a defective product.

3.2.2 Thermal retention. When tested for thermal retention properties as detailed below, the water/ice temperature in the jug shall not rise above 50 °F (10 °C). Prior to testing, the jug shall be conditioned at a temperature of 66 to 74 °F (19.4 to 23.3 °C) and then filled with small cubed ice (type available at convenience store) to the rated capacity. The jug (with cover in place) shall then be placed in an environment controlled at 110°F maximum (43 °C) for 24 hours. At the end of 24 hours the temperature of the water/ice shall be measured and must not exceed 50 °F (10 °C). A similar commercial testing protocol which demonstrates equal or better thermal retention may be used in place of the stated procedure.

3.2.3 Drop and impact resistance. The insulated jug filled with water shall be capable of surviving a minimum of five drops from a height of 36 inches onto a steel base without evidence of breakage, leakage (increase in weight), or loosening of the cover from the jug.

3.2.4 Handle strength. The insulated jug handles shall not break, fracture, or permanently deform when subjected to the following procedure. The insulated jug shall be loaded with lead shot weighing one and one-half times the water weight of the jug's full rated capacity. The jug shall then be lifted by the handle(s) 4 feet above the ground, held in that position for 30 minutes, and then lowered back to ground level. This cycle shall be repeated five times without interruption. A similar commercial testing protocol which demonstrates equal or better handle strength may be used in place of the stated procedure.

3.3 Marking. The insulated jug shall be permanently labeled with the OSHA Standard "DRINKING WATER" imprint, prominently displayed in accordance with 29 CFR 1910. The insulated jug shall be permanently marked with the manufacturer's name, trade name, or trademark of such known character that the source may be readily determined.

3.4 Workmanship. The insulated jug shall be clean and free of burrs, rough surfaces, sharp edges, and any other defects which may affect appearance or serviceability. The cover shall fit properly and be free of holes and open seams.

Reinforcing rod 2/

3.5 Metric products. Products manufactured to metric dimensions will be considered on an equal basis with those manufactured using inch-pound units, providing they fall within tolerances specified and all other requirements of this document 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.

4. REGULATORY REQUIREMENTS

4.1 FDA compliance. Materials in contact with stored water shall comply with the applicable requirements of 21 CFR 177. The jugs shall conform to the U.S. Department of Health, Education and Welfare, Public Health Service, Food and Drug Administration, DHEW Publication 78-2081, Food Service Sanitation Manual.

4.2 Recovered materials. 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).

5. QUALITY ASSURANCE PROVISIONS

5.1 Product conformance. The products provided shall meet the salient characteristics of this commercial item description, conform to the producer's own drawings, specifications, standards, and quality assurance practices and be the same product offered for sale in the commercial market. The Government reserves the right to require proof of such conformance.

6. PACKAGING

6.1 Preservation, packing, and marking. Preservation, packing, and marking shall be as specified in the contract or order.

7. NOTES

7.1 Sources of Government documents.

Copies of the Code of Federal Regulations (CFR) and the Food Service Sanitation Manual are available from the Superintendent of Documents, US Government Printing Office, Washington, DC 20402, (Internet - http://www.access.gpo.gov).

7.2 Ordering data. Purchasers should select the preferred options permitted herein and include the following information in procurement documents (if applicable).

a. Title, number and date of this commercial item description.
b. Size required.
c. Preservation, packing, and marking desired.

7.3 Part Numbering. The following part identification numbering procedure is for government purposes and does not constitute a requirement for the contractor.

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AA1075-2      (AA1075-2)  Example - Size 2 gallon jug
   |    |--- Size (2, 3, 5, 10, or 15)
   |--- CID number
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7.4 National Stock Numbers (NSN's). The following is a list of NSN's assigned which correspond to this CID. The list may not be indicative of all possible NSN's associated with the CID.

NSN	Size
7330-00-893-8549	2 gallons
7330-00-894-1269	3 gallons
7330-00-893-8550	5 gallons
7330-01-119-6103	5 gallons, Sand color

MILITARY INTERESTS:

Military Coordinating Activity:

Army - GL

Custodians:
Army - GL
Navy - SA
Air Force - 99

Civil Agencies Coordinating Activities:
VA - OSS

Review Activities:
Army - MD1, QM1
Navy - MC
Air Force - 35, 84

Preparing Activity:
GSA - FSS

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