

GG-D-1958
September 1, 1975

FEDERAL SPECIFICATION

DISPENSER, GUMMED TAPE (ELECTRICALLY OPERATED)

This specification was approved by the Commissioner, Federal Supply Service, General Services Administration, for the use of all Federal agencies.

1. SCOPE AND CLASSIFICATION

1.1 Scope. This specification covers the requirements for electrically operated gummed tape dispensers used for dispensing tape requiring water or chemical solvent activation.

1.2 Classification.

1.2.1 Types, classes, and styles. Gummed tape dispensers covered by this specification shall be of the following types, classes, and styles as specified in the contract or order (see 3.4).

Type I - Random length dispenser.
 II - Single preset dispenser.
 III - Dual preset dispenser.
 IV - Single action automatic length dispenser.

Class 1 - without printing mechanism.
 2 - with printing mechanism.

Style A - without foot control.
 B - with foot control.

2. APPLICABLE DOCUMENTS

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

Federal Specifications:

CC-M-1807 - Motor, Alternating Current, Fractional and Integral Horsepower (500 HP and smaller).
 PPP-B-566 - Boxes, Folding, Paperboard.
 PPP-B-585 - Boxes, Wood, Wirebound.
 PPP-B-591 - Boxes, Shipping, Fiberboard, Wood-Cleated.
 PPP-B-601 - Boxes, Wood, Cleated- Plywood.
 PPP-B-621 - Boxes, Wood, Nailed and Lock-Corner.
 PPP-B-636 - Boxes, Shipping, Fiberboard.
 PPP-B-640 - Boxes, Fiberboard, Corrugated, Triple-Wall.
 PPP-B-665 - Boxes, Paperboard, Metal Edged and Components.
 PPP-B-676 - Boxes, Setup.
 PPP-T-45 - Tape, Gummed, Paper, Reinforced and Plain, For Sealing and Securing.

Federal Standard:

Fed. Std. No. 123 - Marking for Shipment (Civil Agencies).

(Activities outside the Federal Government may obtain copies of Federal Specifications, Standards, and Handbooks as outlined under General Information in the Index of Federal Specifications and Standards and at the prices indicated in the Index. The Index, which includes cumulative monthly supplements as issued, is for sale on a subscription basis by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.

GG-D-1958

(Single copies of this specification and other Federal Specifications required by activities outside the Federal Government for bidding purposes are available without charge from Business Service Centers at the General Services Administration Regional Offices in Boston, New York, Washington, DC, Atlanta, Chicago, Kansas City, MO, Fort Worth, Denver, San Francisco, Los Angeles, and Seattle, WA.

(Federal Government activities may obtain copies of Federal Specifications, Standards, and Handbooks and the Index of Federal Specifications and Standards from established distribution points in their agencies.)

Military Specifications:

- MIL-L-10547 - Liners, Case, and Sheet, Overwrap, Water-Vaporproof or Waterproof, Flexible.
- MIL-P-116 - Preservation - Packaging, Methods of.

Military Standards:

- MIL-STD-105 - Sampling Procedures and Tables for Inspection by Attributes.
- MIL-STD-129 - Marking for Shipment and Storage.

(Copies of Military Specifications and Standards required by suppliers in connection with specific procurement functions should be obtained from the procuring activity or as directed by the contracting officer.)

2.2 Other publications. The following documents form a part of this specification to the extent specified herein. Unless a specific issue is identified, the issue in effect on date of invitation for bids or request for proposal shall apply.

Underwriters Laboratories Standards:

- UL 114 - Office Appliances and Business Equipment.

(Copies of Underwriters Laboratories Standards can be obtained from Underwriters Laboratories Inc., 207 East Ohio St., Chicago, IL 60611.)

National Motor Freight Traffic Association, Inc., Agent:

- National Motor Freight Classification.

(Application for copies should be addressed to the American Trucking Associations, Inc., Tariff Order Section, 1616 P Street, N.W., Washington, DC 20036.)

Uniform Classification Committee, Agent:

- Uniform Freight Classification.

(Application for copies should be addressed to the Uniform Classification Committee, Room 1106, 222 South Riverside Plaza, Chicago, IL 60606.)

3. REQUIREMENTS

3.1 Material. The materials used in the dispenser shall be suitable for the end use. Where the body of the dispenser supports the operating mechanism it shall be cast iron, cast aluminum, sheet steel, sheet aluminum, or zinc die casting. All parts contacting water shall be corrosion resistant.

3.2 Construction. The dispenser shall be of sturdy construction. All component parts shall be easily accessible for cleaning or replacing. The moistening mechanism shall be brush type. The dispenser shall be equipped with a visual auxiliary water supply of at least 8 fluid ounces. Means shall be provided for regulating the amount of water applied to the gummed tape. The dispenser shall be equipped with a heater and thermostat unit to keep the water in the brush at temperatures enabling optimum sealing results. The dispenser shall be equipped with feet or a base that will afford lateral resistance and will not mar wood, glass or metal surfaces.

GG-D-1958

3.3 Electrical requirements. The dispenser shall operate satisfactorily on the electrical system specified. Unless otherwise specified (see 6.2), the dispenser shall be capable of operating within the range of a 115 volt \pm 10 percent and 60Hz \pm 5 percent in a single phase, alternating current electrical system. A three-wire cord with a three-prong attachment plug shall be provided and shall extend at least 6 feet beyond the point at which it is extended from the dispenser housing. The dispenser shall meet the requirements of UL 114. The label or listing based on the re-examination service of the Underwriters' Laboratories, Inc. may be accepted as evidence that the dispenser conforms to applicable requirements. The motor shall conform to the applicable requirements of CC-M-1807.

3.4 Capacity and performance. The dispenser shall accommodate rolls of tape of 1-1/2 to 3 inches in width and roll diameter up to 7-1/2 inches. The dispenser shall be capable of dispensing rolls of tape with various size cores. The tape shall dispense at a minimum speed of 30 inches per second and shall not bind against any part of the dispenser when tested in accordance with 4.4.1 using tape conforming to PPP-T-45, Type II, Class 2, Grade C.

3.4.1 Type I dispensers shall feed and moisten tape by the operation of a random length selector (a lever, a button or other suitable mechanism) which, when released by the operator, will automatically activate the mechanism for cutting the tape.

3.4.2 Type II dispensers shall have a length selection device such that any length can be preset as desired without activation of the dispenser. At least eleven lengths in any combination of 2, 3, or 4 inch increments up to at least 36 inches shall be provided. The moistened gummed tape shall be cut within \pm 3/4 inch of the preset length when tested in accordance with 4.4.2.

3.4.3 Type III dispensers shall have two length selection devices such that any two lengths can be preset as desired without activation of the dispenser. At least eleven lengths in any combination of 2, 3 or 4 inch increments up to at least 36 inches shall be provided. The moistened gummed tape shall be cut within \pm 3/4 inch of the respective preset lengths when tested in accordance with 4.4.3.

3.4.4 Type IV dispensers shall have a length selection device such that selection of any length simultaneously activates the dispenser. At least eleven lengths in any combination of 2, 3, or 4 inch increments up to at least 36 inches shall be provided.

3.4.5 Class 2 dispensers shall have a printing mechanism which is easily accessible for cleaning, maintenance and replacement. The mechanism shall be provided with ink that is fast-dry and non-smear. The ink shall be provided in a replaceable plastic bottle not less than 4.0 fluid ounces.

3.4.6 Style 2 dispenser shall have a foot control attachment which, when activated by means of the operator's foot, feeds, moistens and cuts the tape. The attachment shall be provided with a flexible power cord at least 6.0 feet in length.

3.5 Identification marking. Each dispenser shall be marked in a legible and permanent manner with the manufacturer's name or trademark, or both.

3.6 Workmanship. Tape dispensers shall be free from any defects that may affect serviceability or appearance such as dents, nicks, burrs, rust, and sharp edges other than the tape cutting edges.

4. QUALITY ASSURANCE PROVISIONS

4.1 Responsibility for inspection. 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 that supplies and services conform to prescribed requirements.

4.2 Sampling for inspection and tests. Sampling for inspection shall be performed in accordance with the provisions of MIL-STD-105, except where otherwise indicated. For purposes of sampling, an inspection lot shall consist of all end items of like classification (see 1.2) submitted for acceptance at one time.

4.2.1 Sampling. A random sample shall be taken from each lot in accordance with MIL-STD-105 at inspection level I and Acceptable Quality Level 4.0 percent defective.

GG-D-1958

4.3 Inspection of materials and components. The supplier is responsible, in accordance with 4.1, for insuring that components and materials used were manufactured, tested, and inspected in accordance with the specified requirements of referenced subsidiary specifications and standards and in accordance with this specification, as applicable. In case of conflict, the requirements of this specification shall govern.

4.3.1 Examination of end item. An examination shall be made for defects as in table I. The inspection and acceptable quality levels (AQL's) shall be as specified in 4.2.1.

Defect	Applicable paragraph
Material not as specified.....	3.1
Construction not as specified.....	3.2
Cord and cord length not as specified..	3.3
Capacity not as specified.....	3.4
Type I not as specified.....	3.4.1
Type II not as specified.....	3.4.2
Type III not as specified.....	3.4.3
Type IV not as specified.....	3.4.4
Class 2 not as specified.....	3.4.5
Style 2 not as specified.....	3.4.6
Identification illegible or missing....	3.5
Workmanship.....	3.6

4.3.2 Inspection of preparation for delivery. Inspection shall be made to determine compliance with the packaging, packing, and marking requirements of section 5 and the contract or order examination shall be made for defects as indicated in table II. The inspection and acceptable quality levels (AQL's) shall be as specified in 4.2.1.

Examine	Defects
Markings (interior and exterior containers, as applicable).	Incorrect; omitted; illegible; improper size, location, sequence, or method of application.
Materials	Wrong type, class, or other category of required specifications. Material missing, damaged, or defective affecting serviceability.
Workmanship	Wrong or careless means in placement and use of labeling and packaging and packing materials such as loose or partially attached labels; flaps of containers incompletely closed; loose or over-tight straps, dangerous strap ends, protruding nails, and smeared adhesive.
Contents (interior and exterior containers, as applicable).	Quantities of unit containers not as specified.
Closure and sealing	Not as specified.
Quantities	Contents more or less than specified.

4.4 Tests.

4.4.1 Capacity and performance. A roll of tape 3.0 inches in width and roll diameter of 7.0 inches (+ 1/2 inch) shall be inserted in the dispenser. The dispenser shall be operated for 5.0 seconds on the random length setting. The tape shall be at least 150.0 inches in length. For dispensers without a random length setting, the longest length shall be dispensed and the time recorded. The length of the tape divided by the dispensing time shall be no less than 30.0 inches per second.

GG-D-1958

4.4.2 Length selection device (type II only). Immediately following the capacity test, the dispenser shall be set for a measured length and two lengths of tape dispensed. The second length shall be measured for conformance to paragraph 3.4.2. The same procedure shall be followed at four different settings.

4.4.3 Length selection device (type III only). Immediately following the capacity test, the dispenser shall be set for two different measured lengths and two lengths of tape dispensed for each measured length in alternate order. The second length of tape of each measured length shall be measured for conformance to 3.4.3.

4.4.4 Length Selection Device (type IV only). Immediately following the capacity test, all possible lengths of the dispenser shall be activated twice. The second length of tape shall be measured for conformance to 3.4.4.

4.4.5 Failure of the dispenser to meet the above tests will be cause for rejection.

5. PREPARATION FOR DELIVERY

5.1 Packaging. Packaging shall be level A, B, or C as specified (see 6.2).

5.1.1 Level A (Maximum Military Protection). Each dispenser shall be packaged in a snug-fitting box conforming to PPP-B-566, PPP-B-665 or PPP-B-676, type and style at the option of the contractor. Each box shall be water-proofed in accordance with MIL-P-116, Method IC-2.

5.1.2 Level B (Minimum Military Protection). Dispensers shall be packaged in boxes as specified in 5.1.1, except that waterproofing shall not be required.

5.1.3 Level C (Commercial). Dispenser shall be packaged in accordance with the suppliers commercial practice.

5.2 Packing. Packing shall be level A, B, or C as specified (see 6.2).

5.2.1 Level A. Dispensers, packaged as specified in 5.1, shall be packed in any of the following containers at the option of the contractor.

<u>Specification</u>	<u>Type or Class</u>
PPP-B-585	Class 3
PPP-B-591	Class II
PPP-B-601	Overseas type
PPP-B-621	Class 2
PPP-B-636	Class weather resistant
PPP-B-640	Class 2

The gross weight of fiberboard boxes shall be subject to the limitation of the box specification. Each wood container shall be provided with a sealed case liner conforming to MIL-L-10547.

5.2.2 Level B. Each dispenser, packaged as specified in 5.1 shall be packed in a box conforming to PPP-B-636, class weather resistant, type and style optional, minimum grade 275. Sealing and closure shall be in accordance with PPP-B-636.

5.2.3 Level C. Dispensers, packaged as specified in 5.1, shall be packed in a manner to insure carrier acceptance and safe delivery to destination at the lowest transportation rate for such supplies. Containers shall comply with Uniform Classification Rules or National Motor Freight Classification Rules, as applicable.

5.3 Marking.

5.3.1 Civil agencies. In addition to markings required by the contract or order, the unit and shipping containers shall be marked in accordance with Fed. Std. No. 123.

5.3.2 Military agencies. In addition to markings required by the contract or order, the unit and shipping containers shall be marked in accordance with MIL-STD-129.

6. NOTES

6.1 Intended use.

6.1.1 Type I. Type I dispensers are intended for low volume, shipping room use where varying lengths of water-activated gummed tape are required.

GG-D-1958

6.1.2 Type II. Type II dispenser are intended for shipping room use where the repetition of a specified length of water-activated gummed tape is prevalent.

6.1.3 Type III. Type III dispensers are intended for shipping room use where the repetition of two specific lengths of water-activated gummed tape is prevalent.

6.1.4 Type IV. Type IV dispensers are intended for high volume, shipping room use where varying lengths of water-activated tape are required.

6.1.5 Class 2. Class 2 dispensers are intended for shipping room use where marking, labeling or identification is needed for the containers on which the water-activated gummed tape is applied.

6.1.6 Style 2. Style 2 dispensers are intended for shipping room use where a high volume is handled or where the use of both hands is needed to enhance the effectiveness of the operator.

6.2 Ordering data. Purchasers should select the preferred options permitted herein, and include the following information in procurement documents:

- (a) Title, number, and date of this specification.
- (b) Type, class, and style desired (see 1.2.1).
- (c) Inspection responsibility if other than as specified herein (see 4.1).
- (d) Levels of packaging and packing and any special markings for shipment desired (see section 5).

Preparing activity:

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Orders for this publication are to be placed with General Services Administration, acting as an agent for the Superintendent of Documents. See Section 2 of this specification to obtain extra copies and other documents referenced herein. Price 30 cents each.