

MIL-C-601G  
30 June 1971  
SUPERSEDING  
MIL-C-601F  
5 January 1965

## MILITARY SPECIFICATION

### CYLINDERS, CARBON DIOXIDE FILLED, TECHNICAL

This specification is mandatory for use by all Departments and Agencies of the Department of Defense.

#### 1. SCOPE

1.1 Scope. This specification covers the requirements for the procurement of three types of puncturable-seal carbon dioxide filled cylinders.

1.2 Classification. The carbon dioxide filled cylinders shall be furnished in the following types, as specified (see 6.1 and 6.2):

Type I - 8 gram capacity  
Type II - 12 gram capacity  
Type III - 16 gram capacity

#### 2. APPLICABLE DOCUMENTS

2.1 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

BB-C-101	Carbon Dioxide (CO <sub>2</sub> ); Technical and U.S.P
QQ-P-416	Plating, Cadmium (Electrodeposited)
TT-I-558	Ink, Marking Stencil, Opaque, for Nonporous Surfaces (Metals, Glass, etc.)
PPP-B-566	Boxes, Folding, Paperboard

FSC 4220

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SPECIFICATIONS

Federal (Continued)

- PPP-B-636 Box, Fiberboard
- PPP-B-676 Boxes, Set-Up
- PPP-T-45 Tape, Gummed, Reinforced and Plain, for Sealing and Securing

Military

- MIL-I-23145 Inflation Assemblies, Lift Preserver

STANDARDS

Military

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

(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.)

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

National Bureau of Standards

Handbook H28 Screw-Threads for Federal Services

(Application for copies should be addressed to the Superintendent of Documents, Government Printing Office, Washington, D. C. 20402.)

Uniform Classification Committee

Uniform Freight Classification

(Application for copies should be addressed to the Uniform Classification Committee, Room 202, Union Station, 516 West Jackson Boulevard, Chicago, Illinois 60606.)

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### 3. REQUIREMENTS

3.1 First article. Unless otherwise specified, the carbon dioxide filled cylinders furnished under this specification shall be a product which has been inspected and has passed the first article inspection specified in 4.3 through 4.3.2.

3.2 Materials. Materials shall conform to applicable specifications and shall be as specified herein. Materials which are not covered by specifications, or which are not specifically described herein, shall be of the best quality, of the lightest practicable weight and suitable for the purpose intended.

3.2.1 Cylinders. The cylinders shall be fabricated from steel of a grade and composition suitable for the purpose intended.

3.2.2 Sealing cap. The sealing cap shall be fabricated from AISI C1008 or C1010 low carbon (not alloy) steel.

3.2.3 Carbon dioxide. The carbon dioxide shall conform to BB-C-101, Grade B, Type I.

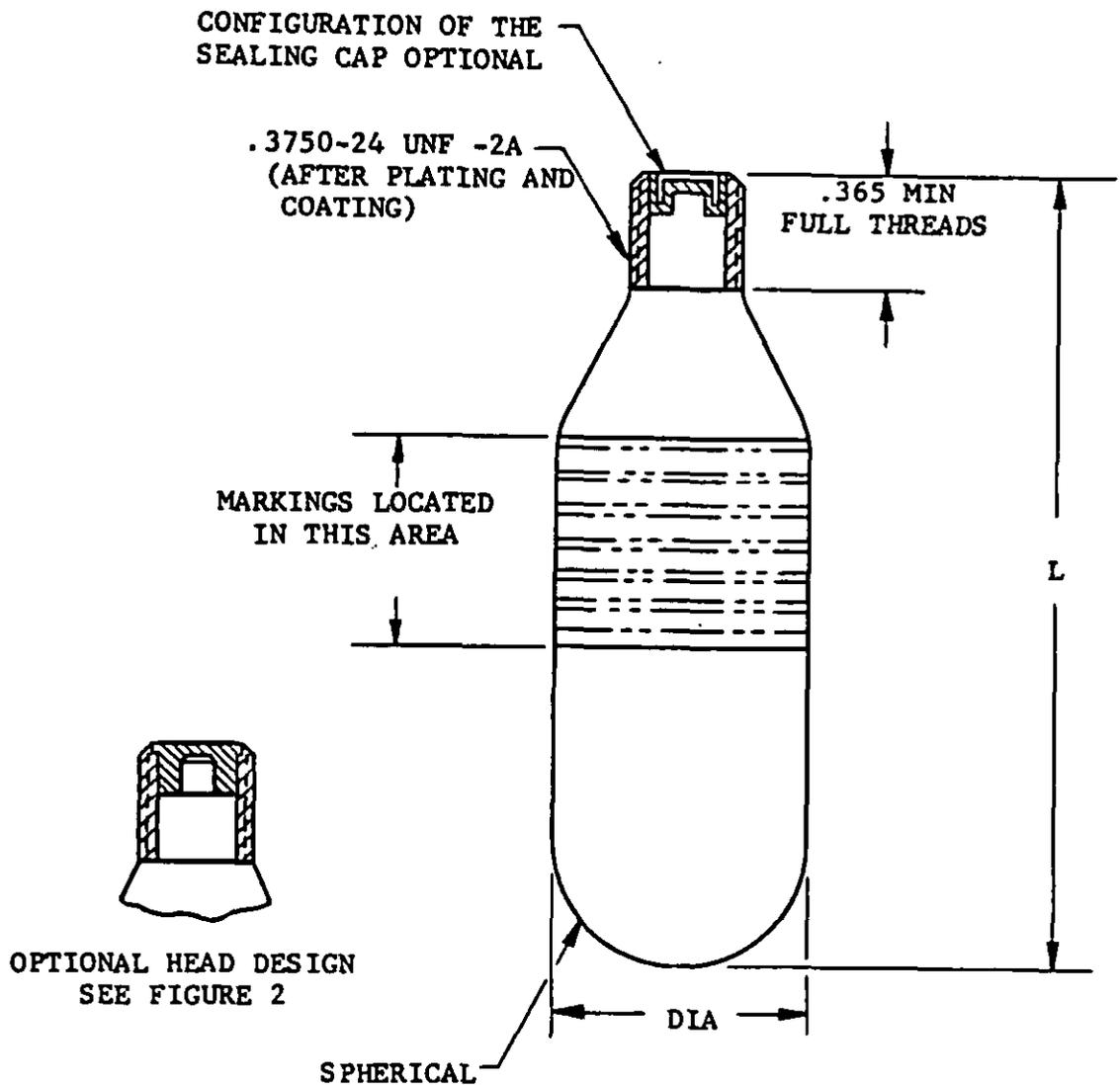
3.2.4 Marking ink. The marking ink shall conform to TT-I-558, The color shall be dark blue or black.

3.3 Design and construction. The design and construction of the carbon dioxide filled cylinders and their puncturable sealing caps shall conform to Figure 1 and Figure 2. The wall thickness for the cylinders shall be such as to withstand the performance requirements of this specification.

3.3.1 Construction details. The cylinders shall be made from a seamless tube with a rounded bottom and a gradual elongated narrow neck threaded at the top. The cylinders shall be filled with the carbon dioxide through an opening in the top. The top end shall have a smooth flat surface and the opening in the top shall be welded closed with the sealing cap in place. The sealing cap shall be capable of being punctured by the piercing pin of the inflation assembly conforming to MIL-I-23145, Type I, so as to release the carbon dioxide charge.

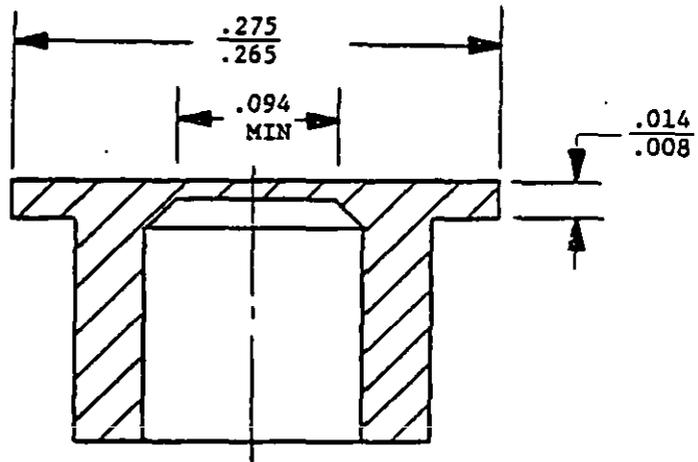
3.3.2 Gas charge. The filled cylinders shall each contain a charge of the carbon dioxide specified in 3.2.3, as follows:

Type I	-	7.9 grams, min.;	8.8 grams, max.
Type II	-	11.1 grams, min.;	12.5 grams, max.
Type III	-	15.0 grams, min.;	17.0 grams, max.

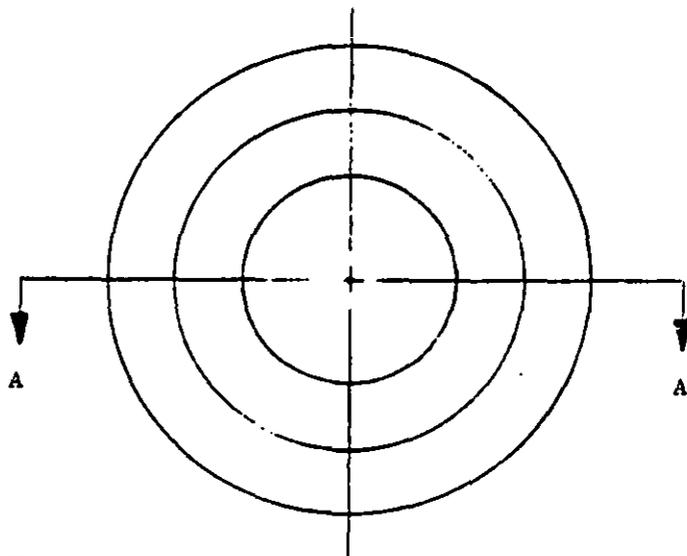


DIMENSIONS IN INCHES.

FIGURE 1. CARBON DIOXIDE CYLINDER



SECT A-A



DIMENSIONS IN INCHES.

Figure 2. Sealing cap

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3.3.3 Sealing of cylinders. Each cylinder shall be provided with a puncturable sealing cap as shown on Figure 2. The use of steel alloy is not permitted (see 3.2.2). The opening in the top of the cylinder shall be sealed closed by securely welding the sealing cap to the cylinder. The puncturable area of the sealing cap shall have a minimum diameter of 0.094 inch and shall be 0.011  $\pm$  0.003 inch in thickness. The maximum distance of the puncturable area of the sealing cap from the top of the cylinder shall be 0.010 inch.

3.3.4 Threaded portion. The external upper elongated portion of the cylinder shall be threaded with 3/8-24UNF-2A threads (after plating and coating) conforming to NBS Handbook H28 (see Figure 1).

3.4 Finish. Each cylinder, including the threads, shall be cadmium plated in accordance with QQ-P-416, Type II, Class 3. The exposed surface shall be reasonably smooth, without any sign of bulging or deformation, and shall be free from pit marks and cracks.

3.5 Color. The color of the cylinder shall be the resultant color of the finish (3.4) and shall contrast the color of the marking ink.

3.6 Markings. Each cylinder shall be marked with legible, durable letters and numerals which shall be completely dry prior to packaging. The markings shall be accomplished with the marking ink specified in 3.2.4, and when dry, shall be coated with a compatible, clear, waterproof lacquer. The markings shall be positioned on the cylinders as indicated in Figure 1, and shall consist of the following:

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Type I, II or III (as applicable)

Contract No.

Manufacturer's Name or Trade Mark

Date of Manufacture (Month and Year Cylinders are Filled)

Minimum Gross Weight

NOTE: The indicated minimum gross weight shall be the weight of the empty cylinder (rounded off to the next lower 0.5 gram) plus the weight of the gas charge.

3.7 Performance inspections.

3.7.1 Elevated temperature. The carbon dioxide filled cylinder or the sealing cap, when inspected as specified in 4.6.3, shall not deform, nor shall the sealing cap separate from the cylinder.

3.7.2 Leakage. The carbon dioxide filled cylinders, when inspected as specified in 4.6.4, shall show no evidence of leakage.

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3.7.3 Hydrostatic pressure. The empty cylinder, when inspected as specified in 4.6.5, shall not burst.

3.7.4 Rupture. The carbon dioxide filled cylinders, when inspected as specified in 4.6.6, shall not show any splintering or fragmentation. Complete separation of the puncturable sealing cap or of any portion of the cylinder assembly from the cylinder shall be considered as fragmentation.

3.7.5 Puncturing. The sealing cap of the carbon dioxide filled cylinder, when inspected as specified in 4.6.7, shall not make any contact with the point of the piercing pin before the lever arm is released. After the lever arm is released, the load shall cause the piercing pin of the inflation assembly to achieve maximum penetration of the puncturable area.

3.7.6 Weight. The weight of the gas charge of the cylinders, when inspected as specified in 4.6.8, shall conform to the quantities specified in 3.3.2, as applicable.

3.8 Workmanship. The carbon dioxide filled cylinders shall be uniform in quality, smooth, clean, free from waviness, splits, cracks, nicks, burrs, sharp edges, or other irregularities or defects which could affect performance, reliability, or durability. The carbon dioxide filled cylinders shall conform to the quality and grade of product established by this specification. The occurrence of defects shall not exceed the acceptance criteria established herein.

#### 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 supplies and services conform to prescribed requirements.

4.2 Classification of inspection. The examination and testing of the carbon dioxide filled cylinders shall be classified as follows:

- (a) First article inspection. First article inspection consists of examinations and tests performed on samples which are representative of the production item after award of a contract to determine that the production item conforms to the requirements of this specification (see 3.1 and 4.3 through 4.3.2).

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- (b) Quality conformance inspection. Quality conformance inspection consists of examinations and tests performed on individual products or lots to determine conformance of the products or lots to the requirements set forth in this specification (see 4.4).

4.3 First article inspection. The first article inspection of the carbon dioxide filled cylinders shall consist of examinations and tests for all of the requirements of this specification.

4.3.1 First article samples. Unless otherwise specified, as soon as practicable after the award of the contract or order, the manufacturer shall submit 12 carbon dioxide filled cylinders and 12 separate sealing caps for each type listed in the contract or order. The samples shall be representative of the construction, workmanship, components and materials to be used during production. When a contractor is in continuous production of these cylinders from contract to contract, submission of further first article inspection samples on the new contract may be waived at the discretion of the procuring activity (see 6.2(c)). Approval of the first article inspection samples or the waiving of the first article inspection does not preclude the requirements for performing the quality conformance inspection. The first article inspection samples shall be furnished to the Government as directed by the contracting officer (see 6.2(d)).

4.3.2 Upon completion of the first article inspection, all the applicable inspection reports and, when applicable, recommendations and comments pertinent for use in monitoring production will be forwarded to the cognizant Government activity. Two of the approved first article inspection sample cylinders and sealing caps will be returned to the manufacturer for use in monitoring production. The other ten cylinders and sealing caps (see 4.3.1) will be destroyed in the first article inspection and shall not be considered as part of the quantity to be delivered under the contract.

4.4 Quality conformance inspection. The sampling and inspection levels shall conform to MIL-STD-105. Quality conformance inspection shall consist of the following examinations and tests:

- Dimensional check of the sealing caps
- Visual examination of the filled cylinders
- Dimensional check of the filled cylinders
- Elevated temperature
- Leakage
- Hydrostatic pressure
- Rupture
- Puncturing
- Weight of gas charge
- Preparation for delivery

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#### 4.4.1 Sampling.

##### 4.4.1.1 Inspection lot.

4.4.1.1.1 Sealing caps. An inspection lot size shall be expressed in units of one sealing cap made essentially under the same conditions and from the same materials and components. The sample unit shall be one sealing cap.

4.4.1.1.2 Carbon dioxide filled cylinders. An inspection lot size shall be expressed in units of one carbon dioxide filled cylinder of one type only, made essentially under the same conditions and from the same materials and components. The sample unit shall be one carbon dioxide filled cylinder.

4.4.1.1.3 Preparation for delivery. An inspection lot size shall be expressed in units of one fully prepared shipping container, containing carbon dioxide filled cylinders of one type only, fully prepared for delivery from essentially the same materials and components. The sample unit shall be one shipping container, containing carbon dioxide filled cylinders of one type, fully prepared for delivery with the exception that it need not be sealed.

4.4.1.2 Sampling for tests and examinations of the sealing caps and the carbon dioxide filled cylinders and preparation for delivery. The sample size, acceptance criteria, tests, and examinations required for the sealing caps and the carbon dioxide filled cylinders, and preparation for delivery shall be as specified in Table I.

#### 4.5 Inspection conditions.

4.5.1 Atmospheric conditions. Unless otherwise specified, all inspections required by this specification shall be made at an atmospheric pressure of 28 to 32 inches of mercury, and a temperature of 77  $\pm$ 18 degrees Fahrenheit (25  $\pm$ 10 degrees Centigrade). Where inspections are made with atmospheric pressure or temperature substantially different from the above values, proper correction shall be made for the change in instrument reading.

#### 4.6 Inspection methods.

4.6.1 Thickness and diameter of the puncturable area of the sealing cap. The thickness and diameter of the puncturable area of the sealing cap shall be determined by the use of an instrument graduated to read directly in 0.001 inch.

4.6.1.1 Weight. The combined weight of the cylinders and the weight of the gas charge shall be determined on a scale or balance capable of weighing to the nearest 0.01 gram.

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TABLE I

SAMPLE SIZE, ACCEPTANCE CRITERIA, TESTS, AND EXAMINATIONS  
OF THE SEALING CAPS AND THE CARBON DIOXIDE FILLED CYLINDERS  
AND PREPARATION FOR DELIVERY

INSPECTION	PARAGRAPH		SAMPLE SIZE	ACCEPTANCE CRITERIA <u>1/</u>
	REQUIREMENT	METHOD		
Sealing caps (thickness and diameter of puncturable area)	3.2.2 and 3.3.3	4.6.1	Inspection Level I	An Acceptable Quality Level of 1.0 defects per 100 units
Visual examination (see classification of defects)	3.3.1, 3.5 and 3.6	4.6.2	Every carbon dioxide filled cylinder for major defects. Inspection Level II for minor defects.	Reject all units with any major defect. An Acceptable Quality Level of 6.5 defects per 100 units for minor defects.
Dimensional check (cylinder body)	Figure 1 and Figure 2	Table III	Every carbon dioxide filled cylinder	Reject all defective units.
Dimensional check (threaded portion)	3.3.4	Table III	Inspection Level II	An Acceptable Quality Level of 1.0 defects per 100 units.
Elevated temperature	3.7.1	4.6.3	Every carbon dioxide filled cylinder	Reject all defective units.
Leakage	3.7.2	4.6.4	Every carbon dioxide filled cylinder	Reject all defective units.
Hydrostatic pressure	3.7.3	4.6.5	Inspection Level S-2	An Acceptable Quality Level of 1.0 defects per 100 units.

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TABLE I (Continued)

INSPECTION	PARAGRAPH		SAMPLE SIZE	ACCEPTANCE CRITERIA <u>1/</u>
	REQUIREMENT	METHOD		
Rupture	3.7.4	4.6.6	Inspection Level S-2	An Acceptable Quality Level of 1.0 defects per 100 units.
Puncturing	3.7.5	4.6.7	Inspection Level S-2	An Acceptable Quality Level of 1.0 defects per 100 units.
Weight of gas charge	3.7.6	4.6.8	Inspection Level S-2	An Acceptable Quality Level of 1.0 defects per 100 units.
Preparation for delivery	Section 5	4.6.2.2	Inspection Level S-2	An Acceptable Quality Level of 2.5 defects per 100 units.

1/ The sampling plan acceptance numbers shall apply collectively to all the characteristics within a stated Acceptable Quality Level.

#### 4.6.2 Visual examination.

4.6.2.1 Carbon dioxide filled cylinders. Every carbon dioxide filled cylinder shall be inspected dimensionally and examined visually for major defects to determine conformance to the requirements of this specification. Each carbon dioxide filled cylinder, selected as a sample unit from the lot, shall be examined visually for minor defects to determine conformance to the requirements of this specification. The classification and list of defects, Tables II and III, shall be used to classify and enumerate the defects found.

4.6.2.2 Preparation for delivery. Each of the fully prepared shipping containers, containing carbon dioxide filled cylinders of one type, selected as a sample unit from the lot, shall be examined visually to determine that the packaging, packing, and marking conform to the requirements of this specification. The list of defects, Table IV, shall be used to enumerate the defects found.

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TABLE II

CLASSIFICATION OF DEFECTS FOR VISUAL EXAMINATION OF  
THE CARBON DIOXIDE FILLED CYLINDERS

MAJOR	MINOR
<p>101. Surface rough, misaligned, or contains cracks, nicks, burrs, dents, pit marks, sharp edges, or otherwise defective.</p> <p>102. Plating or chromate coating missing.</p> <p>103. Thread designation not as specified.</p> <p>104. Threads stripped, torn, broken, or otherwise damaged.</p> <p>105. Cylinder or sealing cap bent, misshapen, deformed, distorted, or otherwise defective.</p> <p>106. Sealing cap not securely attached.</p> <p>107. Type and weight markings missing, illegible, incorrect, or incomplete.</p> <p>108. Color of cylinder and sealing cap not in contrast with color of marking ink.</p> <p>109. Faulty workmanship or other irregularities.</p>	<p>201. Surface unclean or contains embedded foreign matter.</p> <p>202. Plating or chromate coating not uniformly applied.</p> <p>203. Markings, except for the weight and type, missing, illegible, incorrect, or incomplete.</p>

4.6.3 Elevated temperature. Every carbon dioxide filled cylinder shall be subjected to a temperature of  $160 \pm 5$  degrees Fahrenheit ( $71 \pm 3$  degrees Centigrade) for not less than 30 minutes. The cylinders shall then be removed, cooled to room temperature, and examined. There shall be no evidence of deformation of the cylinder or of the puncturable sealing cap or that the sealing cap has separated at any point from the cylinder. After a minimum of 24 hours has elapsed from the time the cylinders have been heated, they shall be weighed. The carbon dioxide filled cylinder shall weight not less than the minimum gross weight marked on the cylinders (see 3.6)

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TABLE III

LIST OF DEFECTS FOR THE FINISHED DIMENSIONS  
OF THE CARBON DIOXIDE FILLED CYLINDERS

EXAMINE	DEFECTS
<p style="text-align: center;"><u>MEASURE</u></p> <p><u>THREADS:</u></p> <p>(a) Size of threads (b) Number of full threads</p> <p><u>SEALING CAP:</u></p> <p>(a) Diameter of sealing cap puncturable area (b) Thickness of puncturable area (c) Distance of puncturable surface of sealing cap from the top of the cylinder</p> <p><u>CYLINDER:</u></p> <p>(a) Length of cylinder (b) Diameter of cylinder (measured through entire body length)</p>	<p>Any measurement deviating from the requirements established in 3.3.3, 3.3.4 and Figures 1 and 2, with applicable tolerances, shall be enumerated as a dimensional defect (see Table I).</p>

TABLE IV

## LIST OF DEFECTS FOR PREPARATION FOR DELIVERY

ITEM	DEFECT
Exterior and interior markings	Missing, incorrect, incomplete, illegible; of improper size, location, sequence, or method of application; markings not the same on the interior and exterior containers.
Packaging and packing materials	Any nonconforming component; any component missing, damaged, or otherwise defective.

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TABLE IV (Continued)

ITEM	DEFECT
Workmanship	Inadequate application of the components such as incomplete closure of the unit package, container flaps, loose strappings, etc.; bulging or distortion of the containers.
Exterior and interior weight or content	Number per container is more or less than required; gross or net weight exceeds the requirement; more than one type in the same container.

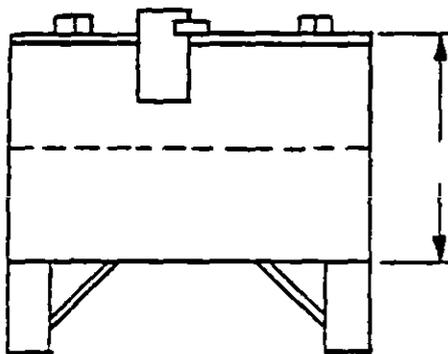
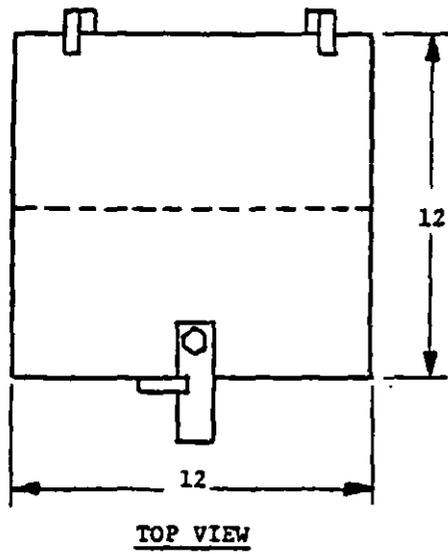
4.6.4 Leakage. The carbon dioxide filled cylinders in an upright position, shall be immersed in a water solution of one percent of a 25 percent Aerosol OT clear. The cylinder shall be immersed to a depth so that the uppermost portion of the cylinder is a minimum of one inch below the surface of the solution. A 20 inch mercury vacuum shall be maintained above the surface of the solution for a minimum of 2 minutes. Any evidence of bubbles from the cylinder shall be considered as leakage.

4.6.5 Hydrostatic pressure. An internal hydrostatic pressure shall be applied to the empty cylinders for a minimum of 10 seconds. The pressure shall be gradually increased to 7,000 psig for Types I and II, and 8,000 psig for Type III in 20  $\pm$  3 seconds. During this inspection, the cylinder shall not burst.

4.6.6 Rupture. The carbon dioxide filled cylinder shall be placed in a perforated container, with bolted top, fabricated from 3/8 inch thick boiler plate. The baffle plate shall be placed over the carbon dioxide filled cylinder. The optional container and baffle plate shall be of the general design shown on Figure 3. The top shall be bolted closed and the container shall be placed in an air circulating or similar type oven. The carbon dioxide filled cylinders shall be ruptured by gradual heating. There shall be no splintering, fragmentation, or failure at the cap weld, when the cylinders are ruptured. Only one cylinder shall be inspected at one time. Heat sources, other than an air circulating oven and containers other than that shown in Figure 3 may be used.

WARNING: This test is dangerous.

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DIMENSIONS IN INCHES.

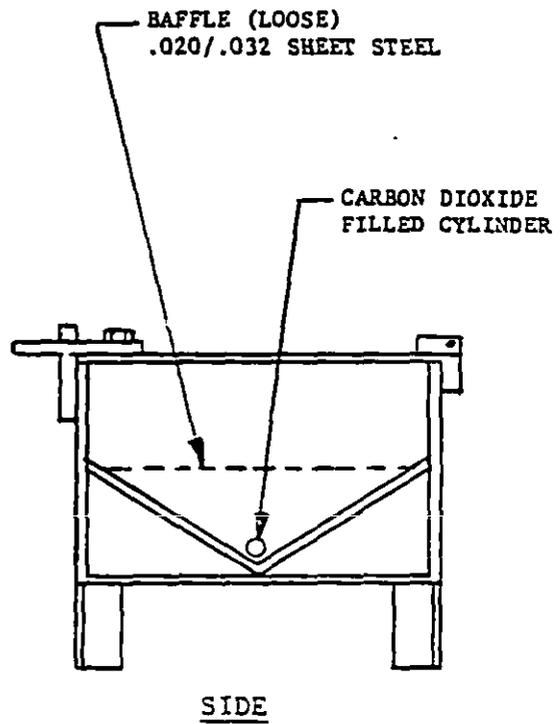


Figure 3. Container for rupture test

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4.6.7 Puncturing. The carbon dioxide filled cylinder shall be fully installed in the inflation assembly conforming to MIL-I-23145, Type I, with hand tightening. The inflation assembly shall be examined to assure that the top of the cylinder has not made contact with the point of the piercing pin by listening for the sound of escaping gas. The carbon dioxide filled cylinder shall then be removed weighed, and the weight recorded. The top of the cylinder shall be examined. The cylinder shall not have been punctured and there shall not be any evidence of indentation by the piercing pin. Upon completion of the examination, the carbon dioxide filled cylinder shall be fully reinstalled in the inflation assembly with hand tightening. The inflation assembly shall be held in a vertical position with the cylinder at the top or in a horizontal position with the lever on the bottom. The lever shall be in its normal position and a maximum load of 15 pounds shall be attached to the free end of the lever. The load shall operate the lever through one normal cycle. The piercing pin shall advance to its maximum point of travel and shall puncture the sealing cap of the carbon dioxide filled cylinder in the center of the puncturable area. The piercing pin shall not stick in the carbon dioxide filled cylinder but shall retract while the lever is in the operated position. The gas shall be immediately released. The empty cylinder shall then be reweighed and this weight recorded. The lever of the inflation assembly shall not be secured to the body with the safety wire for this inspection.

4.6.8 Weight. The recorded weight of the empty cylinder shall be subtracted from the recorded weight of the carbon dioxide filled cylinder. The difference in weights is the net weight of the carbon dioxide charge. This weight shall conform to the requirements of 3.3.2 and 3.7.6, as applicable.

## 5. PREPARATION FOR DELIVERY

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

5.1.1 Level A. Six cylinders, of one type only, shall be packaged within a folding or set-up box conforming to PPP-B-566 or PPP-B-676. The cylinders shall be separated by paperboard partitions and snugly cushioned to prevent movement within the container. Packaging material in direct contact with the cylinders shall be neutral and noncorrosive.

5.1.2 Level C. Cylinders, of one type only, shall be packaged to afford the minimum degree of protection necessary to prevent corrosion, deterioration or damage during shipment under normal environmental conditions and commercial modes of transportation.

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

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5.2.1 Level A. Seventy-two containers (four hundred and thirty-two cylinders) packaged as specified in 5.1.1, shall be packed as specified in 5.2.2, except that the fiberboard container shall be Weather-Resistant Class, Variety SW, Grade V3c or V3s. In addition, each container shall be reinforced with flat steel strapping or tap banding in accordance with the appendix to PPP-B-636.

5.2.2 Level B. Seventy-two containers (four hundred and thirty-two cylinders) packaged as specified in 5.1.1, shall be packed within a snug fitting fiberboard container conforming to PPP-B-636, Type CF or SF, Domestic Class, Variety SW, Grade 275. The width of the unit container shall correspond to the width of the overpack. Gross weight shall not exceed 70 pounds. Each container shall be constructed and closed in accordance with the appendix to PPP-B-636. All the seams, corners, and manufacturer's joints of the box shall be sealed with 3-inch wide tape conforming to PPP-T-45, Type III, Grade A, B, or C. The fiberboard container shall not contain any metal fastenings or stitches.

5.2.3 Level C. All packaged cylinders which require over-packing for acceptance by the carrier, shall be packed in exterior type shipping containers in a manner that will insure safe transportation at the lowest rate to the point of delivery. Containers shall meet the Uniform Freight Classification rules or regulations of other common carriers as applicable to the mode of transportation.

5.3 Marking. In addition to any special markings required by the contract or order, all unit, intermediate and shipping containers shall be marked in accordance with MIL-STD-129. The date of manufacture (month and year) and the contract or order number shall be indicated on all unit and intermediate containers.

## 6. NOTES

6.1 Intended use. The filled carbon dioxide cylinders covered by this specification are intended for use as a component of the mechanical inflation system for inflating life preservers, baby flotation cots, and sonobuoys.

6.2 Ordering data. Procurement documents shall specify the following:

- (a) Title, number and date of this specification.
- (b) Quantity and type desired (see 1.2).
- (c) Whether first article inspection is waived (see 4.3.1).
- (d) Name and address of the first article inspection laboratory (see 4.3.1).

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- (e) Selection of applicable levels of packaging and packing (see 5.1 and 5.2).
- (f) Whether any special markings are required (see 5.3).
- (g) Whether alternate test equipment may be used for conducting tests (see 4.6.6).
- (h) Items of data required (see 6.3).

6.3 Data. For the information of Contractors and Contracting Officers, any of the data specified in applicable documents listed in Section 2 of this specification, or referenced lower-tier documents need not be prepared for the Government and shall not be furnished to the Government unless specified in the contract or order. The data to be furnished shall be listed on DD Form 1423 (Contractor Data Requirements List), which shall be attached to and made a part of the contract or order. NAVAIR Form 4200/25 (Drawings, Lists, and Specifications Required) shall be attached where applicable.

**Custodians:**

Army - ME  
Navy - AS  
AF - 84

**Preparing activity:**

Navy - AS  
(Project No. 4220-0082)

**Review interest:**

Army - ME, AV, MD  
Navy - AS, SH  
AF - 11, 82

**User interest:**

Army - ME  
Navy - MC

## STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

(See Instructions - Reverse Side)

1. DOCUMENT NUMBER

2. DOCUMENT TITLE

3a. NAME OF SUBMITTING ORGANIZATION

4. TYPE OF ORGANIZATION (Mark one)

 VENDOR USER MANUFACTURER OTHER (Specify): \_\_\_\_\_

b. ADDRESS (Street, City, State, ZIP Code)

## 5. PROBLEM AREAS

a. Paragraph Number and Wording:

b. Recommended Wording:

c. Reason/Rationale for Recommendation:

## 6. REMARKS

7a. NAME OF SUBMITTER (Last, First, MI) - Optional

b. WORK TELEPHONE NUMBER (Include Area Code) - Optional

c. MAILING ADDRESS (Street, City, State, ZIP Code) - Optional

8. DATE OF SUBMISSION (YYMMDD)

DD FORM 1426  
82 MAR

PREVIOUS EDITION IS OBSOLETE.

(TO DETACH THIS FORM, CUT ALONG THIS LINE.)