

**MIL-R-3295B**

18 DECEMBER 1958

SUPERSEDING

MIL-R-3295A

18 OCTOBER 1956

**MILITARY SPECIFICATION****REGULATOR, AIR PRESSURE,  
PROTECTIVE SHELTER, M1**

*This specification has been approved by the Department of Defense and is mandatory for use by the Departments of the Army, the Navy, and the Air Force.*

**1. SCOPE**

1.1 This specification covers one type of regulator for protective shelters.

**2. APPLICABLE DOCUMENTS**

2.1 Government documents. The following specification, standards, and drawings, of the issue in effect on date of invitation for bids, form a part of this specification:

**SPECIFICATIONS****FEDERAL**

PPP-B-636 — Boxes, Fiber.

**STANDARDS****MILITARY**

MIL-STD-105 — Sampling Procedures and Tables for Inspection by Attributes.

MIL-STD-129 — Marking for Shipment and Storage.

**DRAWINGS****CHEMICAL CORPS**

D5-65-8 — Regulator, Air Pressure, Protective Shelter, M1 (Assembly, Detail, and Bill of Material).

D5-20-114 — Packing, Air Pressure Regulator (Assembly and Bill of Material).

(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 Manufacture and assembly. The regulator shall be manufactured and assembled as specified on Drawing D5-65-8 and subsidiaries listed thereon.

3.2 Workmanship. The regulator shall be free of damage, defects, and contamination.

**4. QUALITY ASSURANCE PROVISIONS**

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**4.1 Supplier's responsibility.** Unless otherwise specified herein the supplier is responsible for the performance of all inspection requirements prior to submission for Government inspection and acceptance. Except as otherwise specified, the supplier may utilize his own facilities or any commercial laboratory acceptable to the Government. Inspection records of the examination and tests shall be kept complete and available to the Government as specified in the contract or order.

**4.2 Inspection provisions.**

**4.2.1 Documented evidence.** The supplier will maintain and produce for examination by the Government, documented evidence to support all assurance operations and to assure that all materials are in accordance with their respective specifications as required by the specifications and the applicable drawing.

**4.2.2 Lotting.** A regular production lot shall consist of the regulators produced by one manufacturer, from the same materials, under essentially the same manufacturing conditions.

**4.2.3 Sampling.** Sampling shall be conducted in accordance with Standard MIL-STD-105.

**4.2.4 Examination.**

**4.2.4.1 Nondestructive.** The sample regulators shall be inspected in accordance with 4.2.4.2 and Standard MIL-STD-105. The supplier may utilize any other method of inspection which will assure equal or better quality, provided that he submits the same in writing through the Government inspector-in-charge for approval by the Government and shall not be permitted to use any other method until approval in writing is obtained.

**4.2.4.2 Classification of defects.****4.2.4.2.1 Base (Dwg. D5-65-8A).***Categories and defects**Major—AQL 2.5 percent defective*

1. Length incorrect.
2. Width incorrect.
3. Width of opening incorrect.
4. Length of opening incorrect.
5. Location of opening incorrect.

*Minor—AQL 4.0 percent defective*

51. Damage.
52. Mounting hole incorrect or incorrectly located.

*Incidental—AQL 10 percent defective*

101. Contamination.

**4.2.4.2.2 Regulator (Dwg. D5-65-8B).***Categories and defects**Minor—AQL 2.5 percent defective*

1. Height incorrect.
2. Width incorrect.
3. Lip incorrect or incorrectly located.
4. Damage.

*Minor—AQL 4.0 percent defective*

51. Radii missing.
52. Protective finish missing, inadequate, or incorrect.

*Incidental—AQL 10 percent defective*

101. Contamination.

**4.2.4.2.3 Guide, bottom (Dwg. D5-65-8C).***Categories and defects**Major—AQL 2.5 percent defective*

1. Mounting holes missing.
2. Welding inadequate or incorrect.
3. Top edge not square, preventing proper mounting with vertical guides.
4. Regulator clearness incorrect.
5. Damage.

*Minor—AQL 4.0 percent defective*

51. Width incorrect.
52. Mounting holes, location incorrect.

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- 53. Mounting holes, diameter incorrect
- 54. Protective finish missing, inadequate, or incorrect.

*Incidental—AQL 10 percent defective*

- 101. Contamination.

#### **4.2.4.2.4 Deflector (Dwg. D5-65-8D).**

##### *Categories and defects*

*Major—AQL 2.5 percent defective*

- 1. Width of opening at wall incorrect.
- 2. Zee bracket welded improperly.
- 3. Holes missing.
- 4. Damage

*Minor—AQL 4.0 percent defective*

- 51. Depth at bracket side incorrect.
- 52. Height incorrect.
- 53. Radius incorrect
- 54. Length of zee bracket legs incorrect.
- 55. Width overall incorrect.
- 56. Hole location incorrect.
- 57. Hole diameter incorrect.
- 58. Protective finish missing, inadequate, or incorrect.

*Incidental—AQL 10 percent defective*

- 101. Contamination.

#### **4.2.4.2.5 Guide, vertical (Dwg. D5-65-8E).**

##### *Categories and defects*

*Major—AQL 2.5 percent defective*

- 1. Length incorrect.
- 2. Width incorrect.
- 3. Hole through guide (to permit free passage of thumbscrew) missing.
- 4. Nut thread minor or pitch diameter incorrect.
- 5. Welding inadequate or incorrect.
- 6. Mounting holes missing.
- 7. Damage.

*Minor—AQL 4.0 percent defective*

- 51. Ends not square.
- 52. Mounting holes, location incorrect.
- 53. Mounting holes, diameter incorrect.

- 54. Protective finish missing, inadequate, or incorrect.

*Incidental—AQL 10 percent defective*

- 101. Contamination.

#### **4.2.4.2.6 Preparation for delivery (sec. 5).**

##### *Categories and defects*

*Major—AQL 4.0 percent defective*

- 1. Box size or style incorrect.
- <sup>1</sup>2. Contents missing or incorrectly packed.
- <sup>1</sup>3. Packing component missing or incorrectly assembled.
- <sup>1</sup>4. Thumbscrews improperly preserved, packaged, or marked.
- 5. Marking missing, illegible, or incorrect.
- 6. Damaged containers.
- 7. Box improperly closed or secured.

<sup>1</sup> To be checked prior to closing.

<sup>1</sup> To be checked prior to packing.

### **5. PREPARATION FOR DELIVERY**

#### **5.1 Preservation and packaging.**

5.1.1 *Level A.* The thumbscrews shall be preserved and packaged as specified on Drawing B5-20-127, which is listed on Drawing D5-20-114.

5.1.2 *Level B.* Not applicable.

5.1.3 *Level C.* The thumbscrews shall be preserved and packaged as specified in 5.1.1 except that the corrosion preventive compound shall be omitted.

#### **5.2 Packing.**

5.2.1 *Level A.* The thumbscrews, packaged as specified in 5.1.1, and the rest of the regulator shall be packed as specified on Drawing D5-20-114.

5.2.2 *Level B.* The regulator shall be packed as specified in 5.2.1, except that the shipping container and sleeve shall conform to type II, class 1 of Specification PPP-B-

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636. The box shall be closed and strapped in accordance with the appendix to the box specification.

5.2.3 *Level C*. The regulator shall be packed as specified in 5.2.2 except that the sleeve and strapping (Dwg. D5-20-114) shall be omitted.

5.3 **Marking**. In addition to any special marking required by the contract or order, all interior packages and shipping containers shall be marked in accordance with Standard MIL-STD-129.

**6. NOTES**

6.1 **Intended use**. The regulator is intended to regulate the pressure between the air locks of protective shelters by a manually-operated sliding panel.

6.2 **Ordering data**. Procurement documents should specify the following:

- (a) The title, number, and date of this specification.

- (b) The levels of preservation, packaging, and packing required.

6.3 **Stock number**. The Federal stock number for this item is 4240-368-6144.

**Notice**. When Government specifications, drawings, or other data are used for any purpose other than in connection with a definitely related Government procurement operation, the United States Government thereby incurs no responsibility nor any obligation whatsoever; and the fact that the Government may have formulated, furnished, or in any way supplied the said drawings, specifications, or other data is not to be regarded by implication or otherwise as in any manner licensing the holder or any other person or corporation, or conveying any rights or permission to manufacture, use, or sell any patented invention that may in any way be related thereto.

**Custodians:**

Army—Chemical Corps

Navy—Bureau of Yards and Docks

Air Force

**Preparing activity:**

Army—Chemical Corps