

GGG-M-125/8B
14 October 1985
SUPERSEDING
GGG-M-125/8A
September 20, 1982

FEDERAL SPECIFICATION

RESPIRATOR ASSEMBLY: HALF MASK, AIR-PURIFYING PARTICULATE-FILTER
(FOR DUSTS AND MISTS)

This specification is approved for use by the Naval Facilities Engineering Command, Department of the Navy, and is available for use by all Departments and Agencies of the Department of Defense.

The complete requirements for procuring the respirators described herein shall consist of this document and the issue in effect of GGG-M-125/GEN.

1. SCOPE AND CLASSIFICATION

1.1 Scope. This specification covers the specific requirements for air-purifying, half-mask respirators with filters for removal of dust and mist from air.

1.2 Classification. Half-mask respirators covered by this specification shall be of the following types, styles, and sizes as specified (see 6.2):

Type I - Replaceable filter(s)

Style A - Single filter

Style B - Dual filter

Type II - Non-replaceable filter (disposable)

Style A - Single filter

Size 1 - Small

Size 2 - Medium

Size 3 - Large

2. APPLICABLE DOCUMENTS

Latest issue of GGG-M-125/GEN and documents referenced therein and the additional documents specified herein.

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

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3. REQUIREMENTS

3.1 Approval and certification. (See GGG-M-125/GEN).

3.2 Design. Respirator masks shall be of a design that covers the mouth and nose, leaving the eyes uncovered. The design shall allow respirable air to pass through the filter with minimum resistance to breathing when worn. Type I mask (see figure 1) shall have provisions for allowing one or two filters to be attached to the facepiece. Type II mask (see figure 2) shall be a completely disposable item, that is discarded after use. Both types shall permit the wearer to have unobstructed and good downward vision even when protective spectacles or eyeglasses are worn. The design shall provide a gas-tight seal with the face, when worn.

3.2.1 Type I. The type I respirator assembly shall be a half-mask, air-purifying respirator with provisions to replace these air-purifying filter(s).

3.2.2 Type II. The type II respirator assembly shall be a half-mask, air-purifying respirator where the air-purifying filter is not intended to be replaceable.

3.3 Principal parts. Respirators shall consist of the following parts where required:

- a. Half-mask facepiece
- b. Head harness (see 3.3.1)
- c. Exhalation valve or valves (see 3.3.2)
- d. Inhalation valve or valves (see 3.3.3)
- e. Filter(s) or filter cartridge(s) (see 3.3.4)

3.3.1 Head harness. The head harness shall be of the type supplied on the respirator when certified by the NIOSH/MSHA.

3.3.2 Exhalation valve. The exhalation valve or valves shall be securely mounted on the facepiece, and shall be so designed as to permit passage of the exhaled air and prevent entrance of air to the mask during inhalation.

3.3.3 Inhalation valve. The inhalation valve or valves shall be securely mounted on the facepiece, and shall be so designed to permit the entry of inhaled air into the mask through the filter with no outward leakage during exhalation.

3.3.4 Filters. The filters shall provide protection against dusts and mists having an air contamination level not less than 0.05 milligram per cubic meter or 2 million particles per cubic foot as specified in 30 CFR Part 11, Subpart K.

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3.3.4.1 Filters for type I respirator. Each type I, style A, respirator assembly shall be furnished with 50 filters and each type I, style B respirator assembly shall be furnished with 100 filters.

3.4 Interchangeability. Requirements in accordance with GGG-M-125/GEN.

3.5 Instructions. Requirements in accordance with GGG-M-125/GEN.

3.6 Marking. Requirements in accordance with GGG-M-125/GEN.

3.7 Workmanship. Requirements in accordance with GGG-M-125/GEN.

3.8 Sanitization. Type I shall conform to the requirements for masks specified in GGG-M-125/GEN.

4. QUALITY ASSURANCE PROVISIONS

4.1 Quality assurance provisions shall be in accordance with the requirements of GGG-M-125/GEN and the additional requirements specified herein.

4.2 Examination. Respirator samples shall be selected in accordance with GGG-M-125/GEN and shall be examined for the defects listed in table I.

TABLE I. Classification of defects.

Categories	Defects
Major:	
101	Type, style, or size not as specified.
102	NIOSH/MSHA approval label missing.
103	Principal parts missing.
104	Filter(s) not as specified.
105	Quantity of extra filters not as specified.
106	Instructions missing.
107	Marking not as specified.
108	Poor Workmanship.

4.3 Tests. Respirator assemblies sampled in accordance with GGG-M-125/GEN shall be subjected to the following test:

- a. Cleaning and sanitization test type I only (see GGG-M-125/GEN).

5. PREPARATION FOR DELIVERY (In accordance with GGG-M-125/GEN).

6. NOTES

6.1 Intended use. Half-mask respirators covered by this specification are intended to provide protection to the respiratory organs of the wearer from dusts and mists and pneumoconiosis- and fibrosis-producing dusts, or dusts and mists. Type II respirators are intended to be discarded after use.

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

- a. Title, number, and date of this specification.
- b. Title and date of general specification GGG-M-125/GEN.
- c. Type, style, and size required (see 1.2).
- d. Level of packaging and level of packing required (see GGG-M-125/GEN).

MILITARY INTEREST:

Custodians

Army - EA
Navy - YD
Air Force - 99

Review Activities

Army - MD, ME
DLA - GS

User Activities

Navy - SH, CG, MC

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - FSS
TVA
DCG

PREPARING ACTIVITY:

Navy - YD

DoD project 4240-0523

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.