

GGG-M-125/9A
September 20, 1982
SUPERSEDING
GGG-M-125/9
March 28, 1975

FEDERAL SPECIFICATION

RESPIRATOR ASSEMBLIES: AIR LINE, HOOD AND HELMET (FOR ABRASIVE BLASTING OPERATIONS)

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

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 respirator assemblies using supplied air (demand flow or continuous flow) with protective hoods and for abrasive cleaning operations.

1.2 Classification. Abrasive cleaning respirator assemblies shall be of the following types and models as specified (see 6.2):

Type I - Protective hood and full facepiece respirator with air-regulating valve.

Type II - Helmet respirators with protective vest.

Model 1 - Respirable compressed air control unit.

Model 2 - Respirable compressed air cooling unit.

Model 3 - Respirable compressed air heating unit.

Model 4 - Respirable compressed air cooling and heating unit.

2. APPLICABLE DOCUMENTS

Latest issue of GGG-M-125/GEN, GGG-M-125/1, and GGG-M-125/2 and documents referenced therein and the additional documents specified herein.

3. REQUIREMENTS

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

3.2 Design.

3.2.1 Type I respirator. Type I respirator shall consist of a protective hood (see 3.2.2), and a full facepiece respirator (see figure 1). The full facepiece respirator shall conform to the requirements of type I, style C specified in GGG-M-125/1.

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3.2.2 Protective hood. The protective hood shall be made of material that adequately protects the head and neck against impact, abrasion, and rebounding material. The top of the hood shall be shaped to form a cover for the head, shoulders, and to permit attachment of the breathing tube to the back of the hood, thereby facilitating the circulation of respirable air within the hood. The front shall have a removable lens or lenses and so designed to accommodate the full facepiece respirator. The lower part of the hood shall have provisions to hold it in place around the waist.

3.2.3 Type II, models 1, 2, 3, and 4 respirators. Type II, models 1, 2, 3, and 4 respirators (see figure 2), shall conform to the requirements of type I, models 1, 2, 3, and 4 respirators respectively specified in GGG-M-125/2 (see 6.2), with the exception of the outer protective cover (shroud) (see 3.2.3.1).

3.2.3.1 Outer protective cover. The outer protective cover shroud shall be made of a material that adequately protects the head and neck, back, shoulders, and chest against impact abrasion or rebounding material. The top of the shroud shall be provided with a means for attaching it to the helmet specified in 3.2.3. The lower part of the protective shroud shall be held in place by adjustment straps that go around the wearer's waist.

3.3 Cover shield. Unless otherwise specified (see 6.2), 200 self-adhering transparent sheets, a metal screen or other suitable material which does not interfere with the vision of the wearer shall be furnished (at the contractor's option.) The protective screen shall attach over the outside surface of the viewing area of the type II helmet face shield.

3.3.1 Cover and face shield cleaner. Unless otherwise specified (see 6.2), two 8-ounce bottles or one 16-ounce bottle of cleaner, at the option of the manufacturer, shall be furnished with each respirator.

3.4 Spare parts. When specified (see 6.2), spare parts shall be furnished.

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

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

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

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

3.9 Workmanship. Requirements in accordance with 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 selected in accordance with GGG-M-125/GEN shall be examined for the defects listed in table I.

TABLE I. Classification of defects.

Categories	Defects
Major:	
101	Type or model not as specified.
102	Respirator not in accordance with NIOSH/MSHA requirements.
103	Type I hood facepiece not removable.
104	Principal parts missing.
105	Type II cover shields missing or not correct quantity.
106	Detachable coupling not as specified.
107	Spare parts missing when specified.
108	Instructions missing.
109	Marking not as specified.
110	Poor workmanship.

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

- a. Cleaning and sanitization test (see GGG-M-125/GEN).
- b. Leakage test (see GGG-M-125/GEN).
- c. Lens test (see GGG-M-125/GEN).
- d. Helmet impact and penetration tests for type II respirators (see GGG-M-125/GEN).
- e. Temperature air control test for type II, models 2, 3, and 4 respirators (see GGG-M-125/2).

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

6. NOTES

6.1 Intended use. Respirators covered by this specification are intended to protect the respiratory organs of the wearer from toxic vapors, metal fumes, mists, dust, and abrasive materials used in sand blasting operations.

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

- a. Title, number, and date of this specification.
- b. Title and date of general specification GGG-M-125/GEN.
- c. Type or model required (see 1.2).
- d. Specify whether respirator is furnished with or without air-line hose (see 3.2.3).
- e. Specify fixed orifice or air-regulating valve for model 1 respirator (see 3.2.3).
- f. Specify if compressed air-purifying assembly is required (see 3.2.3).
- g. If number of cover shields required are different (see 3.3).
- h. If quantity of cover and face shield cleaner is different (see 3.3.1).
- i. Specify if spare parts are required and list quantity of each type of spare part required (see 3.4).
- j. Level of packaging and level of packing required (see GGG-M-125/GEN).

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6.3 Cross reference of classifications. The following respirators were previously classified as indicated:

New
GGG-M-125/9A
Type I

Old
GGG-M-125/9
Type I, style B

MILITARY INTEREST:

CIVIL AGENCY COORDINATING ACTIVITY:

Custodians

GSA - FSS

TVA -

DCG

Army - EA

Navy - YD

Air Force - 99

PREPARING ACTIVITY:

Review Activities

Navy - YD

Army - MD, ME

DLA - GS

Project No. 4240-0449

User Activities

Navy - SH, CG, MC

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.

NOTICE OF
VALIDATION

GGG-M-125/9A
NOTICE 1
17 August 1987

FEDERAL SPECIFICATION

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(FOR ABRASIVE BLASTING OPERATIONS)

GGG-M-125/9A, dated September 20, 1982, has been reviewed and determined to be valid for use in acquisition.

Custodians:

Army - EA
Navy - YD
Air Force - 99

Preparing Activity:

Navy - YD

Civil Agency Coordinating Activities:

GSA - FSS
TVA
DCG

Review Activities:

Army - MD, ME
DLA - GS

User Activities:

Navy - CG, MC, SH

AMSC N/A

FSC 4240

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