

INCH-POUND

MIL-V-8612A
AMENDMENT 2
10 January 1996
SUPERSEDING
AMENDMENT 1
7 December 1979

MILITARY SPECIFICATION

VALVE; HIGH-PRESSURE OXYGEN LINE

This amendment forms a part of MIL-V-8612A, dated 5 February 1971, and is approved for use by all Departments and Agencies of the Department of Defense.

PAGE 1

2.1 Under SPECIFICATIONS - FEDERAL: Delete the following:

"O-T-236 Tetrachloroethylene (Perchloroethylene), Technical Grade
O-T-634 Trichloroethylene, Technical"

Delete "PPP-B-636 Box, Fiberboard" and substitute:
"PPP-B-636 Box, Shipping Fiberboard."

Under SPECIFICATIONS - MILITARY:

Delete "MIL-P-116 Preservations, Methods of" and substitute:
"MIL-P-116 Preservation-Packaging, Methods of."

* Add the following to the bottom of the page:

"Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Commander, Systems Engineering Department, Code 4.1.41B120-3, Naval Air Warfare Center Aircraft Division, Highway 547, Lakehurst, NJ 08733-5100, by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document, or by letter."

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- * 2.1 Under SPECIFICATIONS - MILITARY: Delete the following:

"MIL-C-81302 Cleaning Compound, Solvent, Trichloro-
fluoroethylene
MIL-T-81533 Trichloroethane 1.1.1 (Methyl Chloroform),
Inhibited, Vapor Degreasing"

Under STANDARDS - MILITARY: Delete the following:

"MS 33586 Metals, Definitions of Dissimilar"

Add the following:

- * "MIL-STD-889 Dissimilar Metals
MIL-STD-1359 Cleaning Methods and Procedures for Breathing
Oxygen Equipment"

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- 3.1 Delete paragraph in its entirety and substitute the following:

"3.1 First article. When specified (see 6.2), the contractor shall furnish sample units for first article inspection and approval (see 4.3 through 4.3.2, and 6.2.c)."

- 3.2.1.1, line 3: Delete "MS 33586" and substitute "MIL-STD-889."

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- * 3.3.8 Delete paragraph in its entirety and substitute the following:

"3.3.8 Degreasing. Prior to assembling the valve, all internal surfaces and components shall be cleaned in accordance with MIL-STD-1359. After assembly, the absence of cleaning compounds shall be verified in accordance with MIL-STD-1359."

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- * Add new paragraph "3.4.10 Oxygen test."

- * 3.4.10 Delete "3.4.10" and substitute "3.4.10.1."

- * Add new paragraph "3.4.10.2 Oxygen purge. When tested in accordance with 4.6.11.2, the valve shall not ignite, and there shall not be any evidence of charring or deterioration."

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4.1 Delete paragraph in its entirety and substitute the following:

"4.1 Responsibility for inspection. Unless otherwise specified in the contract, the contractor is responsible for the performance of all inspection requirements as specified herein. Except as otherwise specified in the contract, the contractor 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 this specification where such inspections are deemed necessary to assure supplies and services conform to prescribed requirements."

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* 4.4 Add to bottom of list "Oxygen purge, if required."

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* Add to the bottom of table I:

| | | | | |
|--------------|----------|----------|-------------|----------------------------|
| Oxygen purge | 3.5.12.2 | 4.7.13.2 | Every valve | Reject all defective units |
|--------------|----------|----------|-------------|----------------------------|

* 4.5.1 After first sentence, add: "If oxygen is not used as the test gas, oxygen in accordance with MIL-O-27210, type I shall be used to purge in accordance with 3.4.10.2 and 4.6.11.2."

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* 4.6.4 In first sentence, delete "hydraulic" and substitute "hydrostatic."

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4.6.9.10 Delete "4.6.9.10" and substitute "4.6.10."

* Add new paragraph "4.6.11 Oxygen test."

* 4.6.11 Delete "4.6.11" and substitute "4.6.11.1."

* 4.6.11.1 Delete "4.6.11.1" and substitute "4.6.11.1.1."

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- * 4.6.11.2 Delete "4.6.11.2" and substitute "4.6.11.1.2."
- * 4.6.11.3 Delete "4.6.11.3" and substitute "4.6.11.1.3."
- * Add new paragraph "4.6.11.2 Oxygen purge. The valve shall be connected to a regulated source of oxygen (see 4.5.1). An inlet pressure of 1800 psig shall be applied and the valve shall free flow for 3 to 5 minutes. The valve shall meet the applicable requirements of 3.4.10.2."

5. Delete "PREPARATION FOR DELIVERY" and substitute "PACKAGING."

5.1 Delete paragraph in its entirety and substitute the following:

"5.1 Preservation and packaging. Preservation and packaging shall be Level A or C, as specified by the procuring activity (see 6.2)."

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6.3 Delete paragraph in its entirety and substitute the following:

"6.3 Contract data requirements. When this specification is used in a procurement which incorporates a DD Form 1423 and invokes the provisions of 7-104.9(n) of the Defense Acquisition Regulations, the data requirements identified below will be developed as specified by an approved Data Item Description (DD Form 1664) and delivered in accordance with the approved Contract Data Requirements List (DD Form 1423) incorporated into the contract. When the provisions of DAR7-104.9(n) are not invoked, the data specified below will be delivered by the contract in accordance with the contract requirements. Deliverable data required by this contract is cited in the following paragraph:

| <u>Paragraph</u> | <u>Data Requirement</u> | <u>Applicable DID</u> |
|------------------|-------------------------------------|---------------------------------------|
| 4.3.2 | First article Inspection Reports | DI-T-5329 Inspection Test Reports" |

6.4 Add the following new paragraph:

"6.4 When a first article is required, it shall be tested under the appropriate provision of 7-104.55 of the Defense Acquisition Regulation. The first article should be a preproduction sample. The contracting officer should include specific instructions in all procurement instruments, regarding arrangements for examination, test, and approval of the first article."

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Note: The margins of this amendment are marked with asterisks to indicate where changes (additions, modifications, corrections, deletions) from the previous amendment were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous amendment.

Custodians:

Army - AV
Navy - AS
Air Force - 99

Preparing activity:

Navy - AS

(Project 4820-0669)

Review activities:

Army - ME
Air Force - 11
DLA - CS