

MIL-V-24332 (SHIPS)  
 AMENDMENT-2  
 6 February 1974  
 SUPERSEDING  
 Amendment-1  
 14 March 1972

MILITARY SPECIFICATION  
 VALVES, ANGLE RELIEF, FOR LIQUID SERVICE  
 (NAVAL SHIPBOARD)

This amendment forms a part of Military Specification MIL-V-24332 (SHIPS), 1 July 1968 and is approved for use by all Departments and agencies of the Department of Defense.

Page 1

2.1, under Military Specifications: Delete reference to "MIL-D-1000/2" and "MIL-M-15071".

Page 2

Under "AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)": Add

"A68 - Carbon-Steel Bars for Springs.  
 A227 - Hard-Drawn Steel Spring Wire.  
 A229 - Oil-Tempered Steel Spring Wire.  
 A552 - Alloy Steel Bars for Springs."

Page 3

Table I, column 2, opposite "Springs": Add: "ASTM A68, ASTM A227, ASTM A229, and ASTM A552."

Page 4

Add as paragraph 3.4.13:

"3.4.13 Envelope integrity. Body and bonnet walls shall be solid. Plugged drain connections or other penetrations are not permitted."

Pages 5 and 6

3.8 through 3.9: Delete and substitute:

"3.8 Technical data. The supplier shall prepare drawings and a technical manual in accordance with the data ordering documents included in the contract or order (see 6.2.1).

"1.8.1 Drawings. In addition to the drawing content required by the data ordering document, the following unique technical features shall be included:

- (a) Details of the seat, and disc and stem assembly.
- (b) Recommended assembly, torques, or other equivalent procedures, for making up all joints and threaded assemblies.
- (c) Adjustable set pressure range.
- (d) Required capacity.
- (e) Rated capacity (at accumulation pressure).
- (f) Maximum allowable blowdown.
- (g) Blowdown (if adjustable, list adjustable blowdown range as well as actual blowdown setting).
- (h) Installation limitations of valve (maximum permissible inlet pressure loss and maximum permissible back pressure buildup for which valve is designed).

THE MARGINS OF THIS SPECIFICATION ARE MARKED "\*" TO INDICATE WHERE CHANGES (ADDITIONS, MODIFICATIONS, CORRECTIONS, DELETIONS) FROM THE PREVIOUS ISSUE HAVE BEEN 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 ISSUE.

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Pages 5 and 6 (cont'd)

"3.8.2 Limited rights legend. When the Government has only limited rights in the data shown on the drawings, as determined by the contractual provisions regarding rights in technical data, the drawings furnished may be marked with the following restrictive legend:

'Furnished under United States Government Contract No. \_\_\_\_\_. Shall not be either released outside the Government, or used, duplicated, or disclosed in whole or in part for manufacture or procurement, without the written permission of \_\_\_\_\_, except for:  
(a) emergency repairs or overhaul work by or for the Government, where the item or process concerned is not otherwise reasonably available to enable timely performance of the work; or (b) release to a foreign government, as the interests of the United States may require; provided that in either case the release, use duplication or disclosure hereof shall be subject to the foregoing limitations. This legend shall be marked on any reproduction hereof in whole or in part.'

"3.9 Technical manual. In addition to the general requirements covered by the data ordering document, the following unique technical feature shall be included:

(a) Table listing wrench size and assembly torques (or equivalent procedures) for making up all joints and threaded assemblies."

Page 7

Table III, column 2, opposite "Proof test": Delete and substitute:

"Valve gagged shut or disc and spring assembly removed and seat blanked off. Water at 1.5 times pressure applied to inlet. Water at pressure defined by 3.4.2 applied to outlet."

Table III, Note 1: Delete.

Page 9

5.2, item (1): Delete.

Add as paragraph 5.2.1:

"6.2.1 Contract data requirements. When this specification is used in a procurement invoking the provisions of the Services Procurement Regulations (ASPR) paragraph 7-104.9(n) and which incorporates the CD Form 1423 Contract Data Requirements List (CDRL) the data requirements identified below will be developed as specified in the cited Data Item Description (DID) and delivered in accordance with such CDRL. When the ASPR provisions are not invoked, the data specified below shall be delivered in accordance with the contract requirements.

<u>Spec Paragraph</u>	<u>Data requirement</u>	<u>Service</u>	<u>Applicable DID</u>	<u>Options</u>
(a) 3.8.1	Drawings	SH	UDI-E-23174	Categories A, G and H, form 2, types II and III
(b) 3.9	Technical manual	SH	UDI-E-23455	MIL-M-15071, type I

"(Copies of DID's required by the supplier in connection with specific procurement functions should be obtained from the procuring activity or as directed by the contracting officer. Unless otherwise indicated, the issue in effect on date of invitation for bids or request for proposal shall apply.)"

Preparing activity:  
Navy - SH  
(Project 4820-N295)

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