

METRIC

MIL-V-24694/2(SH)

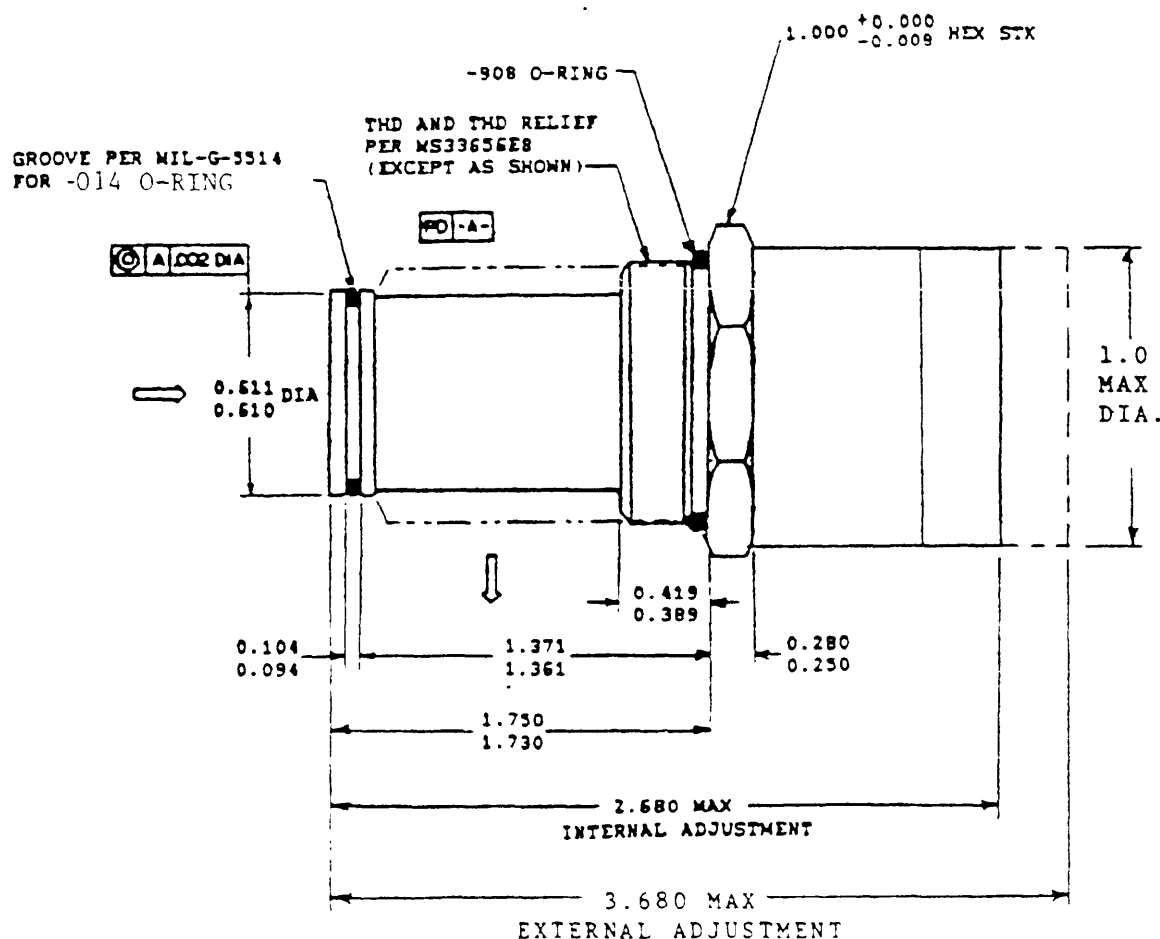
28 October 1987

MILITARY SPECIFICATION SHEET

VALVE, HYDRAULIC RELIEF, 1.5 - 35 BAR,
10 LPM CARTRIDGE TYPE

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

The requirements for acquiring the hydraulic relief valve described herein shall consist of this document and the latest issue of MIL-V-24694.



All dimensions are shown in inches.

AMSC N/A

FSC 4810

DISTRIBUTION STATEMENT A Approved for public release; distribution unlimited

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TABLE I. Pressure class.

| Class | Nominal set pressure range, differential | |
|-------|--|--------------------|
| | Bar (1 x 10 ⁵ pascals) | lb/in ² |
| -A | 1.4 - 7.0 | 20.3 - 101.5 |
| -B | 7.0 - 14.0 | 101.5 - 203 |
| -C | 14.0 - 20.0 | 203 - 290 |
| -D | 20.0 - 28.0 | 290 - 406 |
| -E | 28.0 - 35.0 | 406 - 507.5 |

TABLE II. Adjustment type.

| Dash letters | Description |
|--------------|---------------------|
| IN | Internal adjustment |
| EX | External adjustment |

Requirements:

1. Allowable reseal leakage 8 mL³ per minute maximum with maximum fluid viscosity of 75 centistokes.
2. Surface roughness shall not exceed 125 microinches in accordance with ANSI B46.1. Remove all burrs and break sharp edges 0.005 minimum.
3. Material shall be in accordance with MIL-V-24694.
4. Rated flow shall be 10 liters per minute.

Part number: The part number shall consist of the basic number of this specification sheet, plus the applicable class letters selected from table I, and the adjustment type dash letters selected from table II. For valves whose pressure range covers more than one class, the letters designating the minimum and maximum settings are used to form the part number.

Example: M24694/2-C-IN Valve with a pressure range of 14.0 to 20 bar differential, internal adjustment
M24694/2-AE-IN Valve with a pressure range of 1.4 to 35 bar differential, internal adjustment

Preparing activity:

Navy - SH

(Project 4810-N057-2)

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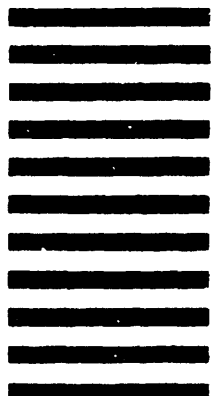
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(See Instructions - Reverse Side)

| | | | |
|--|---|--|--|
| 1 DOCUMENT NUMBER M11-1-14674 (SH) | 2 DOCUMENT TITLE VALVE, HYDRAULIC RELIEF, 1.5 - 35 BARS (22 - 500 POUNDS PER SQUARE INCH) CARTRIDGE TYPE, GENERAL SPECIFICATION FOR | | |
| 3a NAME OF SUBMITTING ORGANIZATION | | 4 TYPE OF ORGANIZATION (Mark one) | |
| b ADDRESS (Street, City, State, ZIP Code) | | <input type="checkbox"/> VENDOR | |
| | | <input type="checkbox"/> USER | |
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| 5 PROBLEM AREAS | | | |
| a Paragraph Number and Wording | | | |
| b Recommended Wording | | | |
| c Reason/Rationale for Recommendation | | | |
| 6 REMARKS | | | |
| 7a NAME OF SUBMITTER (Last, First, MI) - Optional | | b WORK TELEPHONE NUMBER (Include Area Code) - Optional | |
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