QUALITY ASSURANCE PROVISIONS

NSN: 9G 1680 00-602-7145
P/N: (88277) 3543434
NOMEN: Valve assy- Drop Tank -Pressure Relief

Articles to be furnished hereunder shall be manufactured, tested and inspected in accordance with drawing number (88277) 3543434 Rev. "F", or latest revision and all details and specifications referenced therein.

I. Quality/Inspection Requirements

A. MIL-I-45208 or ISO 9000 equivalent applies:
B. First Article Testing applies:
C. Mandatory Inspection applies:

II. Supplemental Requirements

A. Additionally, para. 3.1-3.5, 5.1-5.2, 6.1-6.2 of MIL-Q-9858 or ISO 9000 equivalent apply.

B. The contractor shall include on the detailed process/operation sheets developed, a tracking method that is traceable to the contract, all in-house manufacturing processes, and the identity of all manufacturing sources performing process/operations outside their facilities. These sheets shall not be revised or altered after the successful completion of First Article and/or Production Lot Testing without approval from the Engineering Support Activity (ESA), via the PCO.

C. The Inspection Method Sheets, which list the characteristics of each item, produced under the contract shall have serial number traceability to the raw material, casting, or forging.The tracking method used on the inspection / method sheets shall be traceable to the contract. In addition, the contractor is responsible for providing completed inspection method sheets showing the actual dimensions taken of all critical characteristics.

D. Markings should be in accordance with MIL-STD-130 Rev. "K" paragraph 5.3.3(a), (b),(c), and (g). Method and location shall be in accordance with the drawing.

III. Mandatory Inspection Requirements

During production, mandatory inspection is required to be accomplished by the contractor, as follows:

A. Level of Inspection (LOI):

1) Critical Characteristics: 100% inspection shall apply.

2) Major and Minor Characteristics - LOI shall be in accordance with a sampling plan acceptable to the QAR.

B. Critical Characteristics:

DRAWING *(88277) 3543434*

Critical Characteristics:
(Shall be defined as below, unless defined by the Prime Contractor (16552)

Diametrical and liner dimensions having a total tolerance of 0.001 or less.

Surface finishes having a 16 value or less.

Any geometric feature control requirement with a total tolerance range of 0.002 or less.

Angular tolerances with a total range less than (1) one degree.

Threads specified to class (3) three or greater.

C. Major and Minor Characteristics:

1) Shall be defined by the contractor subject to QAR concurrence, unless defined on applicable drawings and associated specifications.

IV. Unless expressly provided for elsewhere in this Clause, equipment such as fixtures, jigs, dies, patterns, templates, Mylar's, special tooling, test equipment, or any other manufacturing aid required for the manufacture and/or testing of the subject items will not be provided by the Government or any other source and is the sole responsibility of the Government or any other source and is the sole responsibility of the contractor. The foregoing applies notwithstanding any reference to such equipment or the furnishing thereof that may be contained in any drawing

FIRST ARTICLE TESTS REQUIRED (Contractor Testing)

. First Article Inspection/Test Criteria

The tests to be performed under the First Article approval clause of the contract are:

A. Dimensional Check: to ensure proper form

B. Compliance with drawing, (88277) 3543434 Rev "F" and specifications referenced therein.

C. Review documentation as provided under DD 1423 requirements.

In addition to the above tests, the First Articles to be delivered hereunder shall also be subjected to those tests which will demonstrate that the articles comply with contract requirements.
The contractor shall be responsible for providing necessary parts and repair of the First Article (s) during testing.

II. Testing Facility:

A. Testing shall be performed in-house by the DCM/QAR, at the contractors facility.

III. Notification of Testing: The contractor shall notify the PCO, ACO, and QAR prior to conducting First Article Tests so the Government may witness such testing.

A. The QAR shall be present to witness all First Article Tests .

IV. Test Report: The test report shall be in accordance with MIL-STD-831 and shall be submitted (2 copies) via the Cognizant CAO/QAR to the PCO. CAO/QAR shall provide comments on form DD 1222 (2 copies) which shall be forwarded with the test report. Approval of the test report is the PCO's responsibility. Upon notification of approval/conditional approval, the ACO shall execute the DD 250 to indicate Government acceptance of the test report.

V. Disposition of First Article Sample (s):

A. Samples may be considered as production items under the contract provided the samples can be refurbished to ready for issue (RFI) condition and provided the samples have inspection approval of the cognizant QAR. Samples may be shipped as production items only after all other units required under the contract have been produced and are ready for shipment.

FIRST ARTICLE APPROVAL (CONTRACTOR TESTING)

A. The contractor shall test 2 unit (s) of lot/item 0001 as specified in this contract. At least 15 calendar days before the beginning of First Article Testing, the contractor shall notify the contracting officer, in writing , of the time and location of the testing so the Government may witness the tests.

B. If the First Article is disapproved, the contractor, upon Government request, shall submit an additional First Article for testing. After each request, the contractor shall make any necessary changes, modification, or repairs to the First Article or select another First Article for testing. All costs related to these tests are to be borne by the contractor, including any and all costs for additional tests following a disapproval. The contractor shall furnish any additional First Article to the Government under the terms and conditions and within the time specified by the Government. The Government shall act of this First Article within the time limit specified.The Government reserves the right to require an equitable adjustment of the contract price for any extension of the delivery schedule or for any additional costs to the Government related to these tests.

C. If the contractor fails to deliver any First Article on time, or the contracting officer disapproves any First Article, the contractor shall be deemed to have failed to make delivery within the meaning of the default clause of this contract.

D If the Government does not act within the time specified, the contracting officer shall, upon timely written request from the contractor, equitably adjust under the changes clause of this contract the delivery or performance dates and/or the contract price, and any other contractual term affected by the delay.

E. Before First Article approval, the acquisition of materials or components for, or the commencement of production of, the balance of the contract quantity is at the sole risk of the contractor. Before First Article approval, the costs thereof shall not be allocable to this contract for 1)-progress payments, or 2) termination settlements if the contract is terminated for the convenience of the Government.

F. The contractor shall produce both the First Article and the production quantity at the same facility and shall submit a certification to this effect with each First Article.

G The contractor shall provide specific written notification to the procuring contractor officer informing him/her of the shipment of any articles furnished in accordance with this clause. Such notification must be addressed to the attention of the ACO with copies to the testing activity. Failure to provide such notification shall excuse the government from any delay in performing First Article Testing and informing the contractor of the results thereof.

PRODUCTION LOT TESTING (CONTRACTOR TESTING)

A. The Production Lot Samples shall be selected at random by the cognizant government QAR.
The samples shall be identified by contract number, lot number and be clearly marked as follows:

PRODUCTION LOT TEST SAMPLES
NOT RFI MATERIAL
DO NOT TAKE UP IN STOCK

B. Such samples shall be tested in sufficient time prior to the delivery date of the production articles to allow a 45 day period for testing and written notification by the contracting officer of the approval or disapproval of the samples. Within 15 days of the receipt of the samples, the CAO shall notify the contracting officer, ***Defense Supply Center Richmond*** of the results of the testing, together with a recommendation for approval or disapproval.

C. In the event the contractor does not receive written notification of approval or disapproval of the samples for a particular production lot within 120 days from their submission for such testing, the contract delivery schedule shall be equitably adjusted as necessary.

D. If the contractor fails to deliver any Production Lot Samples for testing within the time specified, or if the contracting officer disapproves any Production Lot Samples, the contractor shall be deemed to have failed to make delivery within the meaning of the default clause of this contract, and this contract shall be subject to termination for default.

E. In order for a Production Lot to be acceptable, all samples representative of the lot must pass all of the contract requirements. In the event a sample fails to pass such requirements, the lot will be rejected. In such event, the Government may, at its option and at no additional cost to the Government, (I) terminate all of any portion of this contract for default, (II) require the manufacture of a new production lot, or a rework of the rejected Production Lot if the means and procedures proposed by the contractor for rework are acceptable to the Government, or (III) require the submission of additional samples for test. The foregoing procedures shall apply to new or reworked production lots in the same way as they did to the original Production Lot.

F. For each additional sample or each resubmission of a modified sample which the contractor is required to submit for approval hereunder as a result of the failure of a previous sample to conform to the requirements of the specification, the contractor shall pay to the Government the costs of reinspection, shipping, examination and retesting by the Government, and the contractor and his sureties (if any) shall be liable for the amount of such costs.

G. Nothing contained in the foregoing provisions of this clause, and no action of the Government in accordance herewith, shall in any way prejudice the right of the Government under the clause of this contract entitled Default.

CONTRACT DATA REQUIREMENTS LIST
(2 Data Items)

Form Approved
OMB No. 0704-0188

The public reporting burden for this collection of information is estimated to average 220 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0704-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY:
9G 1680 00-602-7145		TDP☐ TM☐ OTHER☐
D. SYSTEM/ITEM	**E. CONTRACT/PR NO.**	**F. CONTRACTOR**

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
1	CERTIFICATION DATA REPORT	COMPLETE PROCESS OPERATION SHEETS	

4. AUTHORITY (Data Acquisition Document No.)	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-MISC-80678/T1		DEFENSE SUPPLY CENTER RICHMOND	

7. DD250 REQ	9. DIST STATEMENT REQUIRED	10 FREQUENCY	12 DATE OF FIRST SUBMISSION
LT		AS REQ.	SEE BLOCK # 16
8. ADP CODE		**11. AS OF DATE**	**13. DATE OF SUBSEQUENT SUBMISSION**
A		AS REQ.	SEE BLOCK # 16

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
DCMC/ACO		1/0	
DCMC/QAR		1/0	
PCO		1/0	
15. TOTAL		3/0	

16. REMARKS

PARA. 10.1,10.2,10.2.1,10.2.2,10.2.4,10.5
*UPON SUBMISSION OF FIRST ARTICLE/PRODUCTION LOT TEST SAMPLE (S)
** IF PROCESS OPERATION SHEETS CHANGE AFTER SUCCESSFUL COMPLETION OF FAT/PLT

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
2	CERTIFICATION DATA REPORT	COMPLETE INSPECTION METHOD SHEETS	

4. AUTHORITY (Data Acquisition Document No.)	5. CONTRACT REFERENCE	6. RE2QUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-MISC-80678/T2		DEFENSE SUPPLY CENTER RICHMOND	

7. DD 250 REQ	9. DEST STATEMET REQUIRIED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT		AS REQ.	SEE BLOCK # 16
8. ADP CODE		**11 AS OF DATE**	**13 DATE OF SUBSEQUENT SUBMISSION**
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16. REMARKS

PARA. 10.1,10.2,10.2.1,10.2.2,10.2.4,10.5

*UPON SUBMISSION OF FIRST ARTICLE/PRODUCTION LOT TEST SAMPLE (S)
** AT TIME OF CONTRACT COMPLETION

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
NAVICP-P	Nov.9,2001	NAVICP-P	Nov.9,2001

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. Listed in Block E.

A. CONTRACT LINE ITEM NO.	B. EXH/ATCH NO.	C. CATEGORY:
		TDP TM OTHER

D. SYSTEM/ITEM 9G 1680 00-602-7145	E. CONTRACT/PR	F. CONTRACTOR

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
3	CERTIFICATION DATA/ REPORTS		

4. AUTHORITY (Data Acquisition Document No.)	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-MISC-80678/T3		DEFENSE SUPPLY CENTER RICHMOND	

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT		AS REQ	SEE BLOCK 16*

8. ADP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
A	AS REQ	SEE BLOCK 16*

14. DISTRIBUTION

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DCMC/ACO		1/0	
DCMC/QAR *		1/0	
PCO **		1/0	

16. REMARKS

PARA. 10.1,10.2,10.2.1,10.2.2,10.2.4,10.5 apply

BLOCK # 12- UPON SUBMITTAL OF FIRST ARTICLE SAMPLE (s) AND/OR PRODUCTION LOT SAMPLE (s).

BLOCK # 3- REPORTS SHALL BE PROVIDED FOR THE BELOW LISTED SUB-TITLES.
CERTIFICATION REPORTS FOR PRIME (OEM) PROCESSES AND MATERIAL SPECIFICATIONS SHALL INCLUDE,
CERTIFICATION THAT ALL VENDORS PREFORMING THESE PROCESSES ARE PRIME (88277) (OEM) APPROVED FOR THEIR SAID PROCESS

BLOCK # 5- CONTRACT REFERENCE: P/N:3543434
P/N: 3543434-7 body made from Perm Mold Casting Alum Al 356-T6 per ASTM B108 Inspection of casting per SAE/AMS-Std-2175
P/N: 3543434-5 retainer Alum Al per QQ-A-225/6
Test requirements on note # 13 apply
Hard Coat per note# 2& 3
These certifications are required at time of First Article/ Produiction Lot Testing or contract completion if testing is waived.

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
NAVICP-P	Nov.9,2001	NAVICP-P	Nov.9,2001