

ORDER/RECEIPT NUMBER 9		CONTRACT NUMBER N00104-68-M-009		ORDER FOR SUPPLIES OR SERVICES	
DEPARTMENT NAVY		DATE OF ORDER 10-23-67		REQUISITION NUMBER/PURCHASE AUTHORITY 42116	
ISSUED BY U.S. NAVY PARTS CONTROL CENTER, MECHANICSBURG, PA. - 17055		MAIL INVOICES TO <input checked="" type="checkbox"/> SEE CLAUSE 18.17 on Page 2 <input type="checkbox"/> CONSIGNEE		DISCOUNT TERMS	
SHIP TO See Clause 6.24		PAYMENT WILL BE MADE BY DCASR Phila (DCRP) P O Box 7478 Philadelphia, Pa 19101		DELIVERY F.O.B. <input type="checkbox"/> DESTINATION <input checked="" type="checkbox"/> OTHER (See Schedule)	
TO: (Contractor and Address) Derbyshire Machine & Tool Co Belfield Ave & Collom St Phila, Pa 19144		NTS9200 71905 A		DELIVER TO F.O.B. POINT ON OR BEFORE 22 March 1968	
PURCHASE <input type="checkbox"/> DELIVERY <input type="checkbox"/> CASH		TYPE OF ORDER 11.4 eih		D.O. VOUCHER NUMBER Paid By	

☒ PURCHASE
☐ DELIVERY
☐ CASH

Reference your quotation of of this order and on the attached sheets, if any, including delivery as indicated. This purchase is negotiated under authority of 10 USC 2304(a)(3) if within the U.S., its possessions or Puerto Rico; if otherwise, under 2304(a)(6). please furnish the following on the terms specified on both sides FOLD HERE

This delivery order is subject to instructions contained on this side only of this form and is issued on another government agency or in accordance with and subject to the terms and conditions of the above-numbered contract.

This cash purchase receipt is subject to instructions contained on this side only of this form.

UNITED STATES OF AMERICA

By G. WALTER Contracting/Ordering Officer

ACCOUNTING CLASSIFICATION (REVISED 7-65)							
APPROPRIATION SYMBOL AND SUBHEAD	OBJECT CLASS	BUREAU CONT & SUBALLOT NO.	AUTH ACCTG ACTY	TYPE	PROPERTY ACCTG ACTY	COST CODE	AMOUNT
17x4911.2310	-	14003/-	104	7R	-	51000	\$1799.00
For Ult. Chg. at Std. Price to: See Page 9							

MARK ALL PACKAGES AND PAPERS WITH CONTRACT AND/OR ORDER NUMBER						
ITEM NO.	QUANTITY (No. of Units)	UNIT	UNIT PRICE	SCHEDULE OF SUPPLIES OR SERVICES		AMOUNT
1	7	EA	257.00	STK NO 1B48202789877 ValveXAngle See detailed description on Pages 4 & 5 OVERSEAS SHIPMENT PACKING: INCLUDED This purchase is exempt from South Carolina Sales Tax pursuant to Section 65-1404(13) of the South Carolina Code.		\$1799.00
PREPARATION OF MATERIAL FOR DELIVERY, INSTRUCTION 14.E IS APPLICABLE.						
FOR NAVY ADMINISTRATIVE USE ONLY: NAVY PRIORITY: See Page 8						

DISTRIBUTION 6 Director DCASR Phila, Pa 19101 (2 conformed copies)

1 SPCC 77812 1 SUPPLIER 1 SPCC 77812(B0) 1 SPCC 854

4 PURCHASE FILE 1 SPCC 7221 Distribution continued on Page 9

CHECK NUMBER OR <input type="checkbox"/> CASH	DATED	FOR (Amount)	\$1799.00	TOTAL
I certify that this account is correct and proper for payment	PAYEE (Sign original only) (<input type="checkbox"/> paid in cash) (<input type="checkbox"/> as an invoice)			DIFFERENCE
	BY	TITLE	INITIALS	
	Signature and Title of Certifying Officer		AMOUNT VERIFIED CORRECT FOR	
SHIPMENT NUMBER <input type="checkbox"/> FINAL <input type="checkbox"/> PARTIAL	RECEIVED AT	S/R ACCOUNT NO.	S/R VOUCHER NO.	
Quantity in "Quantity Accepted" column has been <input type="checkbox"/> INSPECTED <input type="checkbox"/> ACCEPTED <input type="checkbox"/> RECEIVED by me and conforms to contract. Items listed on reverse side have been rejected for the reasons indicated.	DATE RECEIVED	TOTAL CONTAINERS	STORAGE LOCATION	
	LOCATION	GROSS WEIGHT	S/L NUMBER	
	RECEIVED BY	See Reverse Side of Sheet 3 for Rejections		

W00104-68-W-009

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6.50 TIME OF DELIVERY - Shipment earlier than the date specified in the "Deliver to F.O.B. Point By" block on Page 1 of this purchase order is authorized and requested whenever possible. Consignee requested delivery by

6.51 DELIVERY - (Applies only if the block "OTHERS" is marked with an "X" under the caption "DELIVERY F.O.B." on Page No. 1)

The supplies to be furnished hereunder shall be delivered free of expense to the Government on board carrier's equipment at or near supplier's plant at **Phila, Pa**

for shipment in accordance with the clause marked with an "X" below.

- ☒ (a) at Government expense (normally on Government bill of lading).
- ☐ (b) at Government expense (normally on Government bill of lading) with freight allowed to destination, within confines of continental United States. Freight charges from point of shipment to destination at applicable commercial freight rates will be entered on the invoice as a separate item and will be deducted therefrom when payment is made.
- ☐ (c) all transportation charges prepaid to the destination specified herein. The purchase prices do not include transportation charges. Such charges shall be invoiced in accordance with the paragraph marked with an "X" under Clause 18.17 below entitled "INVOICING INSTRUCTIONS".
- ☐ (d) Other (see schedule)

7.21 INSPECTION AND ACCEPTANCE - (Only the clause marked with an "X" will apply)

- ☐ (a) inspection and acceptance will be at destination in accordance with paragraph 1 of General Provisions of Purchase Order on reverse of Sheet No. 3.
- ☒ (b) inspection of the supplies shall be made at Supplier's plant:
- (1) by: **(39) Director DCASR**
P O Box 7478
Phila, Pa 19101
- (2) at: **Phila, Pa**

Acceptance shall be made by the: ☒ above Inspector/Administrative Contracting Officer ☐ Consignee

9.1 SPECIAL MARKING - The following special markings shall be placed only on shipping papers and shipping containers and will be in addition to other markings required:

XXX

XXX

XXXXXX

XXX

See Clause 9.3

18.17 INVOICING INSTRUCTIONS - (Only the clause(s) marked with an "X" below will apply)

- ☒ A separate invoice shall be prepared in quadruplicate for each activity designated to receive supplies or services.
- ☒ Submit contractor's invoices in quadruplicate with a copy of the applicable Materiel Inspection and Receiving Report (DD Form 250) to the Navy Regional Finance Center, Navy Finance Center or Defense Contract Administration Service Region specified on Page 1 stating thereon:
- (1) the date of shipment, name of the carrier, and bill of lading number; or
- (2) the name and title of the Government representative to whom delivery was made and the date of such delivery.
- ☐ Transportation costs will be entered on the applicable invoice as a separate item and will be allowed at the lowest applicable rate for appropriate adequate transportation between the points involved not in excess of the supplier's actual costs. When shipment is made by freight or express, the amount shown on supplier's bill for transportation costs must be supported by either the original or a copy of the freight or express receipt. The receipt should be in the form of a carrier's bill stated on a form marked "Prepaid" or stamped "Paid", or bearing the signature of the carrier's agent in the space for acknowledgment of payment. When shipment is made by parcel post, receipts are not required.

22.3 DO RATING: **DO-A3** certified for national defense use under DMS Regulation 1.

SCHEDULE - CONTINUED (For use with DD Form 1155 priced)

4ND-SPCC-4275/9 (REV 2-67)

5.2 CHANGES IN DESIGN, MATERIAL, SERVICING OR PART NUMBER

Except for Code 1 changes, which shall be processed as provided in the code statement shown below, no substitution of items shall be made until the Contracting Officer, SPCC, has been notified and approval has been given by issuance of a written change order. When any change in design, material, servicing or part number is made to replace or substitute any item to be furnished hereunder, the Contractor shall furnish, for the item to be substituted, a detail drawing and an explanation of the reason for the change or a detailed description of the change, explaining the reason therefor. If finished detail drawings are not available, shop drawings in the form used by the manufacturer will be acceptable. When notifying the Contracting Officer of the reasons for making substitutions, the type of change shall be indicated in accordance with one of the following statements:

CODE

1. PART NUMBER CHANGE/MINOR DESIGN CHANGE - If the Manufacturer's Part Number or Item Design indicated thereon has changed, but form fit and function of the item are not affected thereby, supply the item and advise SPCC immediately of the new part number, furnishing a detail drawing and/or a detailed description of the change, as applicable.

4. Assembly (or set or kit) not furnished - use following detail parts.

5. Part not furnished separately - use assembly.

22. Part redesigned - new part replaced old. Old part cannot replace new.

23. Part redesigned - parts not interchangeable.

7.1 REQUEST FOR INSPECTION *(Applies only if this purchase order provides for inspection at supplier's plant).*

The supplier shall inform the Defense Contract Administration Services Office concerned as to when material will be ready for inspection. The supplier's "Request for Inspection" should be received by the inspection office as early as possible, preferably at least 48 hours before material is presented for inspection.

7.10 MANUAL FOR SOURCE INSPECTION AND ADMINISTRATION OF NAVY PROCUREMENT *(Applies only if this purchase order provides for inspection at supplier's plant).*

The supplier shall comply with the provisions of the "Manual for Source Inspection and Administration of Navy Procurement" (Appendix A, Navy Procurement Directives) as in effect on the date of the contract, which Manual is hereby incorporated by reference and made a part of this order.

Inspection of supplies manufactured to commercial (Non-Government) specifications, unless extensively modified in accordance with Government contract requirements, and supplies ordered to supplier's catalog or part numbers if no additional Government Contract requirements are applicable, shall be limited to examination of completed supplies to ascertain conformance to contract requirements as to (i) type and kind, (ii) quantity, (iii) condition, (iv) operability, if readily determinable, and (v) packaging and marking, if applicable.

14.0 PREPARATION OF MATERIAL FOR DELIVERY

Material shall be prepared for delivery in accordance with U.S. NAVY SHIPS PARTS CONTROL CENTER publication, entitled "PREPARATION FOR DELIVERY" (4ND-SPCC-4030/13) dated Jan 1966. Instruction sheet of such publication which is applicable to this document will be specified in the schedule.

REDUCTION IN PACKAGING LEVELS (For Navy Use Only)

Delegation of authority to effect reductions in the levels of packaging delineated herein is withheld from the Field Contract Administrator pursuant to NPD90-111.2(b) (1). Changes recommended by the Field Contract Administrator shall be forwarded to the Contracting Officer for review and subsequent approval or denial.

22.2 CONTROLLED MATERIALS (SMALL ORDERS)

The supplier shall follow the provisions of DMS Reg. 1 and all other applicable regulations and orders of the Business and Defense Services Administration in obtaining controlled materials and other products and materials needed to fill this order.

GENERAL PROVISIONS OF PURCHASE ORDER

This Purchase Order is subject to the terms and conditions on reverse hereof.

THE FOLLOWING ADDITIONAL CLAUSES APPLY IF CLAUSE 5.1 entitled "MONETARY LIMITATION" APPEARS ON PAGE 2 OF THIS PURCHASE ORDER:

18.1 TRANSPORTATION COSTS

If supplier's normal selling price for material to be furnished hereunder includes an allowance for absorbing freight cost to the first domestic destination and such material is shipped under a Government bill of lading or under the Government franking privilege, supplier agrees that freight charges from point of shipment to destination at applicable commercial freight rates will be entered on the invoice as a separate item and will be deducted therefrom in computing the total invoice amount.

18.5 INVOICING INSTRUCTIONS *(Applies only if Clause 7.14 of this purchase order provides for inspection and acceptance at supplier's plant)*

Submit supplier's invoices in quadruplicate with a copy of the applicable Material Inspection and Receiving Report (DD Form 250) as specified in Clause 18.14 entitled: "Submission of Invoices" stating thereon:

(1) the date of shipment, name of the carrier, and bill of lading number; or

(2) the name and title of the Government representative to whom delivery was made and the date of such delivery.

18.15 INVOICING TRANSPORTATION COSTS *(Applies only if block "DESTINATION" is marked with an "X" under the caption "DELIVERY F.O.B." on Sheet No. 1)*

The purchase price shall include the cost of shipment from the point of origin to the destination set forth herein. However, if the supplier is unable to include transportation costs in the purchase price of the supplies, these costs shall be prepaid and entered on the applicable invoice as a separate item and will be allowed at the lowest applicable rate for appropriate adequate transportation between the points involved, not in excess of the supplier's actual costs. When shipment is made by freight or express, the amount shown on supplier's bill for transportation costs must be supported by either the original or a copy of the freight or express receipt. The receipt should be in the form of a carrier's bill stated on a form marked "Prepaid" or a stamped "Paid", or bearing the signature of the carrier's agent in the space for acknowledgment of payment. When shipment is made by parcel post, receipts are not required.

GENERAL PROVISIONS OF PURCHASE ORDER

1. **INSPECTION AND ACCEPTANCE** - Inspection and acceptance will be at destination unless otherwise provided. Until delivery and acceptance, and after any rejections, risk of loss will be on the Contractor unless loss results from negligence of the Government.

2. **VARIATION IN QUANTITY** - No variation in the quantity of any item called for by this contract will be accepted unless such variation has been caused by conditions of loading, shipping, or packing, or allowances in manufacturing processes, and then only to the extent, if any, specified elsewhere in this contract.

3. **PAYMENTS** - Invoices shall be submitted in quadruplicate (*one copy shall be marked "Original"*) unless otherwise specified, and shall contain the following information: Contract or order number, item number; contract description of supplies or services, sizes, quantities, unit prices and extended totals. Bill of lading number and weight of shipment will be shown for shipments on Government Bills of Lading. Unless otherwise specified, payment will be made on partial deliveries accepted by the Government when the amount due on such deliveries so warrants.

4. **DISCOUNTS** - Discount time will be computed from date of delivery at place of acceptance or from receipt of correct invoice at the office specified by the Government, whichever is later. Payment is made for discount purposes, when check is mailed.

5. **DISPUTES** - (a) Except as otherwise provided in this contract, any dispute concerning a question of fact arising under this contract which is not disposed of by agreement shall be decided by the Contracting Officer, who shall mail or otherwise furnish a copy thereof to the Contractor. This decision shall be final and conclusive unless, within 30 days from the date of receipt of such copy, the Contractor mails or otherwise furnishes to the Contracting Officer a written appeal addressed to the Secretary. The decision of the Secretary or his duly authorized representative for the determination of such appeals shall be final and conclusive unless determined by a court of competent jurisdiction to have been fraudulent, or capricious, or arbitrary, or so grossly erroneous as necessarily to imply bad faith, or not supported by substantial evidence. The Contractor shall be afforded an opportunity to be heard and to offer evidence in support of his appeal. Pending final decision of a dispute hereunder, the Contractor shall proceed diligently with the performance of the contract and in accordance with the Contracting Officer's decision. (b) This "Disputes" clause does not preclude consideration of law questions in connection with decisions provided in (a) above; *provided*, that nothing in this contract shall be construed as making final the decision of any administrative official, representative, or board on a question of law.

6. **FOREIGN SUPPLIES** - This contract is subject to the Buy American Act (41 U.S.C. 10a-d) as implemented by Executive Order 10582 of December 17, 1954, and any restrictions in appropriation acts on the procurement of foreign supplies.

7. **CONVICT LABOR** - The Contractor agrees not to employ for work under this contract any person undergoing sentence of imprisonment at hard labor.

8. **NONREBATE OF WAGES*** - The Regulations issued by the Secretary of Labor (29 C.F.R., Part 3) pursuant to the Anti-kickback Act, as amended (40 U.S.C. 276c, 18 U.S.C. 874) are applicable to this contract. (*In substance they provide that contractors and subcontractors shall (i) make no deductions from wages except those required by law or permitted by the Regulations; (ii) preserve, for 3 years after completion of the work, payrolls which contain the following data for each employee: name, address, correct classification, rate of pay, daily and weekly number of hours worked,*

deductions made, and actual wages paid; and (iii) submit weekly a statement of compliance, in the form set out in the Regulation.)

9. **SUBCONTRACTORS-TERMINATION*** - The Contractor agrees to insert the clause hereof entitled "Nonrebate of Wages" in all subcontracts under this contract. The term "Contractor" as used in such clause in any subcontract shall be deemed to refer to the subcontractor. Breach of the requirements of this clause may be grounds for termination of this contract.

10. **OFFICIALS NOT TO BENEFIT** - No member of or Delegate to Congress or resident commissioner, shall be admitted to any share or part of this contract, or to any benefit that may arise therefrom; but this provision shall not be construed to extend to this contract if made with a corporation for its general benefit.

11. **COVENANT AGAINST CONTINGENT FEES** - The Contractor warrants that no person or selling agency has been employed or retained to solicit or secure this contract upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee, excepting bona fide employees or bona fide established commercial or selling agencies maintained by the Contractor for the purpose of securing business. For breach or violation of this warranty the Government shall have the right to annul this contract without liability or in its discretion to deduct from the contract price or consideration, or otherwise recover, the full amount of such commission, percentage, brokerage, or contingent fee.

12. **GRATUITIES** - (a) The Government may, by written notice to the Contractor, terminate the right of the contractor to proceed under this contract if it is found, after notice and hearing, by the Secretary or his duly authorized representative, that gratuities (*in the form of entertainment, gifts or otherwise*) were offered or given by the Contractor, or any agent or representative of the Contractor, to any officer or employee of the Government with a view toward securing a contract or securing favorable treatment with respect to the awarding or amending, or the making of any determinations with respect to the performing of such contract; *provided*, that the existence of the facts upon which the Secretary or his duly authorized representative makes such findings shall be in issue and may be reviewed in any competent court. (b) In the event this contract is terminated as provided in paragraph (a) hereof, the Government shall be entitled (i) to pursue the same remedies against the Contractor as it could pursue in the event of a breach of the contract by the Contractor, and (ii) as a penalty in addition to any other damages to which it may be entitled by law, to exemplary damages in an amount (*as determined by the Secretary or his duly authorized representative*) which shall be not less than three nor more than ten times the costs incurred by the Contractor in providing any such gratuities to any such officer or employee. (c) The rights and remedies of the Government provided in this clause shall not be exclusive and are in addition to any other rights and remedies provided by law or under this contract.

13. **RENEGOTIATION** - This contract, and any subcontract hereunder, is subject to the Renegotiation Act of 1951, as amended, (50 U.S.C. App. 1211 *et seq.*) and shall be deemed to contain all the provisions required by Section 104 thereof, and is subject to any subsequent act of Congress providing for the renegotiation of contracts.

14. **CONDITION FOR ASSIGNMENT** - This Purchase Order may not be assigned pursuant to the Assignment of Claims Act of 1940, as amended (31 U.S.C. 203; 41 U.S.C. 15), unless or until the supplier has accepted this order by execution of DD Form 1155s (*available on request*).

*Applicable only to construction contracts for \$2,000 or less for work within the United States.

REPORT OF REJECTIONS

ITEM NO.	SUPPLIES OR SERVICES	UNIT	QUANTITY REJECTED	REASON FOR REJECTION

TALLY NO. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45																																													
PG 6 OF 9 ORDER/REC'PT NO. (Or IFR/RF/RFQ)										CONTRACT NO. (Or Req'n No.)										SCHEDULE CONTINUATION SHEET																									
ISSUED BY										NAME OF CONTRACTOR (Or bidder)																																			
SHIPS PARTS CONTROL CENTER										DERBYSHIRE MACHINE & TOOL CO																																			
MARK ALL PACKAGES AND PAPERS WITH CONTRACT AND/OR ORDER NUMBER																																													
ITEM NO.	QUANTITY (No. of units)	UNIT	UNIT PRICE	SCHEDULE OF SUPPLIES OR SERVICES																												AMOUNT	QUANTITY ACCEPTED												
<p>6.24 SHIPPING INSTRUCTIONS</p> <p>Supplies shall be shipped in the order listed on the attached sheet. The quantity of supplies to be shipped to each consignee is shown for each item in the "Quantity" column.</p> <p>VESSELS AND OVERSEAS SHIPMENTS</p> <p>Other than mail consignments WILL NOT be made % Fleet Post Office. If material exceeds parcel post limitations, ship supplies in accordance with the following:</p> <p>Priority 1 thru 8 - The Navy Transportation Coordinating Office shall be contacted by telephone for routing and consignment instructions. Calls should not be made until material is ready to move!</p> <p>Suppliers located in Minnesota, Iowa, Missouri, Arkansas, Louisiana and states east thereof</p> <p>NTCO, Norfolk, Va. Area Code 703 444-7381</p> <p>Suppliers located in states west of the above named</p> <p>NTCO, Alameda, Calif. Area Code 415. 523-5752</p> <p>Shipments will be prepaid to points specified by the Navy Transportation Coordinating Office.</p> <p>Priority 9 thru 20 - The Transportation Office at 19101 Director DCASR Phila., Pa. shall be contacted for designation of water port, method of shipment, MILSTAMP support and TCMD documentation. Shipments will be prepaid to points specified by the DCAS Transportation Office!</p> <p>DOMESTIC SHIPMENTS</p> <p>If material exceeds parcel post limitations, ship supplies in accordance with the following:</p> <p>Priority 1 thru 8 - Less than 1,000 lbs. via commercial air freight (unless trucks can deliver overweight) 1,000 lbs. and over, contact the appropriate NTCO (as indicated for Vessels and Overseas)</p> <p>Priority 9 thru 20 - Via the most economical surface carrier.</p>																																													

PG 7 OF 9		ORDER/RECEIPT NO. (Or IFR/RFP/RFQ)										CONTRACT NO. (Or Req'n No.) W00104-68-M-009										SCHEDULE CONTINUATION SHEET																	
ISSUED BY SHIPS PARTS CONTROL CENTER										NAME OF CONTRACTOR (Or bidder) DERBYSHIRE MACHINE & TOOL CO																													
MARK ALL PACKAGES AND PAPERS WITH CONTRACT AND/OR ORDER NUMBER																																							
ITEM NO.	QUANTITY (No. of units)	UNIT	UNIT PRICE	SCHEDULE OF SUPPLIES OR SERVICES																AMOUNT	QUANTITY ACCEPTED																		
<p>9.3 PACKING AND MARKING REQUIREMENTS</p> <p>The material consigned to the indicated receiving activity for each requisition number shall be shipped separately. Material for different requisitions will not be consolidated for shipment unless the complete address of the consignee is identical.</p> <p>In addition to other markings required by the contract, each shipping container or each shipping container and unit package, when material is consolidated, shall be identified with the applicable requisition number and priority number shown for each consignee on the attached sheet.</p> <p>Unit identification and shipping container markings shall be in accordance with the provisions of MIL-STD-129!</p>																																							

RR 42116

NO0104-68-M-009

ITEM	FSN	PRIORITY	REQ NUM	SHIP TO	QUAN
001	48202789877	05	N5222970182982	COMMANDING OFFICER USS WILLIS A LEE DL 4 FPO NEW YORK 09501	1
✓ 001	48202789877	06	N0871063040200	COMMANDING OFFICER USNS GEN <u>JOHN POPE</u> T AP 110 ✓ FPO SAN FRANCISCO 96601	2
001	48202789877	06	N0871763122002	COMMANDING OFFICER USNS GEN W H GORDON T AP 117 FPO SAN FRANCISCO 96601	2
001	48202789877	12	N5217663251719	COMMANDING OFFICER USS ROGERS DD 876 FPO SAN FRANCISCO 96601	1
001	48202789877	18	N5215862760953	COMMANDING OFFICER USS FRED T BERRY DD 858 FPO NEW YORK 09501	1

Total Qty - 7 each Price ea, \$257.00

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ITEM 001 FSC 4820 FIIN 2789877

REQ NUM	LONG-FORM ACCOUNTING DATA						QUAN
N0871063040200	17X4912.3302		77777	62383	2F	0000008710	2
N0871763122002	17X4912.3302		77777	62383	2F	0000008717	2
N5215862760953	1771804.2410	026	20002	60951	2D	0000016000	1
N5217663251719	1771804.2410	026	24001	60957	2D	0000016000	1
N5222970182982	1771804.2410	026	20002	60951	2D	0000016000	1
END USER TOTAL							7

Note for Navy Use: T/C 17x4980.2389 22 68001/- 23 2D - 82798003

Distribution continued

- 1 CO USS WILLIS A LEE DL 4 FPO New York
- 1 CO USNS GEN JOHN POPE T AP 110
FPO San Francisco 96601
- 1 CO USNS GEN W H GORDON T AP 117
FPO San Francisco 96601
- 1 CO USS ROGERS DD 876 FPO San Fran
- 1 CO USS FRED T BERRY DD 858 FPO New York
- 1 DO MSTs Pacific Fort Mason
San Francisco, 7, Calif

SPECIFICATION NO.

11: PROCUREMENT SPECIFICATION

REV 5

PAGE NO.

Finishes are to be in accordance with MIL-STD. 10A. Tolerances except as noted are to be in accordance with MIL-STD-88 Table 2. Abbreviations are as shown in MIL-STD-128

STOCK NO.

NOMENCLATURE

APPLICATION

IHL820-278-9877

VALVE - ANGLE

VALVE-ANGLE STOP

BODY MATERIAL - BRONZE
SIZE - 3 INCH IPS

COMPLETE VALVE TO BE IN STRICT ACCORDANCE WITH BUREAU OF SHIPS MECHANICAL STANDARD DRAWING 5000-S4824-C-1385541, REV. D, DATED 14 APRIL 1966, (4 SHEETS) THIS DRAWING CONTAINS COMPLETE DATA TO MANUFACTURE THIS ITEM. DRAWING 5-S-1160 LISTED THEREON IS NOT REQUIRED.

WHEN CASTINGS PRODUCED BY THE CONTINUOUS PROCESS ARE USED, THE COMPLETE PROCESS OF CASTINGS SHALL BE PERFORMED UNDER QUALITY CONTROL PROCEDURES IN ACCORDANCE WITH MILITARY SPECIFICATION, MIL-Q-9858A, QUALITY CONTROL REQUIREMENTS DATED 16 DECEMBER 1963, APPROVED BY THE COGNIZANT INSPECTOR OF NAVAL MATERIAL.

ALLOWABLE SEAT LEAKAGE AS SPECIFIED IN THE CLAUSE ENTITLED "PERMISSIBLE SEAT LEAKAGE" APPEARING ELSEWHERE IN THE SCHEDULE.

AIR TESTS FOR SEAT TIGHTNESS REQUIRED BY NOTE 12 ON BUREAU OF SHIPS MECHANICAL STANDARD DRAWING 5000-S4824-C-1385541, REV. D, NOT REQUIRED.

IDENTIFICATION PLATE IN ACCORDANCE WITH MIL-P-15024B, TYPE "C" ON BRASS OR "H" ON ALUMINUM SHALL BE SECURELY ATTACHED TO EACH VALVE SHOWING:

CID882000263

Materials are to be in accordance with MIL-STD. 10A. Tolerances except as noted are to be in accordance with MIL-STD-38 Table 2. Abbreviations are as shown in MIL-STD-128

STOCK NO.	NOMENCLATURE	APPLICATION
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TITLE: PERMISSIBLE SEAT LEAKAGE:

- (A) SEAT TIGHTNESS TESTS SHALL BE HYDROSTATIC USING CLEAN, COMMERCIALY AVAILABLE WATER AND IT SHALL CONTAIN NO ADDITIVES. IT MAY BE REUSED IF DESIRED, UNTIL SUCH TIME AS IT VISIBLY CONTAINS SEDIMENT OR TAKES ON A CLOUDED APPEARANCE; AT WHICH TIME IT MUST BE REPLACED. THE DETERMINATION OF ADDITIVES IN THE WATER, REGARDLESS OF WHAT THEY MIGHT BE, OR THEIR AMOUNT, SHALL BE CAUSE FOR REJECTION OF THE ENTIRE LOT OF VALVES UNDER CONSIDERATION AT THAT TIME.
- (B) TEST FIXTURES SHALL BE ADJUSTED TO PERMIT VALVE BODY EXPANSION AND ELONGATION DUE TO INTERNAL PRESSURE TO THE FULLEST EXTENT POSSIBLE. THE THRUST ON THE ENDS SHOULD BE THE MINIMUM REQUIRED TO FACILITATE TESTING AND PREVENT LEAKAGE TO THE ATMOSPHERE. IN THIS REGARD, VALVES SHALL BE PLACED IN THE TEST FIXTURE WHILE IN THE OPEN POSITION AND CLOSED FOR SEAT TIGHTNESS TESTS ONLY AFTER ALL ADJUSTMENTS HAVE BEEN MADE TO THE FIXTURE AND BEFORE PRESSURIZING.
- (C) VALVES SHALL BE SEATED USING THE TOTAL TANGENTIAL FORCE (LBS.) ON THE RIM OF THE HANDWHEEL. VALUES LISTED IN THE FOLLOWING TABLE AS THE MAXIMUM ALLOWABLE SEATING FORCE APPLIED TO THE HANDWHEEL:
- | HANDWHEEL DIAMETER | FORCE (LBS.) | HANDWHEEL DIAMETER | FORCE (LBS.) |
|--------------------|--------------|--------------------|--------------|
| 2" AND BELOW | 90 | 12" | 135 |
| 3" | 98 | 14" | 138 |
| 4" | 106 | 16" | 141 |
| 5" | 112 | 18" | 144 |
| 6" | 118 | 21" | 147 |
| 7" | 121 | 24" | 150 |
| 8" | 124 | 27" | 150 |
| 9" | 127 | 30" | 150 |
| 10" | 130 | 36" | 150 |
| 11" | 133 | | |
- (D) TESTS SHALL BE SO CONDUCTED THAT ALL SEAT LEAKAGE CAN BE MEASURED.
- (E) PRESSURE SHALL BE APPLIED IN THE DIRECTION TENDING TO OPEN THE VALVE. (FOR GATE VALVES THE PRESSURE SHALL BE APPLIED ALTERNATING ON BOTH SIDES OF THE DISC WITH THE OPPOSITE END OPEN FOR INSPECTION). IF NO LEAKAGE OCCURS AFTER THREE MINUTES OF PRESSURIZATION, THE TEST MAY BE DISCONTINUED. IF THERE IS ANY VISIBLE LEAKAGE, THE TEST SHALL BE CONTINUED FOR A SUFFICIENT LENGTH OF TIME TO ACCURATELY DETERMINE THE RATE OF LEAKAGE.
- (F) METAL TO METAL VALVES - TEN (10) CC/HR PER INCH OF NOMINAL PIPE SIZE. FOR VALVES LESS THAN ONE INCH IN SIZE, A MAXIMUM LEAKAGE RATE OF 10 CC/HR WILL BE PERMITTED.
- (G) SOFT SEATED VALVES - NO SEAT LEAKAGE PERMITTED. VISIBLE SIGNS OF LEAKAGE WILL BE CAUSE FOR REJECTION.