

Surv. Activities

CL. M

Surv. Activities

OSAF - 11

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FED. SUP. CLASS  
4820

**ASSEMBLY**

VALVE ASSEMBLY					
DASH NO.	HOSE LENGTH IN.	FULL CABLE		SUPERSEDE PART NO.	
		TYPE	LENGTH PRIOR TO ASSEMBLY		
-4	26	OPEN	16.25		
-31					MS21965-1
-32	20		6.00	MS21966-1	
-33		CLOSED	22.31	MS21966-2	
VALVE COMPONENTS					
-4		SPRING, SIDE CHECK		CLAPSON	
-7		RETAINER ASSEMBLY, SIDE CHECK		51A2-460	
-8		BUSHING ASSEMBLY, SIDE CHECK		53A3730	
-9		CAP AND SEAL ASSEMBLY, SIDE CHECK		53A3516	
-10		SCREW, REAR, SIDE CHECK		53A3514	
-11	26	HOSE & FITTING ASSEMBLY		53A3731-1	
-12	20			MS21966-1	
-13		HOSE, FULL CABLE ASSEMBLY, SIDE CHECK	8.00	51A2-460-1	
-14			16.25	51A2-460-2	
-15		BUSHING, FULL CABLE ASSEMBLY, ADJUSTED TYPE		57A3805	
-16		BUSHING, RIPLE		53A35070	
-17		TAO ASSEMBLY		53A2564	
-19		HOSE			
-20		FITTING ASSEMBLY		7175-14	
-21	20	VALVE AND HOSE ASSEMBLY			

**FINISH:** IN ACCORDANCE WITH AMERICAN NATIONAL STANDARDS INSTITUTE B46-2-78 FINISH NOT SPECIFIED SHALL HAVE A MAXIMUM ROUGHNESS OF 125 MICRONS.

**TOLERANCES:** 16 INCHES. TOLERANCES AS SPECIFIED.

**CAUTION:** ALL PARTS OF OXYGEN SYSTEM SHALL BE FREE OF OIL, GREASE OR OTHER COMBUSTIBLE MATERIAL.

**FOR DESIGN PURPOSES,** THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REPAIRED HEREIN.

**REPAIRED DOCUMENTS** SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVENTIONS FOR BID.

**MATERIAL:** MATERIALS NOT SPECIFIED SHALL BE IN ACCORDANCE WITH MIL-V-7360.

**EXCLUDED MATERIALS** SHALL BE UTILIZED TO THE MAXIMUM EXTENT POSSIBLE WITHIN THE QUALITY LIMITS REQUIRED BY THIS DOCUMENT.

**REMARKS:** (H) DENOTE CHANGES

P. A. USAF - 71	INTERNATIONAL INTEREST	TITLE	<b>MILITARY STANDARD</b> <b>MS21964</b>
DA. Army - AV	ASCE - AIR - STD-14/81	VALVE ASSEMBLY EMERGENCY OXYGEN CYLINDER	
NAVY - AS			
AF - 99			
PROCUREMENT SPECIFICATION PIL-V-7560	SUPERSEDES	USAF DWS 51C3804, 57C3804	SHEET 1 OF 11

DD FORM 672-1

(COORDINATION)

THIS FORM IS OBSOLETE AND SHOULD NOT BE USED

4820-0489

DATE

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NOTES TO PRINTED: PERFORM BORDER TO 4-37-22 3-3-4 PRINT 1-1-7  
BORDER LINE ONE INCH FROM LEFT EDGE OF 3-3-4 SHEET (P/N)  
BORDER LINE 3/8 INCH FROM BOTTOM EDGE OF 3-3-4 SHEET (P/N)  
SIGNATURE FOUR NOT TO 4-37-22 3-3-4 SHEET

APPROVED 16 NOV 86 REVISED 18 AUG 86

P&P. SUP. CLASS  
4820.

(M)

(NOTES"CONT.:

"This standard is the subject of International Standardization Agreement ASCC AIR STD 14/97. When revision or cancellation of this standard is proposed, the departmental custodian will inform their respective departmental standardization office so that appropriate action may be taken respecting the international agreement concerned."

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APPROVED IS NOV 88 REVISED FOR CHANGES SEE SHEET 2

P. A.	USAF - 71	INTERNATIONAL INTEREST	TITLE	MILITARY STANDARD
Other Code	ARMY - 81 NAVY - 85 AF - 90	ASCC - AIR - STD-14/97	VALVE ASSEMBLY EMERGENCY OXYGEN CYLINDER	MS21964
PROCUREMENT SPECIFICATION	MS-7-7560	SUPERSEDES	USAF DMS SIC3804, 57C3804	SHEET 2 OF 11

DD FORM 672-1

(COORDINATION)

Replaces Editions of This Form As Published

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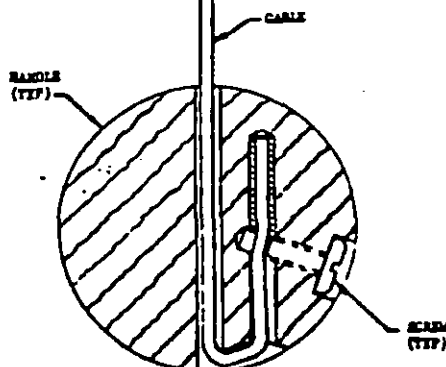
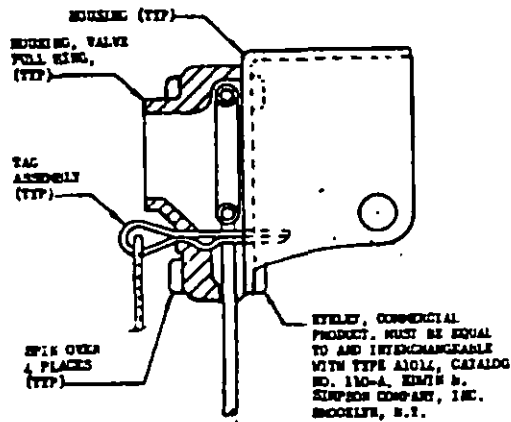
NOTES TO PRINTER: REDUCE BORDER TO 4 - 27-22 X 9 - 3 4. PRINT 1111  
BORDER LINE ONE INCH FROM LEFT MARGIN 4 X 10 - 1 2 SHEET 11111  
BORDER LINE ONE INCH FROM BOTTOM MARGIN 4 X 10 - 1 2 SHEET 11111  
SIGNATURE FORM NOT TO BE INCLUDED ON 4 X 10 - 1 2 SHEET

NOTES TO PRINTERS: PERFACE BORDER TO 6 - 37-12 20-3-4 POINTS  
BORDER LINE ONLY WITH FORM LEFT SIDE 19-8 10-1 / 24 PT  
BOTTOM BORDER LINE 3'S ONLY FROM BOTTOM OF PAGE 19-8 10-1 / 24 PT



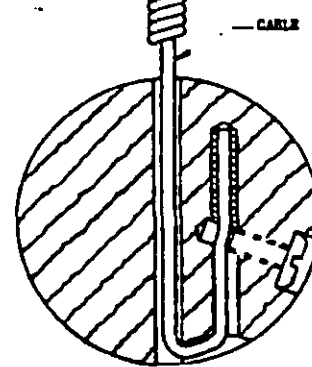
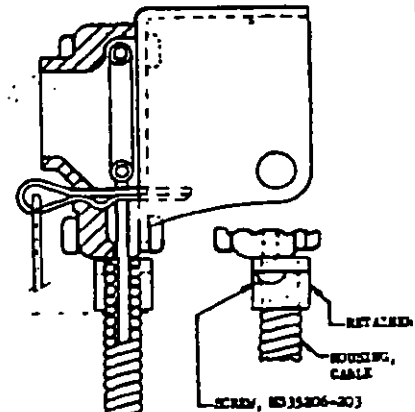




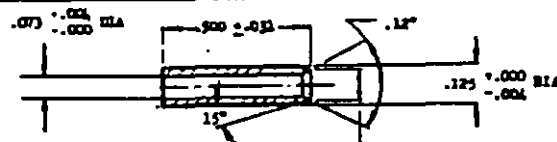
FED. MFP CLASS  
6870

-13 6 INCHES

-14 16.87 INCHES

HOUSING, FULL CABLE, ASSEMBLY  
OPEN TYPE

-15

HOUSING, FULL CABLE, ASSEMBLY  
CLOSED TYPE

MATERIALS: STAINLESS STEEL, 316L.  
IN ACCORDANCE WITH MIL-7-6504.  
REMOVE ALL BUMPS AND BREAK SHARP EDGES .020 MAX. RAD.  
TOLERANCE FOR ANGLES  $\pm 1^\circ$   
INTERNAL, CABLE END

P.A. USAF - 71  
Chm. Cont  
Navy - 45  
Army - 41  
AF - 99

INTERNATIONAL  
INTEREST  
ASCC - A11 -  
STD-14/97

TITLE

VALVE ASSEMBLY,  
EMERGENCY DANGER CYLINDER

MILITARY STANDARD

MS21964

PROCUREMENT SPECIFICATION  
MIL - E 7540

SUPERSEDES

USAF DMS 594372, 5183689, 5783805

SHEET 7 OF 11

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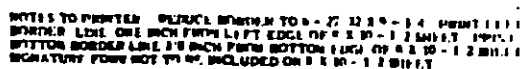
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APPROVED IS MOVES

DATE

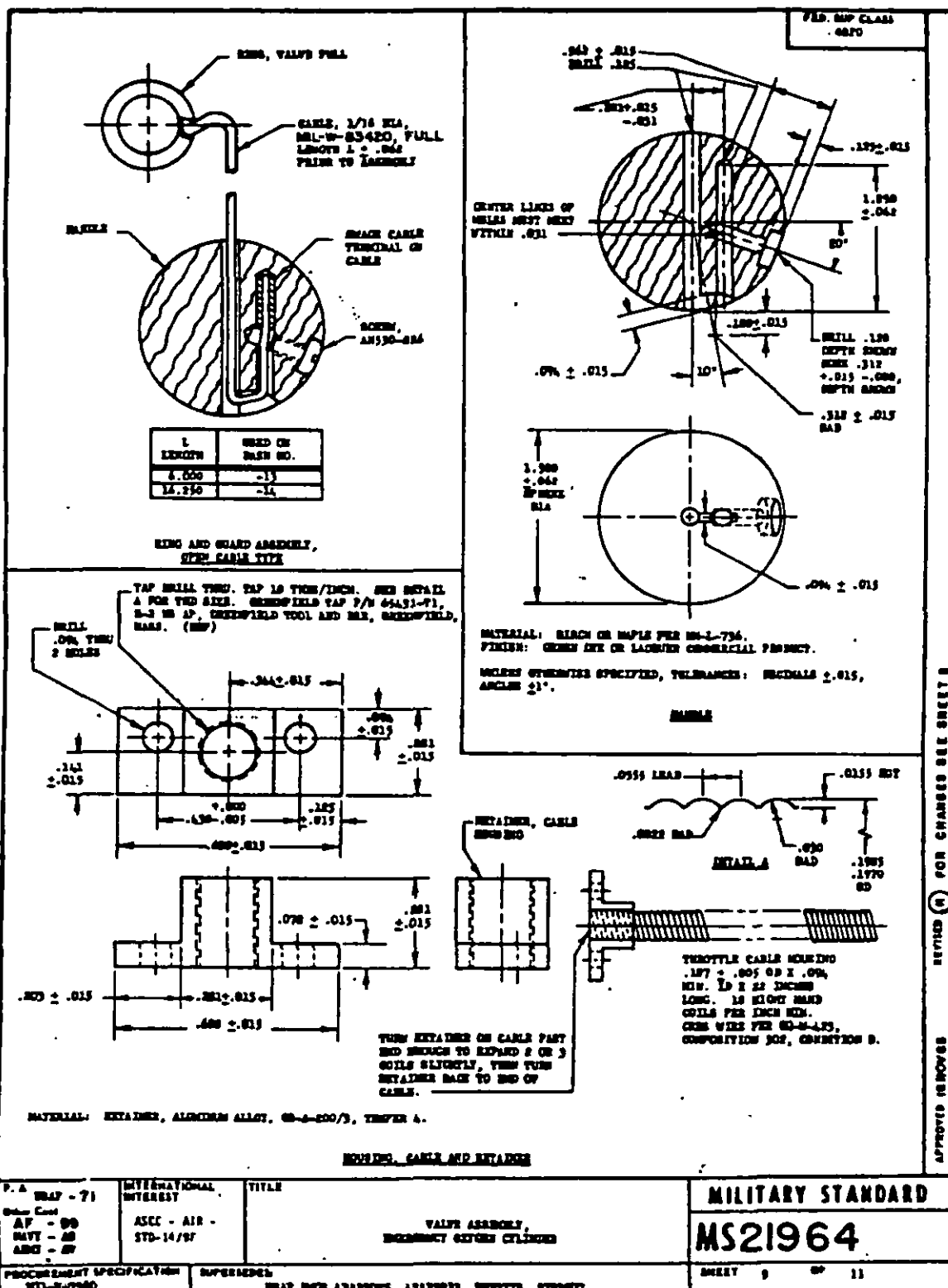
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NOTES TO PRINTER: REDUCE BORDER TO 6-7/16" - 3/4" PRINTING  
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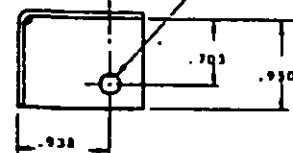
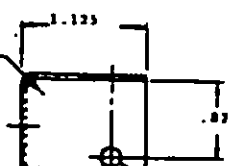
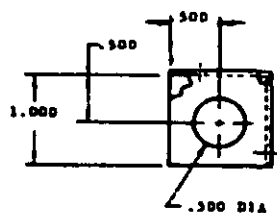
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and values (e.g.,  $\alpha$ ) of the fitted model.

DATE \_\_\_\_\_

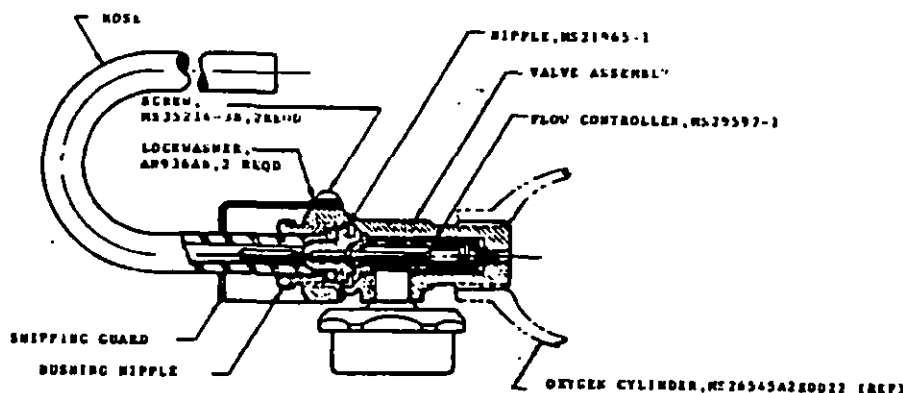
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TYPED BY GEORGE A. BROWN (SO) 14 / 10  
CHECKED BY \_\_\_\_\_

NOTES TO PRINT: A. PLINK'S NUMBER TO 6 - 7: 11 4 9 - 1: 4 PRINT LIST  
B. WHEN A LINE AND PINK FROM LEFT HALF TO 4 2 10 - 1 2 BUILT PRINT  
C. WHEN A LINE AND PINK FROM BOTTOM PAGE OF 4 2 10 - 1 2 BUILT

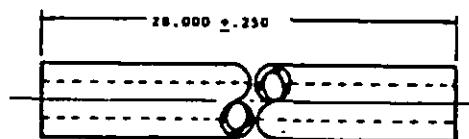
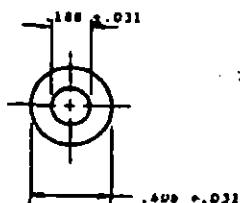
FED. SUP. CLASS  
4820

MATERIAL: STEEL QQ-B-695 CR 1/2 HARD, NO. 2 TEMPER, .030 THICKNESS.  
FINISH: ZINC PLATE, ASTM B633, TYPE I, CLASS I.  
FINISH (OPTIONAL) MIL-C-83488, TYPE I OR II.  
BREAK SHARP EDGES .010 MAX.  
TOLERANCES UNLESS OTHERWISE SPECIFIED:  
DECIMALS  $\pm .015$   
ANGLES  $\pm 1^\circ$

## SHIPPING GUARD



## VALVE AND HOSE ASSEMBLY



HOSE MATERIAL: RUBBER, SILICONE PER ZZ-B-763, CLASS III, GRADE 50

-19

HOSE

P. A. (USAF - 71)	INTERNATIONAL INTEREST	TITLE	MILITARY STANDARD
Other Code	ASCC - AIR -	VALVE ASSEMBLY	MS21964
Army - AF	STD-14/97	EMERGENCY OXYGEN CYLINDER	
AF - 98			
PROCUREMENT SPECIFICATION MIL-V-7500	SUPPLEMENT	4446795, 43875030, 1783008.	SHEET 10 OF 11

DD FORM 672-1

(CONTINUATION)

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APPROVED 16 NOV 68 REVISED (N) FOR CHANGES SEE SHEET 2

NOTE: Offsets standard is contained for use by all manufacturers and suppliers of the equipment of the Army. Substitutions for all new equipment and accessories and their specifications and their materials shall be made from this document, when applicable.

NOTES TO PRINTER: REFERENCE NUMBER TO: 27 12 19-1-10. PRINTED IN THE UNITED STATES OF AMERICA. THIS FORM IS OBSOLETE, OF THIS FORM MAY BE USED, IF SIGNATURE PRINT MAY BE TO NO. ONLY, USE IN THE 10-1-10.

DATE  
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P2D, BWP CLASS - 4070

**MATERIAL AND FINISH:** NIPPLE: STEEL, QQ-M-470, FINISH MIL-C-83488, TYPE I OR II.

RING: BRASS, QQ-B-626, ALLOY 260, SUT

SPRING: BRASS, QQ-B-626 NO. 360, 1/2 HARD.

COLLAR: BRASS, QQ-B-626 NO. 360, 1/2 HARD.

ASSEMBLY MUST BE CLEAN, FREE FROM OIL AND OTHER FOREIGN MATERIAL.

FINISH 125 ALL OVER IN ACCORDANCE WITH AMS 846-1-78 UNLESS OTHERWISE SPECIFIED.

APPROVED 16 NOV 68  
REVISED 2 FOR CHANGES SEE SHEET 2

P. A. USAF-71	INTERNATIONAL INTEREST ASCC-AIR- STD-14/87	TITLE  VALVE ASSEMBLY EMERGENCY OXYGEN CYLINDER	MILITARY STANDARD <b>MS21964</b>
Other Code ADTY - AV RAYY - AS AF - 99	PROCUREMENT SPECIFICATION MIL-V-7940	SUPPLEMENT USAF ONE 7125416	SHEET 11 OF 11

DD FORM 672-1

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NOTES TO PRINTER: REDUCE SIZES TO 4-7/16 X 9-1/4. PRINT 11 X 11  
BORDER LINE ONE INCH FROM LEFT EDGE OF 4 X 9 IN. 11 X 11 SHEET. PRINT  
BOTTOM BORDER LINE 1/8 INCH FROM BOTTOM EDGE OF 4 X 9 IN. 11 X 11 SHEET.

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