

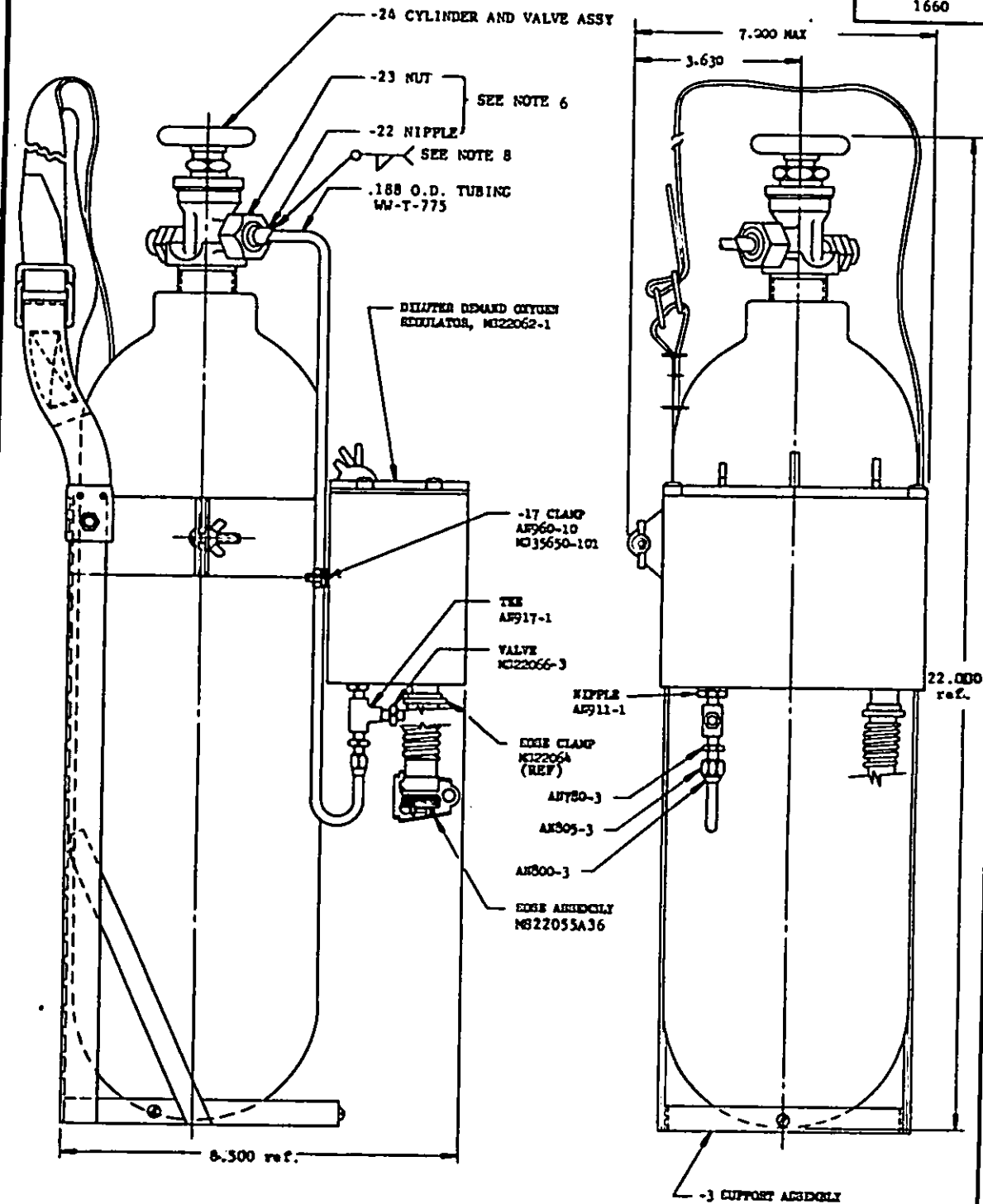
FED. SUP CLASS  
1660

UNLESS OTHERWISE SPECIFIED:

ARMY - AV  
NAVY - AS  
USAF - 11

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-1 ASSEMBLY

D DENOTES CHANGES

P.A.  
NAVY - AS  
Other Cust  
USAF - 99  
ARMY - AVINTER-  
NATIONAL  
INTEREST

TITLE

OXYGEN SYSTEM, PORTABLE, 295 CU IN.  
HIGH PRESSURE, AIRCRAFTPROCUREMENT SPECIFICATION  
MIL-O-23678

SUPERSEDES:

BuWep DWGS 9153, 9207

MILITARY STANDARD

MS 22059

SHEET 1 OF 7

DD FORM 1 MAR 72 672-1 (Continued)

REVISIONS SHOWN BY THIS FORM AND SYMBOLS

PROJECT NO. 1660-0456

PLATE NO. 22059

APPROVED 9 MAY 63 REVISED A 29 SEPT 66 B 13 AUG 69 C 23 JAN 75 D 10 SEPT 82

USER SYMBOLS:

REVIEWER SYMBOLS:

ARMY - AV.  
NAVY - AS  
AIR FORCE - 11

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FED. SUP CLASS 1660			
P.A. NAVY - AS Other Cust USAF - 99 ARMY - AV	INTERNATIONAL INTEREST	TITLE OXYGEN SYSTEM, PORTABLE, 295 CU IN. HIGH PRESSURE, AIRCRAFT	
PROCUREMENT SPECIFICATION MIL-0-23678		SUPERSEDES: DuVep DWG 9153, 9207	
		MILITARY STANDARD MS22059	
		SHEET 2 OF 7	

APPROVED 9 MAY 63 REVISED D FOR CHANGES SEE SHEETS 1 THRU 7

FED. SUP CLASS  
1660

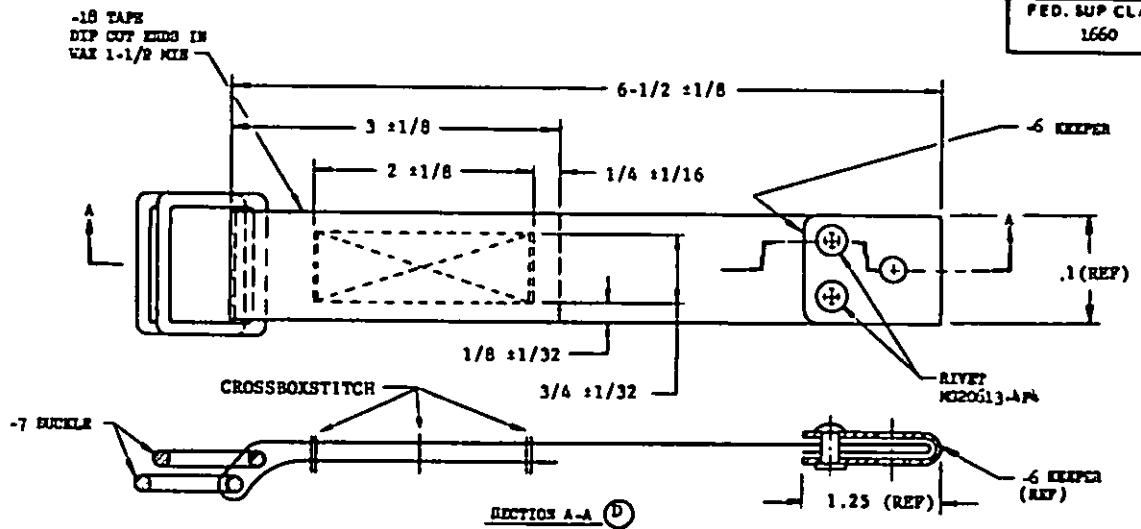
USER SYMBOLS:

REVIEWER SYMBOLS:

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NAVY - AS  
AIR FORCE - 11

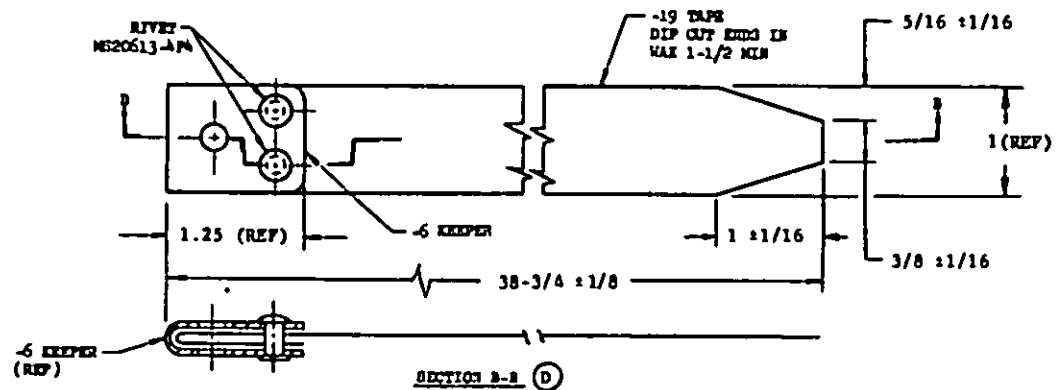
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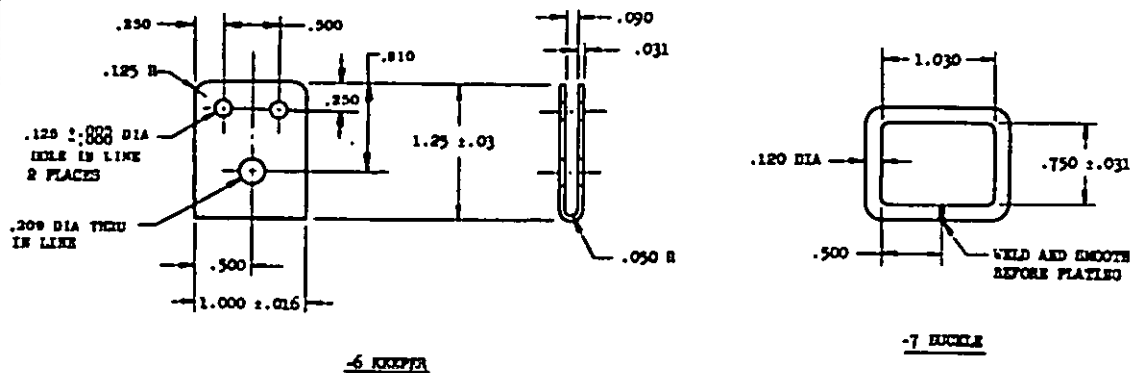
SECTION A-A (D)

-4 RETAINER STRAP ASSEMBLY



SECTION B-B (D)

-5 RETAINING STRAP ASSEMBLY



-7 BUCKLE

P.A. NAVY-AS Other Code USAP -99 ARMY-AV	INTERNATIONAL INTEREST	TITLE  OXYGEN SYSTEM, PORTABLE, 295 CU IN. HIGH PRESSURE, AIRCRAFT	MILITARY STANDARD <b>MS22059</b>
PROCUREMENT SPECIFICATION MIL-D-23678		SUPERSEDES: BuRep DMS 9153, 9207	SHEET 3 OF 7

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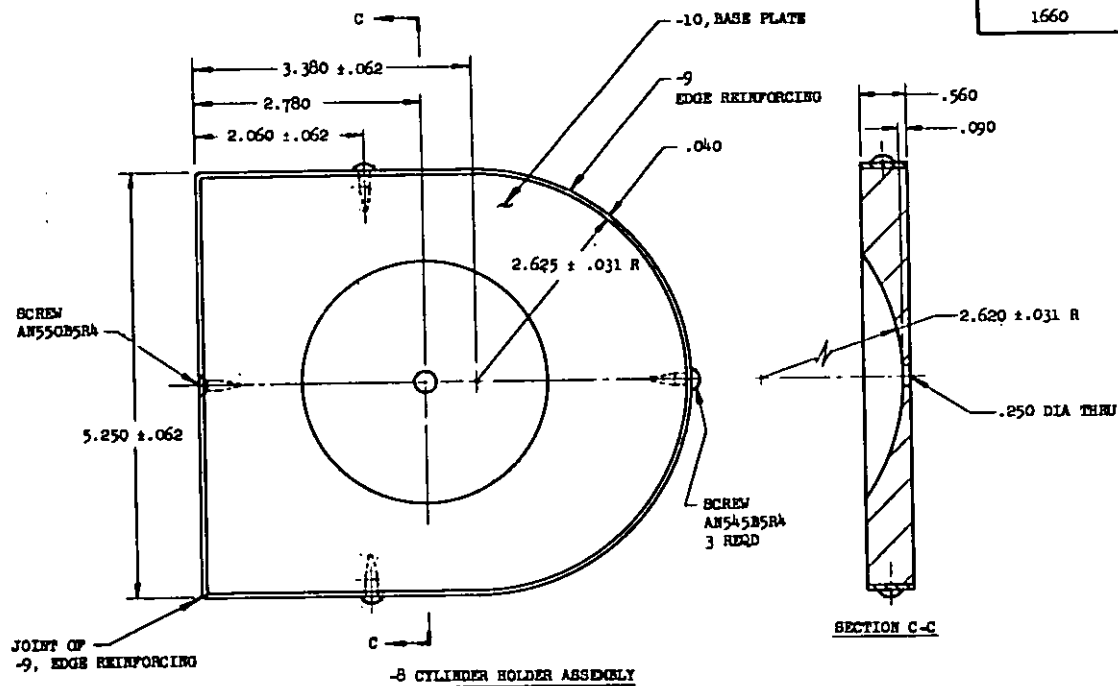
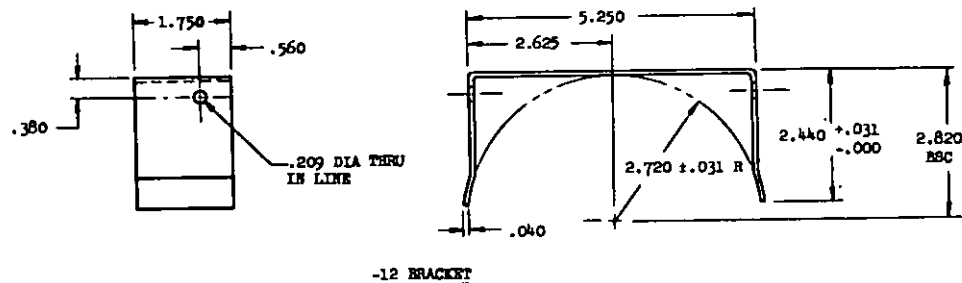
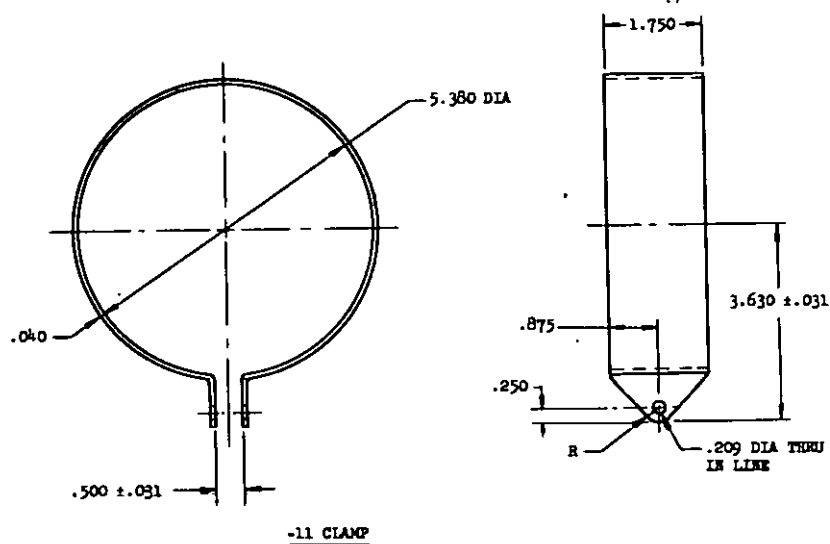
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ARMY - AVLCJ1

NAVY - AB

AIR FORCE - 11

FED. SUP CLASS  
1660

APPROVED 9 4 63 REVISED D FOR CHANGES SEE SHEETS 1 THRU 7

P.A. NAVY - AB Other Cast USAF - 99 ARMY - AV	INTERNATIONAL INTEREST	TITLE  OXYGEN SYSTEM, PORTABLE, 295 CU IN. HIGH PRESSURE, AIRCRAFT	MILITARY STANDARD  MS22059
PROCUREMENT SPECIFICATION MIL-0-23678	SUPERSEDES: BuVer DWG 9153, 9207	SHEET 4 OF 7	

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FED. SUP CLASS  
1600

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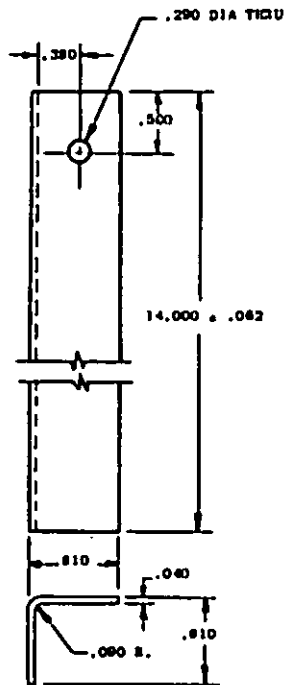
ADD - ATCLJ

NAVY - AD

AIA PAGES - 12

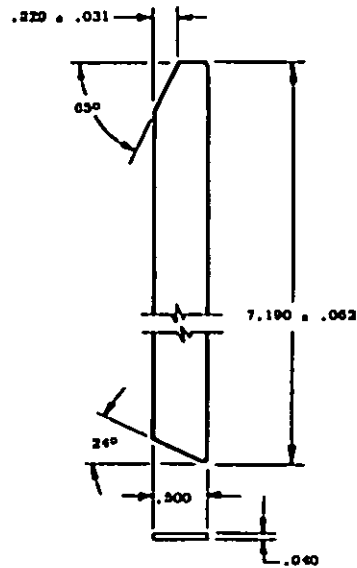
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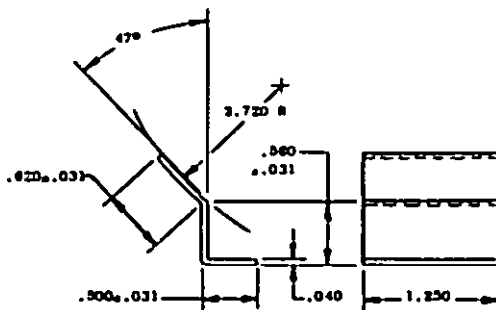


-13 CONNECTOR BRACKET L. R. (R1004)

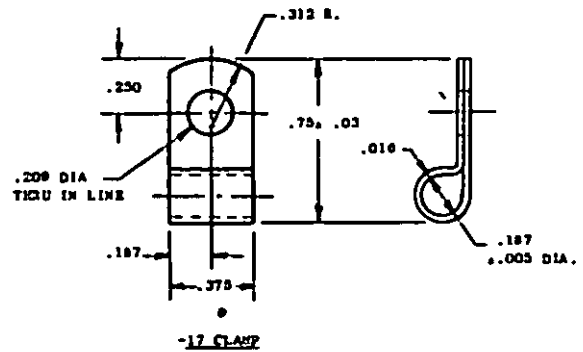
-13 CONNECTOR BRACKET R. R. (OPPOSITE)



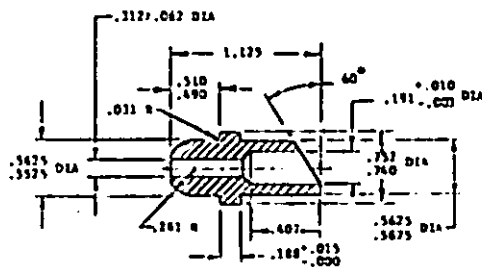
-16 STIFFENER



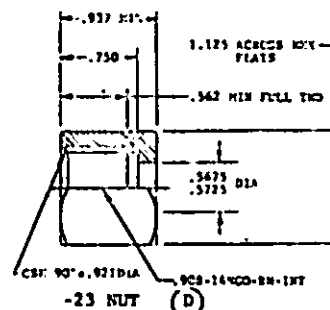
-14 BRACKET



-17 CLAMP



-22 NIPPLE (D)



-23 NUT (D)

P.A. NAVY - AS Other Code USAF -99 ARMY -AV	INTERNATIONAL INTEREST	TITLE OXYGEN SYSTEM, PORTABLE, 295 CU. IN. HIGH PRESSURE, AIRCRAFT	MILITARY STANDARD MS22059
PROCUREMENT SPECIFICATION MIL-D-23278	SUPERSEDES: BLNIPPE DNGS 9153, 9207	SHEET 5 OF 7	

DD FORM 672-1 (Coordinated)

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PLATE NO. 15320

APPROVED 9 MAY 1963 REVISED (D) FOR CHANGES SEE SHEETS 1 THRU 7

USER SYMBOLS:

REVIEWER SYMBOLS:

ADD - AV-11  
NAVY - AS  
AIR FORCE - 11

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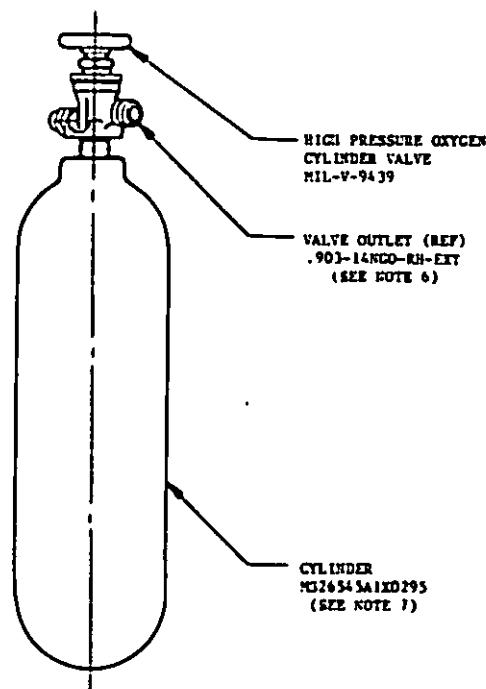
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FED. SUP CLASS 1680	
<p>P.A. NAVY - AS Other Cust USAF - 99 ARMY - AV.</p>	<p>INTERNATIONAL INTEREST</p>
<p>TITLE OXYGEN SYSTEM, PORTABLE, 295 CU. IN. HIGH PRESSURE, AIRCRAFT</p>	
<p>PROCUREMENT SPECIFICATION MIL-O-23878</p>	
<p>SUPERSEDES: BWSPS 9153, 9207</p>	
<p>MILITARY STANDARD MS22059</p>	
<p>SHEET 6 OF 7</p>	

APPROVED 9 MAY 1963 REVISED D FOR CHANGES SEE SHEETS 1 THRU 7

FED. SUP CLASS  
1660

USE SYMBOL:

REVIEW SYMBOL:  
ARMY - AV  
NAVY - AS  
USAF - 11

-24 CYLINDER AND VALVE ASSY

(D)

(D)

## NOTES:

1. MATERIAL: (A) KEEPER, -6; EDGE REINFORCING, -9; CLAMP, -11; BRACKET, -12; BRACKET, -14; CONNECTION BRACKET, -15 R. H. AND -15 L. H.; STIFFENER, -16; AND BOX, -20; SHEET STEEL, QQ-S-698 NO. 3 TEMPER, (QUARTER HARD), HRCQ.  
(B) BUCKLE, -7; STEEL WIRE, QQ-W-461.  
(C) BASE PLATE, -10; WHITE WOOD.  
(D) CLAMP, -17; STEEL STRIP, CORROSION RESISTING, QQ-S-766.  
(E) TAPE, -18 AND -19; COTTON, MIL-T-5661, TYPE II, 1 INCH WIDE.  
(F) THREAD, NYLON, V-T-295, SIZE E, TYPE II, CLASS 1 OR 2.  
(G) NIPPLE, -22; AND NUT, -23; BRASS QQ-B-626, COMP 360 OR 377.
2. FINISH: (A) KEEPER, -6; EDGE REINFORCING, -9; CLAMP, -11; BRACKET, -12; BRACKET, -14, CONNECTOR BRACKET, -15 R. H. AND -15 L. H.; STIFFENER, -16 AND BOX, -20, ZINC CHROMATE PRIMED PER TT-P-1757 AND PAINTED LUSTRELESS ENAMEL PER TT-E-516, COLOR BLACK (NO. 37038) PER FED-STD-595.  
(B) BUCKLE, -7; CADMICH PLATE, QQ-P-416, CLASS A, TYPE 1.
3. ALL BEND RADIUS .06 UNLESS OTHERWISE SPECIFIED. REMOVE ALL BURNS AND BREAK ALL SHARP EDGES.
4. DIMENSION IN INCHES, UNLESS OTHERWISE SPECIFIED. TOLERANCES: FRACTIONS  $\pm 1/16$ , DECIMALS  $\pm .010$ , ANGLES  $\pm 1^\circ$ . DIMENSIONING AND TOLERANCING IN ACCORDANCE WITH ANSI Y14.5.
5. ASSEMBLY MOUNTING, -18; SHALL BE DZUS FASTENER CO., INC., 127 UNION ST., WEST ISLIP, N.Y. PART NO. PR3 1/2 RECEPTACLE OR EQUIVALENT.
6. VALVE OUTLET CONNECTION SHALL BE IN ACCORDANCE WITH FED-STD-H28/9, CONNECTION NO. 340 (.903-14NGO-RH-EXT.)
7. CYLINDER CLASS IS OPTIONAL. USE CLASS 1, 2, 3 OR 4.
8. SIL-BRAZE, SILVER SOLDER SHALL BE IN ACCORDANCE WITH QQ-B-654, CLASS BAg-5
- \* CERTAIN PROVISIONS (FUNCTIONAL AND PHYSICAL INTERCHANGEABLE FEATURES) OF THIS STANDARD ARE THE SUBJECT OF INTERNATIONAL STANDARDIZATION AGREEMENT ADC AIR STANDARD 14/5, "WALK AROUND OXYGEN SETS". WHEN AMENDMENT, REVISION, OR CANCELLATION OF THIS STANDARD IS PROPOSED WHICH WILL AFFECT OR VIOLATE THE INTERNATIONAL AGREEMENT CONCERNED, THE PREPARING ACTIVITY WILL TAKE APPROPRIATE RECONCILIATION ACTION THROUGH INTERNATIONAL STANDARDIZATION CHANNELS INCLUDING DEPARTMENTAL STANDARDIZATION OFFICES, IF REQUIRED.

FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.

P.A. NAVY - AS Other Cust USAF - 99 ARMY - AV	INTER- NATIONAL INTEREST *	TITLE OXYGEN SYSTEM, PORTABLE, 295 CU. IN. HIGH PRESSURE, AIRCRAFT	MILITARY STANDARD <b>MS22059</b>
PROCUREMENT SPECIFICATION MIL-D-23678	SUPERSEDED BUNEPS DMS 9153, 9207	SHEET 7 OF 7	

DD FORM 1 MAR 70 672-1 (Continued)

FEDERAL GOVERNMENT OF THE UNITED STATES

PLATE NO. 2288

APPROVED 9 MAY 1963  
REVISED  
(D) FOR CHANGES SEE SHEETS 1 THRU 7