

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	LTR	DESCRIPTION	DATE	APPROVED
			CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.		



NOTES:

- APPLICABLE STANDARDS/SPECIFICATION
A- MIL-STD-100E
B- AWS A5.8
- MATERIAL: PASTE OR POWDER
- PROTECTIVE FINISH: NONE
- COLOR:
- SALIENT CHARACTERISTICS
A. FLUX FORMULATED FOR BRAZING ALUMINUM ALLOYS.
B. THE CONTAINER SHALL BE 90% FULL & HOLD 1 POUND OF FLUX.
C. PRODUCT TYPE AND USAGE SHALL BE ON THE CONTAINER.
- SUGGESTED SOURCE(S) LISTED ON A VENDOR ITEM DRAWING ARE NOT INTENDED TO REPRESENT THE ONLY SOURCE(S) FOR THE ITEM.
- IDENTIFICATION OF THE SUGGESTED SOURCE(S) OF SUPPLY HEREON IS NOT TO BE CONSTRUED AS A GUARANTEE OF PRESENT OR CONTINUED AVAILABILITY AS A SOURCE OF SUPPLY FOR THE ITEM(S).

SUGGESTED SOURCE OF SUPPLY				
PART NO.	VENDOR	ADDRESS	CAGE CODE	VENDOR PART NO.
XX	A.J. SMITH	3707 W. RIVER DRIVE DAVENPORT, IA	ZZ	SP400-1
XX	PRAXAIR	903 2ND AVE ROCK ISLAND, IL	ZZ	00
XX	MCMASTER CARR	CHICAGO, IL	ZZ	00

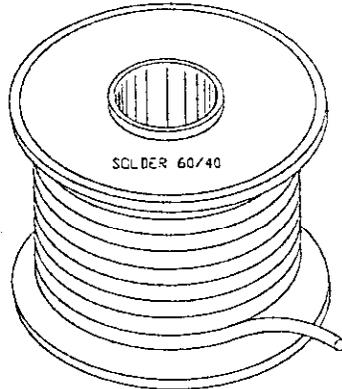
DISTRIBUTION STATEMENT A. APPROVED FOR PUBLIC RELEASE; DISTRIBUTION IS UNLIMITED.

VENDOR ITEM DRAWING

PART NO. 04A048407

PMIC UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE 3 PLACE	CONTRACT NUMBER		DEPARTMENT OF THE ARMY U.S. ARMY ARMAMENT RESEARCH, DEVELOPMENT AND ENGINEERING CENTER ROCK ISLAND, ILLINOIS 61299-7300		
	CONTRACTOR				
	DRAWN BY L.C.MCFARLAND	DATE 98-04-10	BRAZING FLUX FOR ALUMINUM		
	CHECKER	ENGINEER			
DRAWING APPROVAL STEVE MARRIOTT		SIZE A	CAGE CODE 59678	04A048407	
MATL ENGR	DESIGN APPROVAL BOB RIEDL		SCALE	UNIT WT	SHEET

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	LTR	DESCRIPTION	DATE	APPROVED
			CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.		



NOTES:

1. APPLICABLE STANDARDS/SPECIFICATION
 - A- MIL-STD-100E
 - B- AWS A5.8
2. MATERIAL: 60/40 TIN LEAD ALLOY
3. PROTECTIVE FINISH: NONE
4. COLOR:
5. SALIENT CHARACTERISTICS
 - A. 3/16 INCH DIAMETER SOLID CORE COILED ROD.
 - B. THE SPOOL SHALL BE 90% FULL & HOLD 1 POUND OF SOLDER.
 - C. PRODUCT ALLOY TYPE AND USAGE SHALL BE ON THE CONTAINER.
6. SUGGESTED SOURCE(S) LISTED ON A VENDOR ITEM DRAWING ARE NOT INTENDED TO REPRESENT THE ONLY SOURCE(S) FOR THE ITEM.
7. IDENTIFICATION OF THE SUGGESTED SOURCE(S) OF SUPPLY HEREON IS NOT TO BE CONSTRUED AS A GUARANTEE OF PRESENT OR CONTINUED AVAILABILITY AS A SOURCE OF SUPPLY FOR THE ITEM(S).

SUGGESTED SOURCE OF SUPPLY				
PART NO.	VENDOR	ADDRESS	CAGE CODE	VENDOR PART NO.
XX	A.J. SMITH	3707 W. RIVER DRIVE DAVENPORT, IA	ZZ	SP400-1
XX	PRAXAIR	903 2ND AVE ROCK ISLAND, IL	ZZ	00
XX	MCMASTER CARR	CHICAGO, IL	ZZ	00

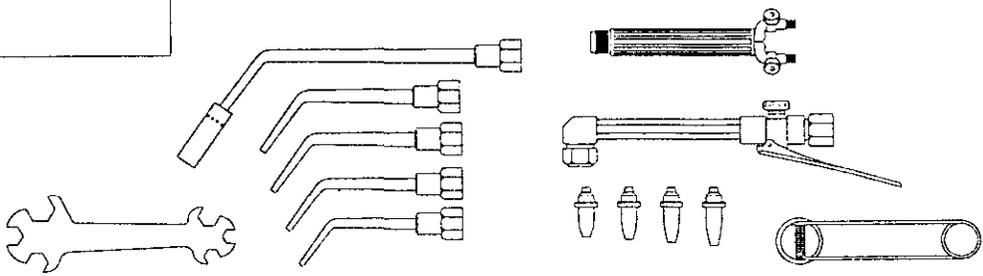
DISTRIBUTION STATEMENT A. APPROVED FOR PUBLIC RELEASE; DISTRIBUTION IS UNLIMITED.

VENDOR ITEM DRAWING

PART NO. 04A048408

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE 3 PLACE	CONTRACT NUMBER		DEPARTMENT OF THE ARMY U.S. ARMY ARMAMENT RESEARCH, DEVELOPMENT AND ENGINEERING CENTER ROCK ISLAND, ILLINOIS 61299-7300		
	CONTRACTOR				
	DRAWN BY L.C. MCFARLAND		DATE 98-04-10	SOLDER	
CHECKER		ENGINEER			
DRAWING APPROVAL STEVE MARRIOTT		SIZE A	CAGE CODE 59678	04A048408	
MATL ENGR	DESIGN APPROVAL BOB RIEDL		SCALE	UNIT WT	SHEET

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	LTR	DESCRIPTION	DATE	APPROVED
			CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.		



0000-00-000-0000 TORCH SET, PROPYLENE; A COMPONENT OF THE PROPYLENE BRAZE WELD AND CUTTING SET, DWG NO. 04A048510. ILLUSTRATION(S) PROVIDED ARE INTENDED TO PROVIDE GENERAL FEATURES AND ARE NOT TO IMPOSE DESIGN REQUIREMENTS. THE ITEMS LISTED MUST BE SELECTED BY CAGE CODE/MFR TO MAINTAIN INTERCHANGABILITY WITH MATING COMPONENTS OF THIS TORCH SET. THIS SET SHALL INCLUDE A MULTI-WRENCH HAVING ALL REQUIRED SIZES. THE SET SHALL COMPLY WITH ALL APPLICABLE CGA AND AWS REQUIREMENTS FOR COMMERCIAL STD WELDING EQUIPMENT AND SHALL CONSIST OF THE FOLLOWING ITEMS:

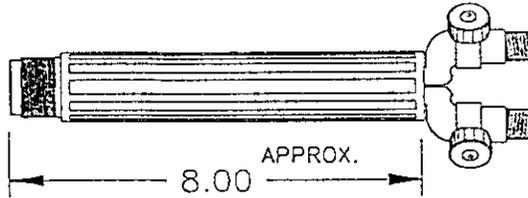
QTY	ITEM NAME	DRAWING NUMBER
(1 EA)	HANDLE, TORCH	04A048501
(1 EA)	CUTTING ATTACHMENT	04A048505
(1 EA)	FLINT STRIKER	04A048506
(1 SET)	NOZZLES, CUTTING, SET	04A048504
(1 SET)	TIP, BRAZE WELDING, SET	04A048502
(1 EA)	HEAT HEAD W/EXT	04A048503
(1 EA)	MULTI-WRENCH	04A048507

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PART NO. 04A040500

PMIC UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE 3 PLACE ± ±	CONTRACT NUMBER		DEPARTMENT OF THE ARMY U.S. ARMY ARMAMENT RESEARCH, DEVELOPMENT AND ENGINEERING CENTER ROCK ISLAND, ILLINOIS 61299-7300			
	CONTRACTOR		TORCH SET, PROPYLENE			
	DRAWN BY L.C.MCFARLAND	DATE 10 NOV 94	SIZE A	CAGE CODE 59678	04A048500	
	CHECKER	ENGINEER	DRAWING APPROVAL		SCALE DO NOT UNIT WT	
	DESIGN APPROVAL				SHEET 1 OF 2	
MATL ENGR						

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	LTR	DESCRIPTION	DATE	APPROVED
			CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.		



NOTES:

1. APPLICABLE STANDARDS/SPECIFICATION
A- MIL-STD-100E
2. MATERIAL:
3. PROTECTIVE FINISH:
4. COLOR:
5. SALIENT CHARACTERISTICS
A- OXYGEN FUEL-GAS, BRASS BODY, MEDIUM DUTY.
B- 9/16-18 UNF L.H. & R.H. MALE THREADED CONNECTIONS.
W/(1 EA) MANUAL SHUT-OFF VALVES
C- ATTACHABLE TO TIPS, CUTTING ATTACHMENT AND HEAT HEADS BY MATING THREAD & SEAL SURFACES ON OUTFLOW END.
D- THE SOURCES/PART NUMBERS LISTED BELOW MUST BE SELECTED BY BRAND NAME MFR FOR INTERCHANGABILITY WITH MATING COMPONENTS OF TORCH SET, DWG. NO. 14A048500.
E- THIS ITEM IS PART OF PROPYLENE BRAZE WELD & CUTTING SET, DWG NO. 04A040510.
6. SUGGESTED SOURCE(S) LISTED ON A VENDOR ITEM DRAWING ARE NOT INTENDED TO REPRESENT THE ONLY SOURCE(S) FOR THE ITEM.
7. IDENTIFICATION OF THE SUGGESTED SOURCE(S) OF SUPPLY HEREON IS NOT TO BE CONSTRUED AS A GUARANTEE OF PRESENT OR CONTINUED AVAILABILITY AS A SOURCE OF SUPPLY FOR THE ITEM(S).

SUGGESTED SOURCE OF SUPPLY				
PART NO.	VENDOR	ADDRESS	CAGE CODE	BRAND NAME SERIES P/N
XX	S.J. SMITH	3707 W RIVER DRIVE	63026	VICTOR 315C, 0382-0017
		DAVENPORT, IA	00741	AIRCO 800, 819--800
XX	GENTEX	903-2ND AVE	17941	UNIWELD CA98, 98L9
		ROCK ISLAND, IL	55681	SMITH 200, SW2

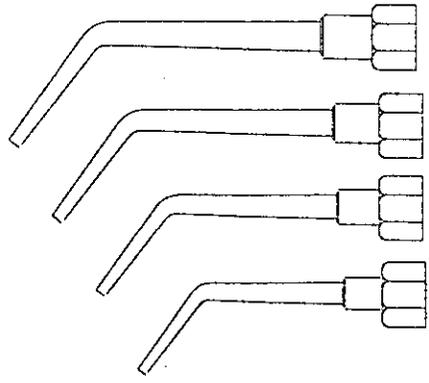
DISTRIBUTION STATEMENT A. APPROVED FOR PUBLIC RELEASE; DISTRIBUTION IS UNLIMITED.

VENDOR ITEM DRAWING

PART NO. 04A048501

PMIC	CONTRACT NUMBER		DEPARTMENT OF THE ARMY U.S. ARMY ARMAMENT RESEARCH, DEVELOPMENT AND ENGINEERING CENTER ROCK ISLAND, ILLINOIS 61299-7300		
	CONTRACTOR				
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE 3 PLACE	DRAWN BY L.C.MCFARLAND	DATE 98-04-10	HANDLE, TORCH		
	CHECKER	ENGINEER			
MATL ENGR	DRAWING APPROVAL STEVE MARRIOTT		SIZE A	CAGE CODE 59678	04A048501
	DESIGN APPROVAL BOB RIEDL		SCALE	UNIT WT	SHEET

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	LTR	DESCRIPTION	DATE	APPROVED
			CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.		



NOTES:

1. APPLICABLE STANDARDS/SPECIFICATION
A- MIL-STD-100E
2. MATERIAL:
3. PROTECTIVE FINISH:
4. COLOR:
5. SALIENT CHARACTERISTICS
A- TIP, BRAZE WELD: OXYGEN FUEL-GAS, BRASS COUPLING, COPPER-BRONZE BODY, GENERAL PURPOSE, MEDIUM DUTY 65 DEGREE ANGLE, LONG FLAME, SINGLE ORIFICE, ADAPTS TO TORCH HANDLE.
B- ORIFICE SIZES; .060(1.5 MM), .083 (2.0 MM), .121 (3.0 MM) & .141 (4.0 MM).
C- THE SOURCES/PART NUMBERS LISTED BELOW MUST BE SELECTED BY BRAND NAME FOR INTERCHANGABILITY WITH MATING COMPONENTS OF TORCH SET, DWG. NO. 04A048500. THIS SET IS PART OF PROPYLENE BRAZE WELD & CUTTING SET, DWG NO. 04A048510.
6. SUGGESTED SOURCE(S) LISTED ON A VENDOR ITEM DRAWING ARE NOT INTENDED TO REPRESENT THE ONLY SOURCE(S) FOR THE ITEM.
7. IDENTIFICATION OF THE SUGGESTED SOURCE(S) OF SUPPLY HEREON IS NOT TO BE CONSTRUED AS A GUARANTEE OF PRESENT OR CONTINUED AVAILABILITY AS A SOURCE OF SUPPLY FOR THE ITEM(S).

SUGGESTED SOURCE OF SUPPLY				
PART NO.	VENDOR	ADDRESS	CAGE CODE	BRAND NAME SERIES P/N.
	S.J.SMITH	3707 W RIVER DRIVE	53026	VICTOR 1-323, 121, 130,132, 141
		DAVENPORT, IA	00741	AIRCO 80, 811-8000, 02, 04, 08
XX	GENTEX	903-2ND AVE	17941	UNIWELD 80, 2, 4, 6, 8
		ROCK ISLAND, IL	55681	SMITH SW200, 202, 206, 208

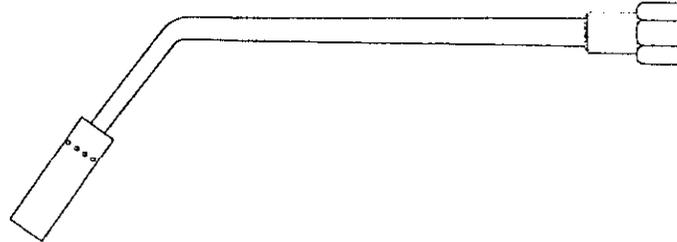
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VENDOR ITEM DRAWING

PART NO. 04A048502

PMIC	CONTRACT NUMBER		DEPARTMENT OF THE ARMY U.S. ARMY ARMAMENT RESEARCH, DEVELOPMENT AND ENGINEERING CENTER ROCK ISLAND, ILLINOIS 61299-7300		
	CONTRACTOR				
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE 3 PLACE	DRAWN BY L.C.MCFARLAND	DATE 98-04-10	TIPS, BRAZE WELD SET		
	CHECKER	ENGINEER			
MATL ENGR	DRAWING APPROVAL STEVE MARRIOTT		SIZE A	CAGE CODE 59678	04A048502
	DESIGN APPROVAL BOB RIEDL		SCALE	UNIT WT	SHEET

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	LTR	DESCRIPTION	DATE	APPROVED
			CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.		



NOTES:

1. APPLICABLE STANDARDS/SPECIFICATION
A- MIL-STD-100E
2. MATERIAL:
3. PROTECTIVE FINISH:
4. COLOR:
5. SALIENT CHARACTERISTICS
A- HEAT HEAD W/EXT: OXYGEN FUEL-GAS, EXTENDED TUBE WITH COUPLING NUT CONFIGURED FOR ATTACHMENT TO TORCH HANDLE.
B- HAVING A 65 DEGREE BEND AT 30% OF TUBE, LENGTH O.A. 8" MIN, 12" MAX, ORIFICE .180 (4.0 MM).
C- THE PARTS LISTED BELOW MUST BE SELECTED BY BY BRAND NAME FOR INTERCHANGABILITY WITH MATING COMPONENTS OF TORCH SET. NO. 04A048500. THIS ITEM IS A COMPONENT OF THE POLYPROPYLENE BRAZE WELD & CUTTING SET, DWG NO. 04A048510.
6. SUGGESTED SOURCE(S) LISTED ON A VENDOR ITEM DRAWING ARE NOT INTENDED TO REPRESENT THE ONLY SOURCE(S) FOR THE ITEM.
7. IDENTIFICATION OF THE SUGGESTED SOURCE(S) OF SUPPLY HEREON IS NOT TO BE CONSTRUED AS A GUARANTEE OF PRESENT OR CONTINUED AVAILABILITY AS A SOURCE OF SUPPLY FOR THE ITEM(S).

SUGGESTED SOURCE OF SUPPLY				
PART NO.	VENDOR	ADDRESS	CAGE CODE	BRAND NAME SERIES P/N
	S.J. SMITH	3707 W RIVER DRIVE	63026	VICTOR MFA 10, 0323-0324
		DAVENPORT, IA	77041	AIRCO 860, 811-3810
	GENTEX	902-2ND AVE	17941	UNIWELD 945, 10
		ROCK ISLAND, IL	55681	SMITH ST, ST815

DISTRIBUTION STATEMENT A. APPROVED FOR PUBLIC RELEASE; DISTRIBUTION IS UNLIMITED.

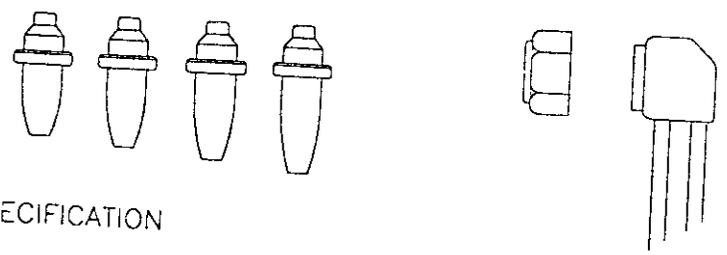
VENDOR ITEM DRAWING

PART NO. 04A048503

PMIC	CONTRACT NUMBER		DEPARTMENT OF THE ARMY U.S. ARMY ARMAMENT RESEARCH, DEVELOPMENT AND ENGINEERING CENTER ROCK ISLAND, ILLINOIS 61299-7300		
	CONTRACTOR				
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE 3 PLACE	DRAWN BY L.C.MCFARLAND	DATE 93-04-10	HEAT HEAD W/EXTENSION		
	CHECKER	ENGINEER			
MATL ENGR	DRAWING APPROVAL STEVE MARRIOTT		SIZE A	CAGE CODE 59678	04A048503
	DESIGN APPROVAL BOB RIEDL		SCALE	UNIT WT	SHEET

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	LTR	DESCRIPTION	DATE	APPROVED

CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.



NOTES:

- APPLICABLE STANDARDS/SPECIFICATION
A- MIL-STD-100E
- MATERIAL:
- PROTECTIVE FINISH:
- COLOR:
- SALIENT CHARACTERISTICS
A- NOZZLES CUTTING: OXYGEN AND PROPYLENE ADAPT TO SEAT ARE SECURED BY COUPLING NUT ON CUTTING ATTACHMENT.
B- PROVIDES A RADIAL PATTERN OF HOLES AND CENTRAL ORIFICE FOR OXYGEN AND PROPYLENE AT A FLOW RATE FOR CUTTING METAL TO 8 IN.
C- ORIFICE SIZES: .033(.80 MM), .060(1.5 MM), .083(2.0 MM) AND .121(3.0 MM).
D- PART NUMBERS LISTED BELOW MUST BE SELECTED BY BRAND NAME FOR INTERCHANGABILITY WITH MATING COMPONENTS OF THE TORCH SET, DWG. NO. 04A048500. THIS SET IS PART OF PROPYLENE BRAZE WELD & CUTTING SET, DWG NO. 04A048510.
- SUGGESTED SOURCE(S) LISTED ON A VENDOR ITEM DRAWING ARE NOT INTENDED TO REPRESENT THE ONLY SOURCE(S) FOR THE ITEM.
- IDENTIFICATION OF THE SUGGESTED SOURCE(S) OF SUPPLY HEREON IS NOT TO BE CONSTRUED AS A GUARANTEE OF PRESENT OR CONTINUED AVAILABILITY AS A SOURCE OF SUPPLY FOR THE ITEM(S).

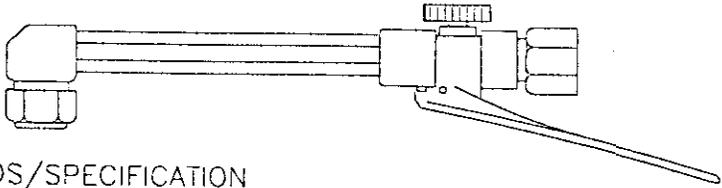
SUGGESTED SOURCE OF SUPPLY				
PART NO.	VENDOR	ADDRESS	CAGE CODE	BRAND NAME SERIES, P/N
	S.J. SMITH	3707 W RIVER DRIVE DAVENPORT, IA	63026 00741	VICTOR 1-303, 187, 193, 195, 197 AIRCO A-SP, 44, 49, 54, 65
	GENTEX	902-2ND AVE ROCK ISLAND, IL	17941 55681	UNIWELD A-SP41, 49, 54, 65 SMITH SC50-0, 2, 4, 5

DISTRIBUTION STATEMENT A. APPROVED FOR PUBLIC RELEASE; DISTRIBUTION IS UNLIMITED.

VENDOR ITEM DRAWING

PART NO. 04A048504

PMIC	CONTRACT NUMBER		DEPARTMENT OF THE ARMY U.S. ARMY ARMAMENT RESEARCH, DEVELOPMENT AND ENGINEERING CENTER ROCK ISLAND, ILLINOIS 61299-7300		
	CONTRACTOR				
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE 3 PLACE	DRAWN BY L.C.MCFARLAND	DATE 98-04-10	NOZZLES, CUTTING SET		
	CHECKER	ENGINEER			
MATL ENGR	DRAWING APPROVAL STEVE MARRIOTT		SIZE A	CAGE CODE 59678	04A048504
	DESIGN APPROVAL BOB RIEDL		SCALE	UNIT WT	SHEET

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	LTR	DESCRIPTION	DATE	APPROVED
			CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.		
					

NOTES:

1. APPLICABLE STANDARDS/SPECIFICATION
A- MIL-STD-100E
2. MATERIAL:
3. PROTECTIVE FINISH:
4. COLOR:
5. SALIENT CHARACTERISTICS
A- CUTTING ATTACHMENT; OXYGEN FUEL-GAS, BRASS BODY, MEDIUM DUTY, 90 DEGREE ANGLE HEAD, W/MIX CONTROL, FLOW RATE LEVER. ADAPTS TO TORCH HANDLE THREADS VIA HANDLE THREADS VIA COUPLING NUT AND MATCHING SEALS. ADAPTS SPECIFIC CUTTING TIPS VIA COUPLING NUT AND SEAT ON THE OUTFLOW END OF THE TORCH. SOURCE/PART NUMBERS LISTED
B- PARTS LISTED BELOW MUST BE SELECTED BY BRAND NAME FOR INTERCHANGABILITY WITH COMPONENTS OF THE TORCH SET.
C- THIS ITEM IS PART OF PROPYLENE BRAZE WELD & CUTTING SET, DWG NO. 04A040510.
6. SUGGESTED SOURCE(S) LISTED ON A VENDOR ITEM DRAWING ARE NOT INTENDED TO REPRESENT THE ONLY SOURCE(S) FOR THE ITEM.
7. IDENTIFICATION OF THE SUGGESTED SOURCE(S) OF SUPPLY HEREON IS NOT TO BE CONSTRUED AS A GUARANTEE OF PRESENT OR CONTINUED AVAILABILITY AS A SOURCE OF SUPPLY FOR THE ITEM(S).

SUGGESTED SOURCE OF SUPPLY				
PART NO.	VENDOR	ADDRESS	CAGE CODE	BRAND NAME SERIES, P/N
	S.J. SMITH	3707 W RIVER DRIVE	ZZ	VICTOR CA2460, 0381-0816
		DAVENPORT, IA	ZZ	AIRCO 800, 822-4890
	GENTEX	902-2ND AVE	ZZ	UNIWELD CA98, CA98A
		ROCK ISLAND, IL	ZZ	SMITH SC200, SC209

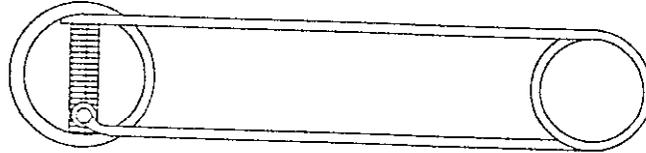
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VENDOR ITEM DRAWING

PART NO. 04A048505

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE 3 PLACE	CONTRACT NUMBER		DEPARTMENT OF THE ARMY U.S. ARMY ARMAMENT RESEARCH, DEVELOPMENT AND ENGINEERING CENTER ROCK ISLAND, ILLINOIS 61299-7300		
	CONTRACTOR				
	DRAWN BY L.C.MCFARLAND	DATE 98-04-10	CUTTING ATTACHMENT		
	CHECKER	ENGINEER			
MATL ENGR	DRAWING APPROVAL STEVE MARRIOTT		SIZE	CAGE CODE	04A048505
	DESIGN APPROVAL BOB RIEDL		A	59678	
		SCALE	UNIT WT	SHEET	

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	LTR	DESCRIPTION	DATE	APPROVED
			CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.		



NOTES:

1. APPLICABLE STANDARDS/SPECIFICATION
A- MIL-STD-100E
2. MATERIAL:
3. PROTECTIVE FINISH:
4. COLOR:
5. SALIENT CHARACTERISTICS

A- STEEL CONSTRUCTION, SINGLE HAND OPERATION, CHAIN SECUREABLE COMMERCIALY REPLACABLE FLINTS FOR ATTACHMENT AT END OF ROD. REPLACEMENT FLINTS ATTACH AT END OF ROD.

6. SUGGESTED SOURCE(S) LISTED ON A VENDOR ITEM DRAWING ARE NOT INTENDED TO REPRESENT THE ONLY SOURCE(S) FOR THE ITEM.
7. IDENTIFICATION OF THE SUGGESTED SOURCE(S) OF SUPPLY HEREON IS NOT TO BE CONSTRUED AS A GUARANTEE OF PRESENT OR CONTINUED AVAILABILITY AS A SOURCE OF SUPPLY FOR THE ITEM(S).

SUGGESTED SOURCE OF SUPPLY				
PART NO.	VENDOR	ADDRESS	CAGE CODE	VENDOR PART NO.
XX	MCMASTER CARR	CHICAGO, IL 1-630-833-0300	ZZ	00
XX	S.J. SMITH	3707 W RIVER DRIVE ROCK ISLAND, IL	ZZ	00

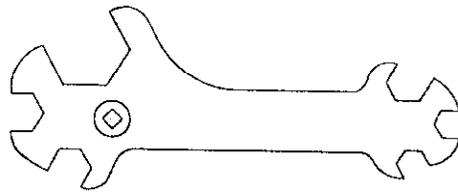
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VENDOR ITEM DRAWING

PART NO. 04A048506

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE 3 PLACE	CONTRACT NUMBER		DEPARTMENT OF THE ARMY U.S. ARMY ARMAMENT RESEARCH, DEVELOPMENT AND ENGINEERING CENTER ROCK ISLAND, ILLINOIS 61299-7300		
	CONTRACTOR				
MATL ENGR	DRAWN BY L.C.MCFARLAND	DATE 98-04-10	STRIKER, FLINT TYPE		
	CHECKER	ENGINEER			
	DRAWING APPROVAL STEVE MARRIOTT		SIZE A	CAGE CODE 59678	04A048506
	DESIGN APPROVAL BOB RIEDL		SCALE	UNIT WT	SHEET

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	LTR	DESCRIPTION	DATE	APPROVED
			CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.		



NOTES:

1. APPLICABLE STANDARDS/SPECIFICATION
A- MIL-STD-100E
2. MATERIAL:
3. PROTECTIVE FINISH:
4. COLOR:
5. SALIENT CHARACTERISTICS
A- OPENINGS, SQUARE FLAT, 7/16", 1/2", 9/16", 5/8", 11/16", 7/8", 1", AND 1-1/8" SHALL BE PROVIDED TO OPEN VALVES, ASSEMBLE CYLINDERS TO REGULATORS, HOSES TO REGULATORS, TORCHES TO HOSES, TORCHES TO TIPS, CUTTING ATTACHMENT, AND HEAT HEAD.
B- SHALL BE A LENGTH THAT MANUAL FORCE IS ADEQUATE FOR ADJUSTMENT OR ASSEMBLY OF FITTINGS.
C- PROPER USE OF THIS WRENCH SHALL NOT DAMAGE SURFACES OF SOFTER METAL HEX FACES. MULTI-WRENCH IS A COMPONENT OF TORCH SET, P/N 04A048510.
6. SUGGESTED SOURCE(S) LISTED ON A VENDOR ITEM DRAWING ARE NOT INTENDED TO REPRESENT THE ONLY SOURCE(S) FOR THE ITEM.
7. IDENTIFICATION OF THE SUGGESTED SOURCE(S) OF SUPPLY HEREON IS NOT TO BE CONSTRUED AS A GUARANTEE OF PRESENT OR CONTINUED AVAILABILITY AS A SOURCE OF SUPPLY FOR THE ITEM(S):

SUGGESTED SOURCE OF SUPPLY				
PART NO.	VENDOR	ADDRESS	CAGE CODE	VENDOR PART NO.
XX	S.J. SMITH	3707 W RIVER DRIVE DAVENPORT, IA	ZZ	00
XX	GENTEX	902-2ND AVE ROCK ISLAND, IL		

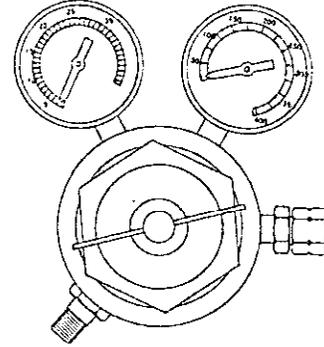
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VENDOR ITEM DRAWING

PART NO. 04A08507

PMIC	CONTRACT NUMBER		DEPARTMENT OF THE ARMY U.S. ARMY ARMAMENT RESEARCH, DEVELOPMENT AND ENGINEERING CENTER ROCK ISLAND, ILLINOIS 61299-7300		
	CONTRACTOR				
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE 3 PLACE	DRAWN BY L.C.MCFARLAND	DATE 98-04-10	MULTI-WRENCH		
	CHECKER	ENGINEER			
MATL ENGR	DRAWING APPROVAL STEVE MARRIOTT		SIZE A	CAGE CODE 59678	04A048507
	DESIGN APPROVAL BOB RIEDL		SCALE	UNIT WT	SHEET

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	LTR	DESCRIPTION	DATE	APPROVED
			CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.		



NOTES:

- APPLICABLE STANDARDS/SPECIFICATION
A- MIL-STD-100E
- MATERIAL:
- PROTECTIVE FINISH:
- COLOR:
- SALIENT CHARACTERISTICS
A- REGULATOR, PROPYLENE; CGA 510 INLET FOR CONNECTION TO GAS BOTTLE, SPRING LOADED DIAPHRAGM TYPE, 1-STAGE, MANUALLY ADJUSTABLE REGULATOR, OUTLET CONNECTION 5/16-18 UNF LH MALE THREADS FOR CONNECTION TO HOSE COUPLING NUT. HEAVY DUTY REGULATOR. GAGES SHALL BE 2-1/2" AND READ PSI, 0 TO 400 PSI CONTENT, 0 TO 40 PSI DELIVERY RANGE. MATERIAL, DESIGN
B- MANUFACTURE AND PERFORMANCE SHALL COMPLY WITH CGA E-4. GAGES SHALL BE ELASTIC ELEMENT TYPE AND CONFORM TO ANSI B40.1. MARKING SHALL CONFORM TO UL 969 AND INCLUDE NSN, MODEL, & MANUFACTURER.
C- THIS REGULATOR IS PART OF PROPYLENE BRAZE WELD & CUTTING SET, DWG NO. 04A048510.
- SUGGESTED SOURCE(S) LISTED ON A VENDOR ITEM DRAWING ARE NOT INTENDED TO REPRESENT THE ONLY SOURCE(S) FOR THE ITEM.
- IDENTIFICATION OF THE SUGGESTED SOURCE(S) OF SUPPLY HEREON IS NOT TO BE CONSTRUED AS A GUARANTEE OF PRESENT OR CONTINUED AVAILABILITY AS A SOURCE OF SUPPLY FOR THE ITEM(S).

SUGGESTED SOURCE OF SUPPLY				
PART NO.	VENDOR	ADDRESS	CAGE CODE	BRAND NAME SERIES P/N
	S.J. SMITH	3707 W RIVER DRIVE DAVENPORT, IA	63026 00741	VICTOR VTS450, VTS4610-510 AIRCO 6500, 806-6532-510
	GENTEX	902-2ND AVE ROCK ISLAND, IL	17941 55681	UNIWELD RV80, RV812-510 SMITH H1500A, H1500A-510

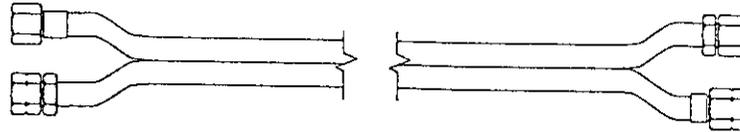
DISTRIBUTION STATEMENT A. APPROVED FOR PUBLIC RELEASE; DISTRIBUTION IS UNLIMITED.

VENDOR ITEM DRAWING

PART NO. 04A048508

PMIC	CONTRACT NUMBER		DEPARTMENT OF THE ARMY U.S. ARMY ARMAMENT RESEARCH, DEVELOPMENT AND ENGINEERING CENTER ROCK ISLAND, ILLINOIS 61299-7300		
	CONTRACTOR				
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE 3 PLACE	DRAWN BY L.C.MCFARLAND	DATE 98-04-10	REGULATOR, PROPYLENE		
	CHECKER	ENGINEER			
MATL ENGR	DRAWING APPROVAL STEVE MARRIOTT		SIZE A	CAGE CODE 59678	04A048508
	DESIGN APPROVAL BOB RIEDL		SCALE	UNIT WT	SHEET

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	LTR	DESCRIPTION	DATE	APPROVED
			CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.		



NOTES:

- APPLICABLE STANDARDS/SPECIFICATION
 - A- MIL-STD-100E
 - B- RMA/CHA IP-7-90
- MATERIAL:
- PROTECTIVE FINISH:
- COLOR:
- SALIENT CHARACTERISTICS
 - A- HOSE, WELDING, DUPLEX; FOR OXYGEN AND PROPYLENE GAS, NEOPRENE REINFORCED WITH TEXTILE BRAID, 50 FT LG, 5/16" ID, ONE HOSE GREEN FOR OXYGEN, ONE HOSE RED.
 - B- COUPLINGS SHALL BE 9/16-18 UNF-RH FOR OXYGEN, 9/16-18 UNF-LH FOR FUEL-GAS AND MAKE CONNECTIONS BETWEEN THE REGULATOR & THE TORCH.
 - C- THE HOSE SHALL PRESSURE TEST TO 300 PSI, HAVE A WORKING PRESSURE OF NOT LESS THAN 200 PSI AFTER A PULL TEST OF 100 LBS. THIS HOSE IS PART OF PROPYLENE BRAZE WELD & CUTTING SET, DWG NO. 04A048510.
- SUGGESTED SOURCE(S) LISTED ON A VENDOR ITEM DRAWING ARE NOT INTENDED TO REPRESENT THE ONLY SOURCE(S) FOR THE ITEM.
- IDENTIFICATION OF THE SUGGESTED SOURCE(S) OF SUPPLY HEREON IS NOT TO BE CONSTRUED AS A GUARANTEE OF PRESENT OR CONTINUED AVAILABILITY AS A SOURCE OF SUPPLY FOR THE ITEM(S).

SUGGESTED SOURCE OF SUPPLY				
PART NO.	VENDOR	ADDRESS	CAGE CODE	BRAND NAME SERIES, P/N
	S.J. SMITH	3707 W RIVER DRIVE DAVENPORT, IA	58880	ARMTEC 7109, 7109-311
			21686	HBD IND T, RM WELD HOSE
	GENTEX	902-2ND AVE ROCK ISLAND, IL	89588	GOODALL TULINE, 1-43
			00741	AIRCO TWIN, 908-4110

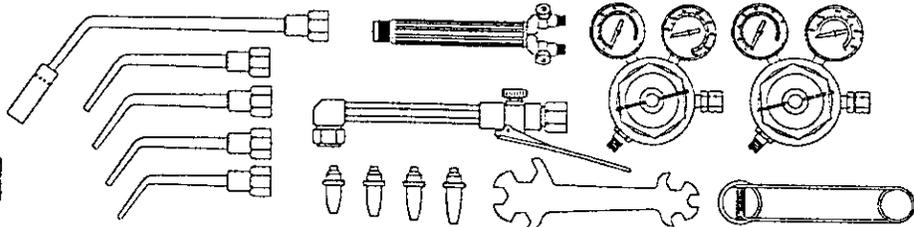
DISTRIBUTION STATEMENT A. APPROVED FOR PUBLIC RELEASE; DISTRIBUTION IS UNLIMITED.

VENDOR ITEM DRAWING

PART NO. 04A048509

PMIC UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE 3 PLACE	CONTRACT NUMBER		DEPARTMENT OF THE ARMY U.S. ARMY ARMAMENT RESEARCH, DEVELOPMENT AND ENGINEERING CENTER ROCK ISLAND, ILLINOIS 61299-7300		
	CONTRACTOR				
	DRAWN BY L.C.MCFARLAND	DATE 93-04-10	HOSE, WELDING, DUPLEX		
	CHECKER	ENGINEER			
DRAWING APPROVAL STEVE MARRIOTT		SIZE A	CAGE CODE 59678	04A048509	
MATL ENGR	DESIGN APPROVAL BOB RIEDL		SCALE	UNIT WT	SHEET

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	LTR	DESCRIPTION	DATE	APPROVED
			CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.		



NOTES:

1. APPLICABLE STANDARDS/SPECIFICATION
A- MIL-STD-100E
2. MATERIAL:
3. PROTECTIVE FINISH:
4. COLOR:
5. SALIENT CHARACTERISTICS
 - A- PROPYLENE, BRAZE WELD & CUTTING SET;
USE WITH OXYGEN AND PROPYLENE FUEL GAS, FOR PREHEAT, BRAZING, CUTTING AND HARDENING. ILLUSTRATION(S) PROVIDED ARE INTENDED FOR GENERAL FEATURES AND ARE NOT TO IMPOSE DESIGN REQUIREMENTS.
 - B- TORCH SET COMPONENTS OF DRAWING NO. 04A040012, MUST BE SELECTED BY CAGE CODE/MFR TO MAINTAIN INTERCHANGABILITY WITH MATING TIPS NOZZLES, AND CUTTING ATTACHMENTS. THIS TORCH SET SHALL INCLUDE ONE MULTI-WRENCH WITH ALL REQUIRED SIZES.
 - C- THE SET SHALL CONFORM TO ALL CGA AND AWS REQUIREMENTS FOR COMMERCIAL WELD EQUIPMENT AND CONSIST OF THE FOLLOWING:

QTY	NATIONAL STOCK NO.	ITEM NAME	DRAWING NUMBER
(1 EA)	0000-00-000-0000	REGULATOR, PROPYLENE	04A048508 SH1
(1 EA)	0000-00-000-0000	REGULATOR, OXYGEN	04A048508 SH2
(1 EA)	0000-00-000-0000	WELDING HOSE, DUPLEX	04A048509
(1 EA)	0000-00-000-0000	TANK, PROPYLENE	04A049400
(1 EA)	0000-00-000-0000	TORCH SET, PROPYLENE	04A040500 SH1
(1 EA)	8120-00-357-7992	CYLINDER, OXYGEN	04A049401

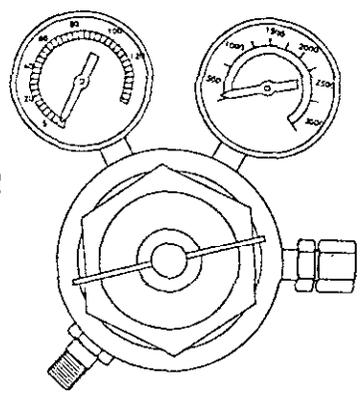
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VENDOR ITEM DRAWING

PART NO. 04A048510

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE 3 PLACE ± ±	CONTRACT NUMBER		DEPARTMENT OF THE ARMY U.S. ARMY ARMAMENT RESEARCH, DEVELOPMENT AND ENGINEERING CENTER ROCK ISLAND, ILLINOIS 61299-7300		
	CONTRACTOR				
	DRAWN BY L.C.MCFARLAND	DATE 10 NOV 94	PROPYLENE BRAZE WELD AND CUTTING SET		
	CHECKER	ENGINEER			
MATL ENGR	DRAWING APPROVAL	SIZE A	CAGE CODE 59678	04A048510	
	DESIGN APPROVAL	SCALE	DO NOT	UNIT WT	SHEET

APPLICATION		REVISIONS		
NEXT ASSY	USED ON	DESCRIPTION	DATE	APPROVED
		CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.		



NOTES:

- APPLICABLE STANDARDS/SPECIFICATION
 - A- MIL-STD-100E
 - B- CGA E-4. GAGES
 - C- ANSI B40.1
 - D- UL-969
- MATERIAL:
- PROTECTIVE FINISH:
- COLOR:
- SALIENT CHARACTERISTICS
 - A- REGULATOR, OXYGEN; CGA 540 INLET FOR CONNECTION TO OXYGEN BOTTLE, SPRING LOADED DIAPHRAGM TYPE 1-STAGE, MANUALLY ADJUSTABLE REGULATOR, OUTLET CONNECTION 5/16-18 UNF RH MALE THREADS FOR CONNECTION TO HOSE COUPLING NUT. MEDIUM DUTY REGULATOR. GAGES SHALL BE 2-1/2" AND READ PSI 0 TO 3000 PSI CONTENT, 0 TO 110 PSI DELIVERY. MATERIAL, DESIGN, ASSOCIATION. GAGES SHALL BE ELASTIC ELEMENT TYPE AND CONFORM TO ANSI MARKING REQUIREMENTS AND INCLUDE NSN, MODEL, & MANUFACTURER.
- THIS REGULATOR IS PART OF PROPYLENE BRAZE WELD AND CUTTING SET, DWG NO. 04A048510. IDENTIFICATION OF THE SUGGESTED SOURCE(S) OF SUPPLY HEREON IS NOT TO BE CONSTRUED AS A GUARANTEE OF PRESENT OR CONTINUED AVAILABILITY AS A SOURCE OF SUPPLY FOR THE ITEMS.

SUGGESTED SOURCE OF SUPPLY				
PART NO.	VENDOR	ADDRESS	CAGE CODE	VENDOR PART NO.
	VICTOR		63026	VTS450-540
	SMITH		55681	H1510A-540
	AIRCO		00741	806-6506-540
	UNIWELD		17941	RVBD10-540

DISTRIBUTION STATEMENT A. APPROVED FOR PUBLIC RELEASE; DISTRIBUTION IS UNLIMITED.

VENDOR ITEM DRAWING

PART NO. 04A048511

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE 3 PLACE ± ±	CONTRACT NUMBER		DEPARTMENT OF THE ARMY U.S. ARMY ARMAMENT RESEARCH, DEVELOPMENT AND ENGINEERING CENTER ROCK ISLAND, ILLINOIS 61299-7300	
	CONTRACTOR			
	DRAWN BY L.C.MCFARLAND	DATE 10 NOV 94	REGULATOR, OXYGEN	
	CHECKER	ENGINEER		
MATL ENGR	DRAWING APPROVAL	SIZE A	CAGE CODE 59678	04A048511
	DESIGN APPROVAL	SCALE DO NOT	UNIT WT	SHEET

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	LTR	DESCRIPTION	DATE	APPROVED
			CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.		

NOTES:

1. APPLICABLE STANDARDS/SPECIFICATION

- A- MIL-STD-100E
- B- CGA E-4
- C- ANSI B40.1
- D- UL-969

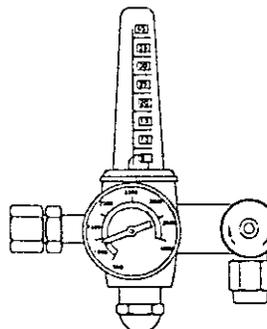
2. MATERIAL:

3. PROTECTIVE FINISH:

4. COLOR:

5. SALIENT CHARACTERISTICS

- A- FLOWMETER REGULATOR, ARGON; CGA 9/16-18 W/ADAPTER FOR 5/8-18 R.H. OUTLET, 1/8" NPT INLET CONNECTION.
- B- UNF RH FEMALE THREADS FOR CONNECTION TO COUPLING HOSE NUT. MEDIUM DUTY REGULATOR. GAGE SHALL BE READABLE TO 4000 PSI CONTENT, AND MANUAL ADJUST FLOW CONTROL OF NLT 0 TO 40 SCFH.
- C- MATERIAL, DESIGN, MANUFACTURE AND PERFORMANCE SHALL COMPLY WITH COMPRESSED GAS ASSOC. GAGE SHALL BE ELASTIC ELEMENT TYPE AND MARKING SHALL CONFORM UNDERWRITERS LABORATORY REQUIREMENTS FOR MARKING PART NO., MANUFACTURER AND NSN.



6. IDENTIFICATION OF THE SUGGESTED SOURCES HEREON IS NOT TO BE CONSTRUED AS A GUARANTEE OF PRESENT OR CONTINUED AVAILABILITY AS A SOURCE OF SUPPLY FOR THE ITEM(S).

SUGGESTED SOURCE OF SUPPLY				
PART NO.	VENDOR	ADDRESS	CAGE CODE	VENDOR PART NO.
	SJ SMITH	3007 W RIVER DRIVE DAVENPORT, IA	ZZ	REF-3PGD
	MCMaster CARR	CHICAGO, IL DAVENPORT, IA		7859A43

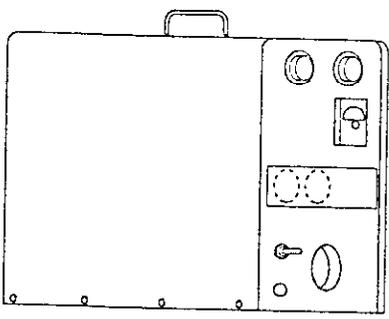
DISTRIBUTION STATEMENT A. APPROVED FOR PUBLIC RELEASE; DISTRIBUTION IS UNLIMITED.

VENDOR ITEM DRAWING

PART NO. 04A048512

PMIC UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE 3 PLACE ± ±	CONTRACT NUMBER		DEPARTMENT OF THE ARMY U.S. ARMY ARMAMENT RESEARCH, DEVELOPMENT AND ENGINEERING CENTER ROCK ISLAND, ILLINOIS 61299-7300			
	CONTRACTOR					
	DRAWN BY L.C.MCFARLAND	DATE 11 MAR 98	FLOWMETER/REGULATOR FOR ARGON (VID)			
	CHECKER	ENGINEER				
	DRAWING APPROVAL		SIZE	CAGE CODE	04A048512	
	DESIGN APPROVAL		A	59678		
MATL ENGR			SCALE	DO NOT	UNIT WT	SHEET

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	LTR	DESCRIPTION	DATE	APPROVED
			CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.		



- NOTES:
1. APPLICABLE STANDARDS/SPECIFICATION
 - A-- MIL-STD-100E
 - B-- UL-VO
 - C-- NEMA EW-3
 2. MATERIAL--
 3. PROTECTIVE FINISH--
 4. COLOR--
 5. SALIENT CHARACTERISTICS:
 - A-- CASE SHALL BE HEAT & SPATTER RESISTANT & CONFORM TO STANDARDS FOR FLAMABILITY RESISTANCE.
 - B-- THE CASE SHALL FIT EASILY THRU A 16" DIAMETER MANHOLE.
 - C-- OPERATION AT 250 AMPS(MINIMUM), W/REMOTE OR INTERNAL CONTACTOR.
 - D-- RANGE OF FEED: LOW 50-350 IPM, HIGH 50-700 IPM. ADJUSTABLE TO ARC VOLTAGE VARIANCE.
 - E-- FEED .023-.062 ALUMINUM, SOLID WIRE & .045-.0781 DIA STEEL, CORED WIRE.
 - F-- HAVE 2" SPINDLE TO SUPPORT 12", 30# SPOOLS.
 6. FURNISHED WITH: DRIVE ROLL KITS FOR ALUMINUM SOLID WIRE & FOR STEEL CORED WIRE SIZES .045-.052.
 7. SUGGESTED SOURCE(S) LISTED ON A VENDOR ITEM DRAWING ARE NOT INTENDED TO REPRESENT THE ONLY SOURCE(S) FOR THE ITEM.
 8. IDENTIFICATION OF THE SUGGESTED SOURCE(S) OF SUPPLY HEREON IS NOT TO BE CONSTRUED AS A GUARANTEE OF PRESENT OR CONTINUED AVAILABILITY AS A SOURCE OF SUPPLY FOR THE ITEM(S).

SUGGESTED SOURCE OF SUPPLY				
PART NO.	VENDOR	ADDRESS	CAGE CODE	VENDOR PART NO.
	GENEX	903-2nd Ave Rock Island, IL	ZZ	LN-25
			W/#(S) KP653-052C & 052S	
	S.J. SMITH	3707 W River Drive Davenport, IA	ZZ	LN-25
			W/#(S) KP653-052C & 052S	

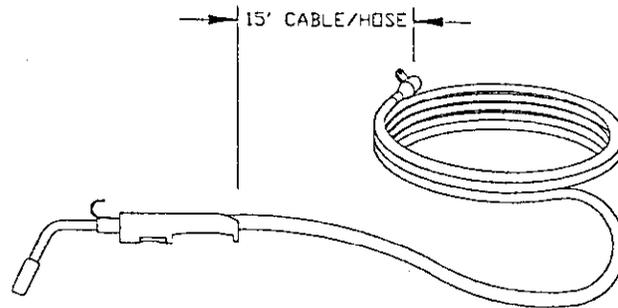
DISTRIBUTION STATEMENT A. APPROVED FOR PUBLIC RELEASE; DISTRIBUTION IS UNLIMITED.

VENDOR ITEM DRAWING

PART NO. 04A08701

PMIC	CONTRACT NUMBER		DEPARTMENT OF THE ARMY U.S. ARMY ARMAMENT RESEARCH, DEVELOPMENT AND ENGINEERING CENTER ROCK ISLAND, ILLINOIS 61299-7300		
	CONTRACTOR				
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE 3 PLACE	DRAWN BY	DATE	WIRE FEEDER		
	L.C.MCFARLAND	98-04-10			
	CHECKER	ENGINEER			
	DRAWING APPROVAL STEVE MARRIOTT		SIZE	CAGE CODE	04A048701
	DESIGN APPROVAL BOB RIEDL		A	59678	
MATL ENGR			SCALE	UNIT WT	SHEET

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	LTR	DESCRIPTION	DATE	APPROVED
			CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.		



NOTES:

1. APPLICABLE STANDARDS/SPECIFICATION
A- MIL-STD-100E
2. MATERIAL-
3. PROTECTIVE FINISH-
4. COLOR-
5. SALIENT CHARACTERISTICS
A- CAPACITY: MINIMUM 250 AMPERES, AIR COOLED
B- 15' COAXIAL POWER CONTROLS CABLE, GAS PATH AND WIRE LINER.
C- FURNISHED WITH: MANUAL TRIGGER CONTROL FOR GAS, AND WIRE FEED.
6. TO BE USED WITH WIRE FEEDER, DWG 48701.
7. SUGGESTED SOURCE(S) LISTED ON A VENDOR ITEM DRAWING ARE NOT INTENDED TO REPRESENT THE ONLY SOURCE(S) FOR THE ITEM.
8. IDENTIFICATION OF THE SUGGESTED SOURCE(S) OF SUPPLY HEREON IS NOT TO BE CONSTRUED AS A GUARANTEE OF PRESENT OR CONTINUED AVAILABILITY AS A SOURCE OF SUPPLY FOR THE ITEM(S).

SUGGESTED SOURCE OF SUPPLY				
PART NO.	VENDOR	ADDRESS	CAGE CODE	VENDOR PART NO.
	GENEX	903-2nd Ave Rock Island, IL	ZZ	K471-1 W/ # K466-1
	S.J. SMITH	3707 W RIVER DRIVE DAVENPORT, IA	ZZ	K471-1 W/ # K466-1

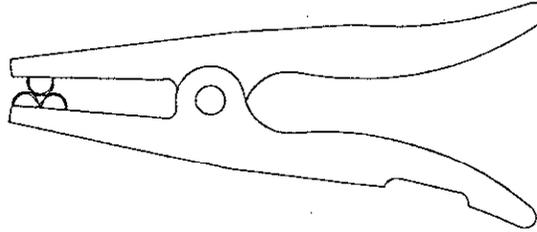
DISTRIBUTION STATEMENT A. APPROVED FOR PUBLIC RELEASE; DISTRIBUTION IS UNLIMITED.

VENDOR ITEM DRAWING

PART NO. 04A08702

PMIC	CONTRACT NUMBER		DEPARTMENT OF THE ARMY U.S. ARMY ARMAMENT RESEARCH, DEVELOPMENT AND ENGINEERING CENTER ROCK ISLAND, ILLINOIS 61299-7300		
	CONTRACTOR				
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE 3 PLACE	DRAWN BY L.C.MCFARLAND	DATE 98-04-10	MIG GUN ALUMINUM		
	CHECKER	ENGINEER			
MATL ENGR	DRAWING APPROVAL STEVE MARRIOTT		SIZE A	CAGE CODE 59678	04A048702
	DESIGN APPROVAL BOB RIEDL		SCALE	UNIT WT	SHEET

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	LTR	DESCRIPTION	DATE	APPROVED
			CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.		



NOTES:

1. APPLICABLE STANDARDS/SPECIFICATION
A- MIL-STD-100E
2. MATERIAL-
3. PROTECTIVE FINISH-
4. COLOR-
5. SALIENT CHARACTERISTICS
A- CAPACITY: 300 AMPs
B- SCREW CLAMP FOR ATTACHING #1 CABLE.
C- MANUAL SPRING CLAMP RELEASE
6. TO BE USED WITH ARC WELD, SHORT LEADERS AND LONG REEL CABLE.
7. SUGGESTED SOURCE(S) LISTED ON A VENDOR ITEM DRAWING ARE NOT INTENDED TO REPRESENT THE ONLY SOURCE(S) FOR THE ITEM.
8. IDENTIFICATION OF THE SUGGESTED SOURCE(S) OF SUPPLY HEREON IS NOT TO BE CONSTRUED AS A GUARANTEE OF PRESENT OR CONTINUED AVAILABILITY AS A SOURCE OF SUPPLY FOR THE ITEM(S).

SUGGESTED SOURCE OF SUPPLY				
PART NO.	VENDOR	ADDRESS	CAGE CODE	VENDOR PART NO.
	MCMASTER CARR	CHICAGO, IL 1-630-833-0300	ZZ	7838A11
	S.J. SMITH	3707 W RIVER DRIVE DAVENPORT, IA	ZZ	EG-300

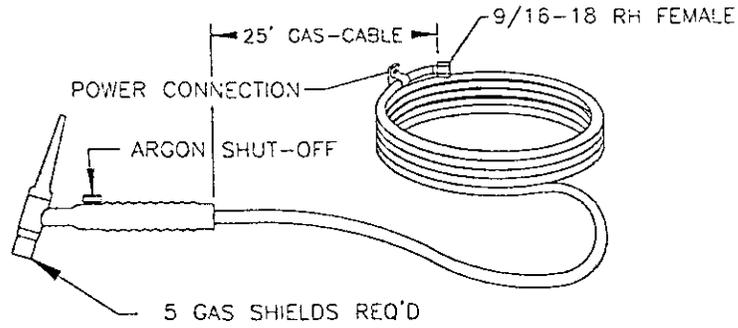
DISTRIBUTION STATEMENT A. APPROVED FOR PUBLIC RELEASE; DISTRIBUTION IS UNLIMITED.

VENDOR ITEM DRAWING

PART NO. 04A08703

PMIC	CONTRACT NUMBER		DEPARTMENT OF THE ARMY U.S. ARMY ARMAMENT RESEARCH, DEVELOPMENT AND ENGINEERING CENTER ROCK ISLAND, ILLINOIS 61299-7300		
	CONTRACTOR				
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE 3 PLACE	DRAWN BY L.C.MCFARLAND	DATE 98-04-10	GROUND CLAMP 2 REQ'D.		
	CHECKER	ENGINEER			
MATL ENGR	DRAWING APPROVAL STEVE MARRIOTT		SIZE A	CAGE CODE 59678	04A048703
	DESIGN APPROVAL BOB RIEDL		SCALE	UNIT WT	SHEET

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	LTR	DESCRIPTION	DATE	APPROVED
			CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.		



NOTES:

1. APPLICABLE STANDARDS/SPECIFICATION
A- MIL-STD-100E
2. MATERIAL-
3. PROTECTIVE FINISH-
4. COLOR-
5. SALIENT CHARACTERISTICS
A- CAPACITY: 200 AMPERES, AIR COOLED
B- CO-AXIAL GAS HOSE AND ELECTRIC CABLE FEED
C- FURNISHED WITH: COLLET SET FOR 1/16", 3/32" & 1/8" ELECTRODES.
6. SUGGESTED SOURCE(S) LISTED ON A VENDOR ITEM DRAWING ARE NOT INTENDED TO REPRESENT THE ONLY SOURCE(S) FOR THE ITEM.
7. IDENTIFICATION OF THE SUGGESTED SOURCE(S) OF SUPPLY HEREON IS NOT TO BE CONSTRUED AS A GUARANTEE OF PRESENT OR CONTINUED AVAILABILITY AS A SOURCE OF SUPPLY FOR THE ITEM(S).

SUGGESTED SOURCE OF SUPPLY				
PART NO.	VENDOR	ADDRESS	CAGE CODE	VENDOR PART NO.
	GENEX	903-2nd Ave Rock Island, IL	ZZ	K861-7
	S.J. Smith	3707 W River Drive Davenport, IA	XX	K861-7

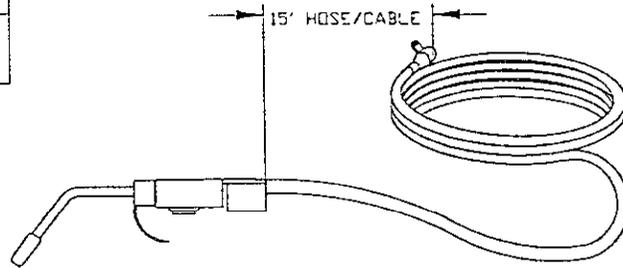
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VENDOR ITEM DRAWING

PART NO. 04A048704

PMIC	CONTRACT NUMBER		DEPARTMENT OF THE ARMY U.S. ARMY ARMAMENT RESEARCH, DEVELOPMENT AND ENGINEERING CENTER ROCK ISLAND, ILLINOIS 61299-7300		
	CONTRACTOR				
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE 3 PLACE		DRAWN BY L.C.MCFARLAND	DATE 98-04-10	TIG TORCH	
		CHECKER	ENGINEER		
		DRAWING APPROVAL STEVE MARRIOTT		SIZE A	CAGE CODE 59678
MATL ENGR		DESIGN APPROVAL BOB RIEDL		04A048704	
		SCALE		UNIT WT	SHEET

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	LTR	DESCRIPTION	DATE	APPROVED
			CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.		



NOTES:

1. APPLICABLE STANDARDS/SPECIFICATION
 - A- MIL-STD-100E
2. MATERIAL--
3. PROTECTIVE FINISH--
2. SALIENT CHARACTERISTICS
 - A- CAPACITY: 350 AMPERES, AIR COOLED
 - B- LINEAR: 15' COAXIAL POWER CONTROLS CABLE, GAS PATH AND WIRE LINER.
 - C- FURNISHED WITH: MANUAL TRIGGER CONTROL FOR GAS, AND WIRE FEED. CONNECTOR KIT P/N K466-1 (FOR 350 AMP GUN)
 - D- TO BE USED WITH WIRE FEEDER, DWG 48701.
3. SUGGESTED SOURCE(S) LISTED ON A VENDOR ITEM DRAWING ARE NOT INTENDED TO REPRESENT THE ONLY SOURCE(S) FOR THE ITEM.
4. IDENTIFICATION OF THE SUGGESTED SOURCE(S) OF SUPPLY HEREON IS NOT TO BE CONSTRUED AS A GUARANTEE OF PRESENT OR CONTINUED AVAILABILITY AS A SOURCE OF SUPPLY FOR THE ITEM(S).

SUGGESTED SOURCE OF SUPPLY				
PART NO.	VENDOR	ADDRESS	CAGE CODE	VENDOR PART NO.
	GENEX	903-2nd Ave Rock Island, IL	ZZ	K126-2
	S.J. SMITH	3707 W RIVER DRIVE DAVENPORT, IA	ZZ	K126-2

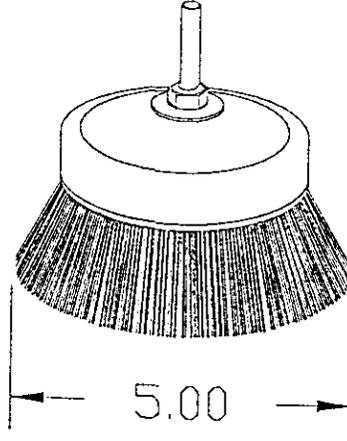
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VENDOR ITEM DRAWING

PART NO. 04A08706

PMIC UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE 3 PLACE	CONTRACT NUMBER		DEPARTMENT OF THE ARMY U.S. ARMY ARMAMENT RESEARCH, DEVELOPMENT AND ENGINEERING CENTER ROCK ISLAND, ILLINOIS 61299-7300		
	CONTRACTOR				
	DRAWN BY L.C.MCFARLAND	DATE 98-04-10	MIG GUN, STEEL		
	CHECKER	ENGINEER			
DRAWING APPROVAL STEVE MARRIOTT		SIZE A	CAGE CODE 59678	04A048706	
MATL ENGR	DESIGN APPROVAL BOB RIEDL		SCALE	UNIT WT	SHEET

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	LTR	DESCRIPTION	DATE	APPROVED
			CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.		



NOTES:

1. APPLICABLE STANDARDS/SPECIFICATION
A- MIL-STD-100E
2. MATERIAL:
3. PROTECTIVE FINISH:
4. COLOR:
5. SALIENT CHARACTERISTICS
 - A. THE BRUSH SHALL BE FURNISHED WITH A 5/8"-11 ARBOR.
 - B. THE WIRE SHALL BE .020 DIAMETER AND TRIMMED TO 1-1/2" LENGTH.
 - C. THE BRUSH SHALL BE CONSTRUCTED TO PERMIT USE AT 7000 RPM
6. SUGGESTED SOURCE(S) LISTED ON A VENDOR ITEM DRAWING ARE NOT INTENDED TO REPRESENT THE ONLY SOURCE(S) FOR THE ITEM.
7. IDENTIFICATION OF THE SUGGESTED SOURCE(S) OF SUPPLY HEREON IS NOT TO BE CONSTRUED AS A GUARANTEE OF PRESENT OR CONTINUED AVAILABILITY AS A SOURCE OF SUPPLY FOR THE ITEM(S).

SUGGESTED SOURCE OF SUPPLY				
PART NO.	VENDOR	ADDRESS	CAGE CODE	VENDOR PART NO.
XX	A.J. SMITH	3707 W. RIVER DRIVE	ZZ	71128
	319-324-5237	DAVENPORT, IA		
XX	PRAXAIR	903 2ND AVE	ZZ	XX
	309-788-4521	ROCK ISLAND, IL		
XX	MCMASTER CARR	CHICAGO, IL	ZZ	4872A14
	630-833-0300			
XX	GRANGER	961 E 53RD ST	ZZ	XX
	319-391-6015	DAVENPORT, IA 52807		

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VENDOR ITEM DRAWING

PART NO. 04A048807

PMIC UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE 3 PLACE	CONTRACT NUMBER		DEPARTMENT OF THE ARMY U.S. ARMY ARMAMENT RESEARCH, DEVELOPMENT AND ENGINEERING CENTER ROCK ISLAND, ILLINOIS 61299-7300		
	CONTRACTOR				
	DRAWN BY L.C.MCFARLAND	DATE 98-04-10	ROTARY WIRE BRUSH		
	CHECKER	ENGINEER			
	DRAWING APPROVAL STEVE MARRIOTT		SIZE A	CAGE CODE 59678	04A048807
MATL ENGR	DESIGN APPROVAL BOB RIEDL		SCALE	UNIT WT	SHEET