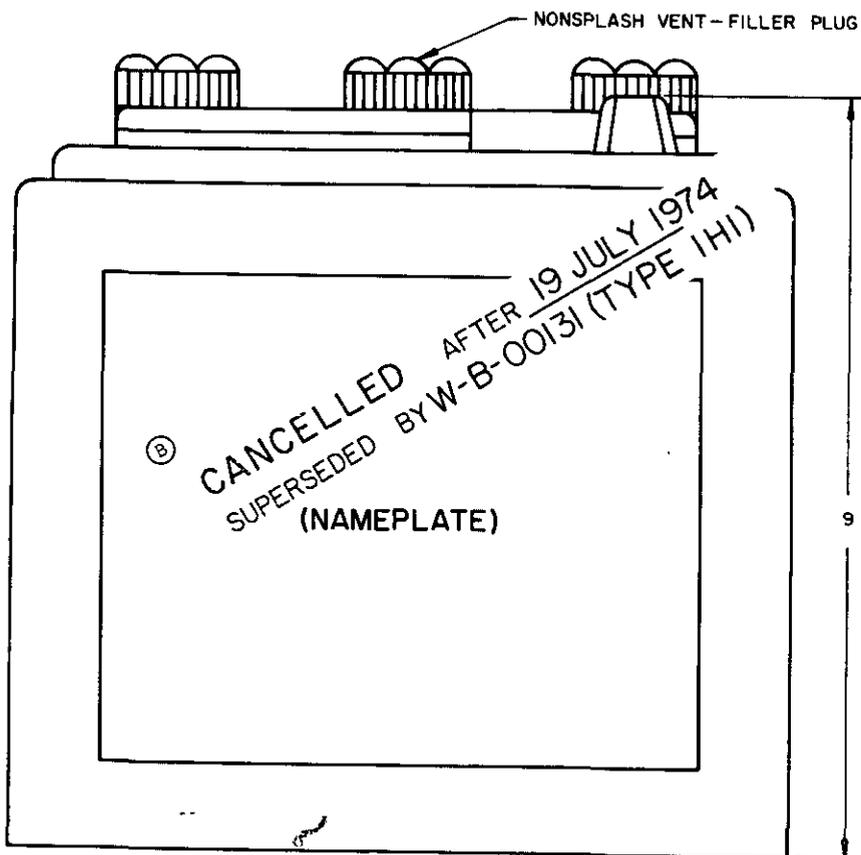
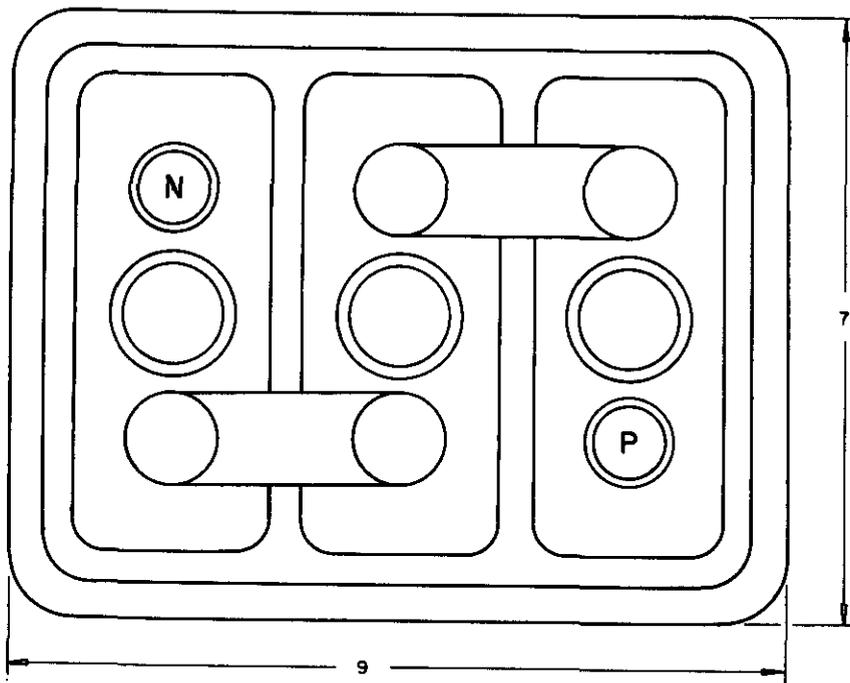


FED. SUP CLASS
6140



REVIEWER ACTIVITIES: ARMY-EL; NAVY-YD; AF-80
USER ACTIVITIES: ARMY-GL; NAVY-MC, SH

This military standard is approved by the Department of Defense and is mandatory on all activities. Selection for all new engineering and design applications and for repetitive use shall be made from this document.

APPROVED 17 MAY 1954 REVISED (A) 2 NOVEMBER 1965 (B) 19 JULY 1974

P.A. MO (ATAC) Other Cust NAVY - YD AF - 80	TITLE	MILITARY STANDARD
	BATTERY, STORAGE, LEAD-ACID PORTABLE, BB-49	MS 90901
PROCUREMENT SPECIFICATION MIL-B-11188	SUPERSEDES:	SHEET 1 OF 2

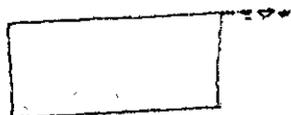
FED. SUP CLASS
6140

PHYSICAL AND ELECTRICAL REQUIREMENTS	
MS PART NUMBER	MS 90901-49
CLASS	FE
WEIGHT (FILLED)	39.2 POUNDS MAXIMUM
NOMINAL VOLTAGE	6 VOLTS
FINAL VOLTAGE AT 20-HOUR RATE	5.25 VOLTS
RATED CAPACITY AT 20-HOUR RATE	90 AMPERE-HOURS
DISCHARGE AT 20-HOUR RATE	4.5 AMPERES
CHARGING RATE	8.0 AMPERES

QUALIFICATION AND QUALITY CONFORMANCE INSPECTION	
TEST	MINIMUM VALUE
FILLED DISCHARGED AT 80°F	67.5 AMPERE-HOURS
FULL CHARGE CAPACITY AT 80°F	90.0 AMPERE-HOURS
LOW TEMP PERFORMANCE AT MINUS 40°F	22.5 AMPERE-HOURS
LIFE CYCLE CAPACITY TEST I	250 CYCLES
RETENTION OF CHARGE	63.0 AMPERE-HOURS
HIGH DISCHARGE RATE (300) AMPS AT MINUS 40°F	
TIME TO DROP 1 VOLT PER CELL	1.1 MINUTES
MINIMUM 5 SECOND VOLTAGE	3.2 VOLTS

NOTES:

1. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE $\pm 1/8$.
2. THE MS PART NUMBER CONSISTS OF THE MS MILITARY STANDARD NUMBER FOLLOWED BY A DASH NUMBER. THE DASH NUMBER "49" IS DERIVED FROM ASSIGNED NOMENCLATURE.
3. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.
4. FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.
5. THIS STANDARD IS NOT INTENDED TO LIMIT CONSTRUCTION TO FEATURES OTHER THAN AS SHOWN HEREON BY DIMENSIONS, NOTATIONS, OR REFERENCED DOCUMENTS.



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APPROVED 17 MAY 1954 REVISED (A) 2 NOVEMBER 1965 (B) FOR CHANGE SEE SHEET 1

P.A. MO (ATAC) Other Cust NAVY - YD AF - 80	TITLE BATTERY, STORAGE, LEAD-ACID PORTABLE, BB-49	MILITARY STANDARD MS 90901
PROCUREMENT SPECIFICATION MIL - B - 11188	SUPERSEDES:	SHEET 2