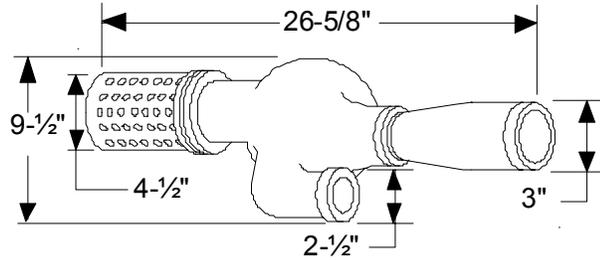


SECTION E

EDUCTOR - 1-1/2" NPSH
1-1/2" NPSH INLET x 2-1/2" NH OUTLET

NSN 4320-00-217-0938

WT. 20.0 lbs. **VOL.** 2,227.5 in³



DESCRIPTION: In eductors, the velocity of the high pressure water jet creates a vacuum which sucks additional water from the flooded compartment into the eductor combining chamber, where the high pressure stream picks it up and carries it along through the discharge hose. The total amount of water discharged is the entire capacity of the P-100 pump. All the water from the pump plus the water picked up from the compartment through the vacuum produced passes through the eductor. While it may appear that something is obtained for nothing, the action actually represents a conversion process in which a high pressure stream of a certain volume contains sufficient energy to move a water stream of larger volume against a lower pressure. This action, when compared to direct pumping, results in increased dewatering capacities at static discharge heads up to 55'.

USE: Used in dewatering operations to remove water from a flooded space. Used with 1-1/2 inch fire hose for supply and 2-1/2 inch fire hose for discharge for dewatering compartments in superstructure or spaces forward and aft of main/auxiliary engineering spaces not covered by the main and secondary drainage system. Valuable for pumping out compartments with fuels since eductor operation involves no fire/explosive hazard. Also used to remove water from compartments where the suction lift of a pump is exceeded. Used in connection with a P-100 pump if the suction lift is over 20'.

USE TIP: The eductor is attached to the lower end of the suction hose instead of the regular foot valve assembly. A built-in foot valve and strainer are part of the eductor. The 2-1/2" pressure hose from the three-way gate valve (which is attached to the discharge opening of the impeller housing) is connected to the pressure connection of the eductor.

The eductor must be fully submerged; otherwise severe damage could occur to the P-100 pump. The discharge from the pump unit through the eductor raises the water part of the distance to the pump, while the suction of the pump itself raises it the rest of the way. Thus, lifts of more than 20' may be accomplished. The pump must always be primed manually whenever the eductor is used. Capacity: 265 GPM.

To prime the pump manually:

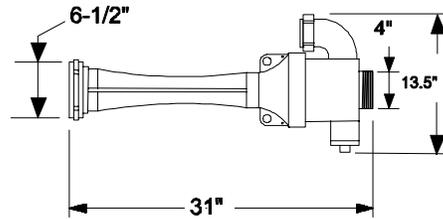
- Loosen the wing nut securing the manual priming lever and lift the lever.
- Fill the impeller housing and suction hose with water through the bowl.
- Close and lock the priming lever with the wing nut.
- Start the pump.

REF: Dewatering Equipment Kit.

EDUCTOR - PERI-JET
2-1/2" NH INLET x 4" OUTLET

NSN 4320-00-256-8206

WT. 35.0 lbs. **VOL.** 2,720.0 in³



DESCRIPTION: In eductors, the velocity of the high pressure water jet creates a vacuum which sucks additional water from the flooded compartment into the eductor combining chamber, where the high pressure stream picks it up and carries it along through the discharge hose. The total amount of water discharged is the entire capacity of the P-100 pump. All the water from the pump plus the water picked up from the compartment through the vacuum produced passes through the eductor. While it may appear that something is obtained for nothing, the action actually represents a conversion process in which a high pressure stream of a certain volume contains sufficient energy to move a water stream of larger volume against a lower pressure. This action, when compared to direct pumping, results in increased dewatering capacities at static discharge heads up to 55'.

USE: Used in dewatering operations with a portable pump or off the firemain to remove water and small debris from a flooded space. Used with the 2-1/2 inch fire hose for supply and the 4 inch hose for discharge. Can be used in engineering spaces to augment the main drainage system or other large compartments with significant flooding. Valuable for pumping out compartments with fuels since eductor operation involves no fire/explosive hazard.

USE TIP: The eductor must be fully submerged; otherwise severe damage could occur to the P-100 pump. The discharge from the pump unit through the eductor raises the water part of the distance to the pump, while the suction of the pump itself raises it the rest of the way. Thus, lifts of more than 20' may be accomplished. The pump must always be primed manually whenever the eductor is used.

To prime the pump manually:

- a. Loosen the wing nut securing the manual priming lever and lift the lever.
- b. Fill the impeller housing and suction hose with water through the bowl.
- c. Close and lock the priming lever with the wing nut.
- d. Start the pump.

In eductors, the velocity of the high pressure water jet creates a vacuum which sucks additional water from the flooded compartment into the eductor combining chamber, where the high pressure stream picks it up and carries it along through the discharge hose. Capacity 530 gpm, discharge head of 30 ft. A 50 ft. section of rope should be attached and wrapped around the body of the eductor for compact stowage.

REF: Dewatering Equipment Kit. Portable Pump Accessories Kit.

EEBD - EMERGENCY ESCAPE BREATHING DEVICE
32 MINUTE SUPPLY

NSN 4240-01-439-5937 EEBD (OCENCO M-20.2)
NSN 4240-01-459-0078 EEBD TRAINER

WT. TBD **VOL.** TBD

DESCRIPTION: The EEBD consists of a compressed oxygen unit, in a case, with mouthpiece, nose clip and an attached hood.

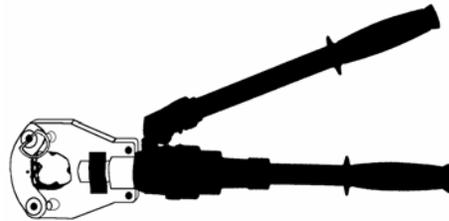
USE: Used only for escape from smoke and toxic atmospheres and provides oxygen to trapped personnel awaiting rescue in contaminated atmospheres. Provides 32 minutes of oxygen for the wearer. It can be donned in seconds; simply unlatch the case, pull out the unit, and insert the mouthpiece and attach the nose clip. The attached hood can be donned at anytime during the escape. The compressed oxygen and mouthpiece combination allows the EEBD to be donned in a smoke-filled environment.

USE TIP: The EEBD shall not be used for firefighting. The compact Oceanco M-20.2 EEBD can be belt-worn in all confined spaces.

REF: TBD

ELECTRICAL CABLE REPAIR -
CRIMPING TOOL - HYDRAULIC

NSN 5180-01-220-1807 – KIT, CRIMPING TOOL



WT. 60.0 lbs. **VOL.** 1,073.0 in³

DESCRIPTION: Hydraulic crimping tool . The copper color head denotes use with copper connectors only.

USE: The hydraulic compression tool (hand operated) is used to perform compression crimps from #8 through #750 MCM copper. The flip-top latch provides clear and easy removal from larger connectors and in limited spaces.

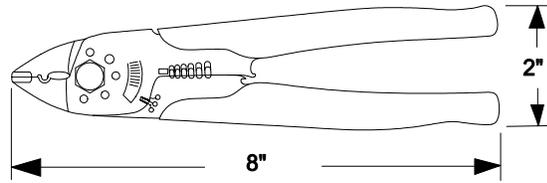
USE TIP: This NSN provides a complete kit. Note: Due to the high pressure produced by this tool, it is not to be used on aluminum connectors or cables.

REF: Electrical Cable Repair Kit.

**ELECTRICAL CABLE REPAIR -
CRIMPING TOOL**

NSN 5120-00-278-2423

WT. 0.5 lbs. **VOL.** 8.0 in³



DESCRIPTION: 8" combined crimping tool, wire stripper and cutter.

USE: Used to cut, strip and crimp insulated and non-insulated terminals and connectors No. 22 through No. 10.

USE TIP: It will cut No. 4 through No. 10 bolts while cleaning and reshaping threads.

REF: Electrical Cable Repair Kit.

**ELECTRICAL CABLE REPAIR
HYDRAULIC - OPER X SERV**

1HS0000-LL-CQA-0136

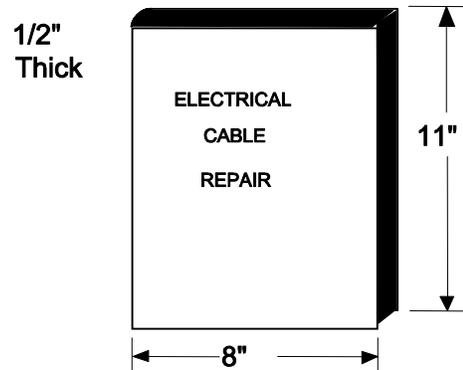
WT. 1.5 lbs. **VOL.** 46.8 in³

DESCRIPTION: Operator's Manual for electrical cable repair.

USE: Describes cable repair operations.

USE TIP: Read before performing cable repairs. Use only j

REF: Electrical Cable Repair Kit.



**ELECTRICAL CABLE REPAIR
MANUAL – KIT
ENCL X STOW**

1HS0000-LL-CQA-0135

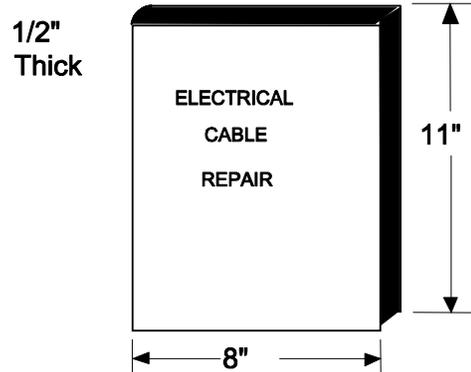
WT. 1.5 lbs. **VOL.** 46.8 in³

DESCRIPTION: Operator’s manual. Contains maintenance procedures, operating instructions, testing and repair procedures.

USE: Describes tool operation.

USE TIP: Read manual before using tool.

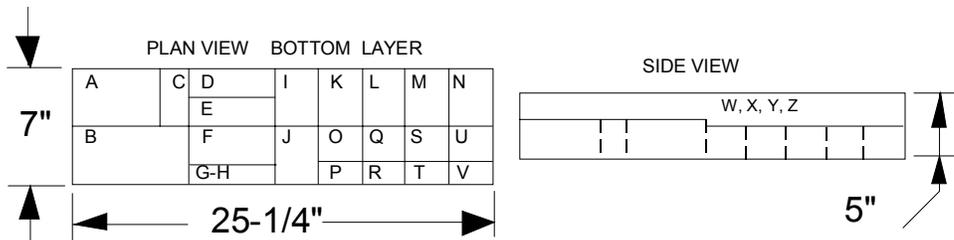
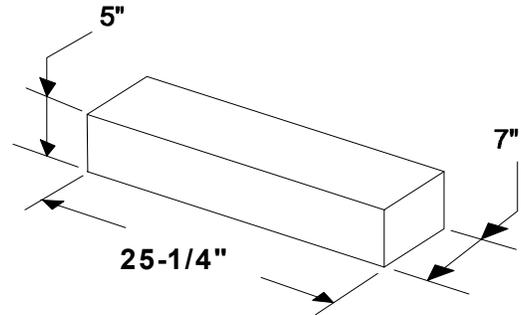
REF: Electrical Cable Repair Kit.



ELECTRICAL CABLE REPAIR - KIT

1HM0000-LL-CQA-2448 - KIT
1HS0000-LL-CQA-0131 – KIT, TOOL BOX

WT. 60.0 lbs. **VOL.** 883.7 in³



DESCRIPTION: Kit includes electrical cable repair parts stowed in a compartmentalized tool box for easy access.

USE: Kit required for damage control emergencies.

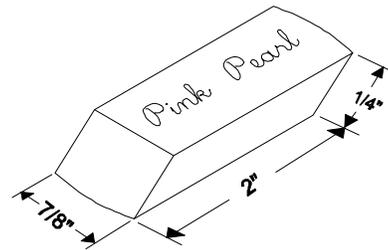
USE TIP: Stow items together. Label box with 2" high letters. Stow in Damage Control Repair Station No. 5. For replacement items see AEL listed below.

REF: Electrical Cable Repair Kit. Individual items are listed in AEL 2-88044-242 (also see NAVSEA Manual S5090-BL-DCB-010).

ERASER - RUBBER

NSN 7510-00-223-7046

WT. 1.0 oz **VOL.** 0.4 in³



DESCRIPTION: Rubber eraser.

USE: Used to remove carbon lead pencil.

USE TIP: Keep dry and away from grease, oil and dirt.

REF: Damage Control Petty Officer (DCPO) Kit.

EXTINGUISHER - FIRE, AFFF

2.5 gal

NSN 4210-01-147-1091 - EXTINGUISHER

NSN 4210-01-112-1097 - BRACKET

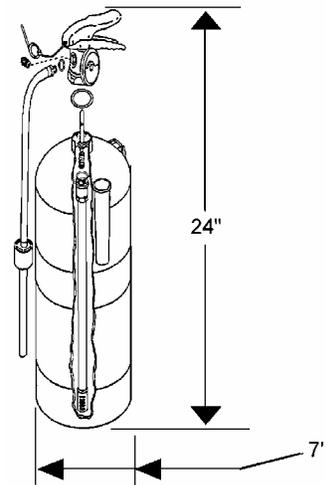
WT. 28.0 lbs. **VOL.** 1176.0 in.³

DESCRIPTION: 2.5 gallon AFFF extinguisher.

USE: Used primarily to smother small Class B (flammable liquid oil spray) fires.

USE TIP: Will replace one CO₂ 15 lb. portable extinguisher in the DCRS. For non W.T. critical ships, two (2) AFFF extinguishers will be added to each DCRS.

REF: Parent AEL

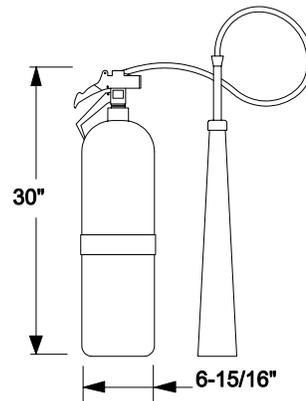


and

EXTINGUISHER - FIRE
CO₂ 15 LB. PORTABLE
SHIPBOARD USE

NSN 4210-00-203-0217 - MAGNETIC
0099-LL-H45-3077 - NON-MAGNETIC
4210-01-454-9161 - (15 LB)

WT. 50.0 lbs. **VOL.** 3000.0 in.³



DESCRIPTION: 15 lb portable CO₂ extinguisher with a squeeze-grip control device and standard charge design.

USE: Used as a local application extinguisher in locations where Class C (electrical) fires are possible.

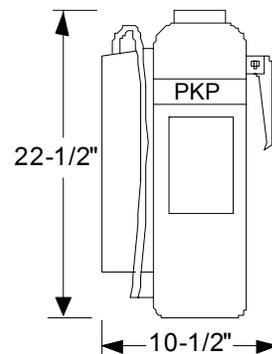
USE TIP: Stowed in passageway to provide immediate access.

REF: Parent AEL

EXTINGUISHER - FIRE
PKP - 18 LB. PORTABLE

NSN 4210-00-989-4589 - MAGNETIC
NSN 4210-00-935-1656 - NON-MAGNETIC

WT. 52.5 lbs. **VOL.** 3,632.8 in.³



DESCRIPTION: Hand actuated, portable extinguisher for purple powder, potassium bicarbonate dry chemical extinguishing agent. that is charged and rechargeable with mounting brackets. 18 lb capacity.

USE: Used primarily on Class B (flammable liquid and oil spray) fires with a minimum effective range of 19 ft.

USE TIP: Stowed in passageway to provide immediate access.

REF: Parent AEL
