

Shipment and Storage Instructions for the 600 GPH ROWPU

Special Packaging Instruction (SPI) Part or Drawing No.:

13225E8940	NSN 4610-01-420-7546
13222E5235	NSN 4610-01-420-7547
13226E0121	NSN 4610-01-420-7548
13229E0510	
13229E0001	
3269200	
3269209	
3269211	
3269862	
424-RA	
424-RB	
M10KY102	

SPECIAL PACKAGING INSTRUCTION

Form Approved

OMB No. 0704-0188

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1. PART OR DRAWING NO. 13225E8940			2. CODE INDENT 0AK83		3. SPI NO.	
4. NATIONAL STOCK NO. 4610-01-420-7546			5. DATE SUBMITTED (YYMMDD) 11/21/97		6. REVISION	
7. QUP 001	8. ICQ	9. UNIT PACK WT. 6057	10. UNIT PACK CU 367		11. UNIT PACK SIZE 114.5" x 67" x 83"	
12. PRESERVATION			18 STEPS	19 REQD	20. DESCRIPTION	
a. LEVEL A MIL-W-52960A					Tape - MIL-T-22085, Type II Preservative - MIL-P-116, Type P-20	
b. LEVEL B N/A					Preservative - MIL-P-116, P-10, Type 1, Grade 30 Tape - PPP-T-76	
13. CLEANING MIL-P-116J					Barrier Material-PPP-B-1055, Class B-2 or MIL-B-121, Type 1 Boxes - PPP-B-636	
14. DRYING N/A					Sleeve - 6 mil polyethylene Box - PPP-B-601, domestic, Style 1	
15. PACKING					Strapping - QQ-S-781 Boxes - MIL-C-104, overseas type, style optional	
a. LEVEL A MIL-W-52960A						
b. LEVEL B N/A						
16. MARKING MIL-STD-129						

17. NOTES / DRAWING

- Step 1. Open all valves on RO to allow unit to drain. Close Valves. Install all pipe caps or plugs.
- Step 2. Drain RO Pump. Seal all motor openings with MIL-T-22085, Type II tape.
- Step 3. Drain Chemical Feed Pump. Fill pump housing with operating oil to which has been added 4 ounces per gallon of rust preventative(MIL-P-116, Type P-20, Grade optional). Actuate pumps to assure coating of all surfaces within the housing. Seal all remaining openings with MIL-T-22085, Type II tape. Place hose ends in mixing stand.
- Step 4. Remove couplings from distribution and raw water pumps. Stow in storage chests. Drain pumps and allow to dry. Coat by spray or fog all interior surfaces of pump with MIL-P-116, P-10, Type 1, Grade 30 preservative. Slowly Slowly actuate pumps to insure complete coverage. Close draincocks. Install coupling plugs. Seal all remaining motor openings with MIL-T-22085, Type II tape. Coil electrical cords to minimum diameter and secure to pump.
- Step 5. Remove couplings and strainer from backwash pump. Stow couplings in storage chest. Drain pump and allow to dry. Coat by spray or fog all interior surfaces of pump with MIL-P-116, P-10, Type 1, Grade 30 preservative. Slowly actuate pumps to insure complete coverage. Close draincocks. Install coupling plugs. Seal all remaining openings with MIL-T-22085, Type II tape. Secure strainer to pump with provided straps. Coil electrical cord to minimum diameter and secure to pump.
- Step 6. Remove couplings from Control Panel. Stow in chests. Install all coupling plugs and electrical covers on unit.
- Step 7. Drain all hoses. Coil to minimum diameter. Install caps plugs on hose ends.
- Step 8. Preserve technical publications in accordance with MIL-P-116, method IC-1, or IC-3.
- Step 9. Preserve all hand tools in accordance with PPP-P-40, level A.

SPECIAL PACKAGING INSTRUCTION (Continuation Sheet)

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Step 10. Preserve tool case in accordance with MIL-P-116, method IC-1 or IC-3.

Step 11. Coil extension light to minimum size and secure with cotton tape or twine.

Step 12. Preserve nozzle and strainer in accordance with MIL-P-116, Method IC-1 or IC-3, or wrap with barrier material conforming to PPP-B-1055, Class B-2, or MIL-B-121, Type I, Grade A, Class 2. Secure barrier material with PPP-T-76 tape.

Step 13. Place all color components of comparator into case provided. Place case in a close-fitting box conforming to PPP-B-636, W6c, style optional. Box closure to conform to Method V.

Step 14. Preserve Total Dissolved Solids Meter in accordance with MIL-P-116, method 11b. Place in inner container conforming to PPP-B-636, Type CF, Class domestic, Variety SW, Grade 125, Style optional. Outer container shall be in accordance with MIL-P-116 method V.

Step 15. Preserve flashlight in accordance with MIL-P-116, method IC-2 using vendors carton or a box conforming to PPP-B-636, Type CF, Class domestic, Variety SW, Grade 125, Style optional.

Step 16. Secure each gate valve in a close-fitting box conforming to PPP-B-636, W6c, Style RSC. The box closure shall conform to method V.

Step 17. Place each element in 6 mil polyethylene sleeve containing a preservative solution to preserve the membrane and prevent bacteriological growth. Heat seal the sleeve. Place each sleeve in a second 6 mil polyethylene sleeve and seal. Place each element in a close fitting end opening box conforming to PPP-B-636-V3c. Place elements (quantities of eight) in close fitting boxes conforming to PPP-B-601, domestic type, Style 1.

Step 18. Preserve lamps in accordance with MIL-P-116, method IC-2 using the box provided as the container.

Step 19. Preserve all cargo straps not used in securing equipment in accordance with MIL-P-116, method IC-1 or IC-3.

Step 20. All components identified for packaging in chests shall be placed in the applicable chest in accordance with the loading plan on chest's lid. After all parts are placed in the correct location, close lid and secure latch.

Step 21. Place raw water pump covers in place over pump. Place raw water pumps in assigned location. Secure with provided straps. (See Figure 1)

Step 22. Install backwash pump cover. Place backwash pump in assigned location. Secure with provided straps. (See Figure 1)

Step 23. Stack coiled fabric hoses behind backwash pump to level of backwash pump frame. (See Figure 1)

Step 24. Place remaining fabric hoses between stack of fabric hoses and multimedia filter. (See Figure 1)

Step 25. Place stakes, element puller, double faced hammer, paddle, and wellpoining assemblies on floor along backwash pump. (See Figure 1)

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Step 26. Place tank assemblies on floor of unit between backwash pump and high pressure pump. (See Figure 1)

Step 27. Place filter tubes in overhead storage box. Close and latch door.

Step 28. Place Storage Chest on Raw Water Pump and stacked hoses. Secure with straps. (See Figure 1)

Step 29. Place Storage Chest on Raw Water Pump. Secure with straps. (See Figure 1)

Step 30. Place float, pails, and deionization purification cartridges on tank assemblies. (See Figure 1)

Step 31. Thread rubber hoses(10' length) through framework beneath pressure tubes. Position hose ends behind chemical feed pump. Secure in place. (See Figure 1)

Step 32. Coil remaining rubber hoses and stack on top of tools, chests, and pump. (See Figure 1)

Step 33. Install 3 ratchet straps over load.

Step 34. Install 2 cross braces across opening at front of unit.

Step 35. Secure grounding rod to frame on side of unit. (See Figure 2)

Step 36. Position Reverse Osmosis Unit cover over unit and secure straps to frame.

Step 37. Construct crate over reverse osmosis unit in accordance with MIL-C-104, type 1, class 2, style a.
Crate shall be minimum size required to fit over and completely inclose the water purification structure.

Step 37. Place cover over distribution pump.

Step 38. Enclose distribution pump in close fitting box in accordance with PPP-B-601, overseas type, sttle optional.

Step 39. Place chemical feed cans in chemical feed can rack. Strap cans into rack.

Step 40. Enclose chemical feed can rack in close fitting box in accordance with PPP-B-601, overseas type, style optional.

Step 41. Consolidate boxes containing elements into stack 4 boxes wide x 2 boxes high.

Step 42. Enclose elements in a close fitting box in accordance with PPP-B-601, overseas type, style optional.

Step 43. Consolidate containers of calcium hypochlorite. Enclose in a close fitting box in accordance with PPP-B-601, overseas type, style optional.

SPECIAL PACKAGING INSTRUCTION (Continuation Sheet)

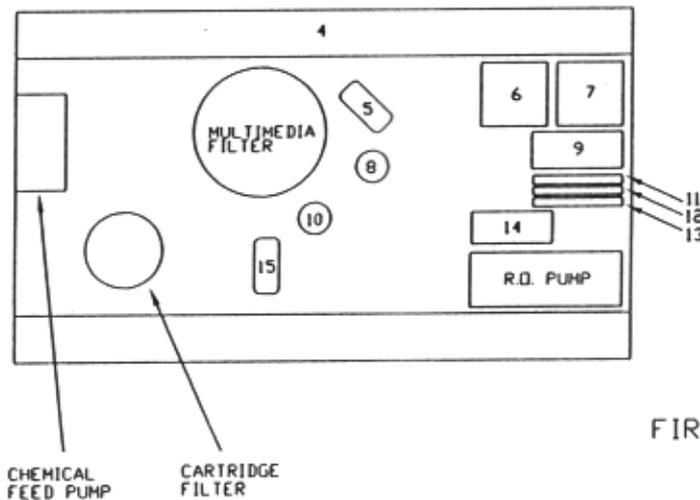
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Figure 1.

- | | |
|---------------------------------------|-----------------------------|
| 1. N/A | 13. Sledgehammer |
| 2. N/A | 14. Water Tank |
| 3. N/A | 15. Water Tank |
| 4. Hoses: 1 1/2-inch Suction | 16. Storage Chest |
| 5. Hoses: 2-inch Canvas Discharge | 17. Storage Chest |
| 6. Raw Water Pump | 18. Float |
| 7. Raw Water Pump | 19. Stakes |
| 8. Hoses: 1 1/2-inch Canvas Discharge | 20. Wellpoint Assembly |
| 9. Backwash Pump | 21. Water Tank |
| 10. Utility Pails | 22. Deionization Cartridges |
| 11. R.O. Element Tool | 23. Hoses: 2-inch Suction |
| 12. Paddle | |



FIRST LAYER (BOTTOM)

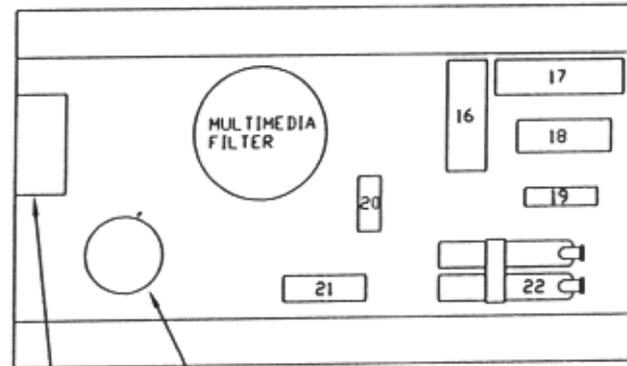
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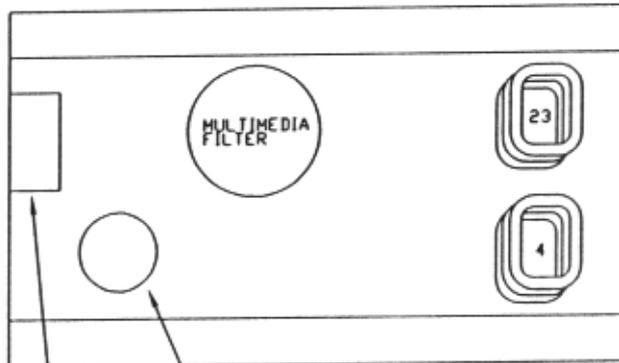
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Figure 1. Cont.



CHEMICAL FEED PUMP
CARTRIDGE FILTER

SECOND LAYER (MIDDLE)



CHEMICAL FEED PUMP
CARTRIDGE FILTER

THIRD LAYER (TOP)

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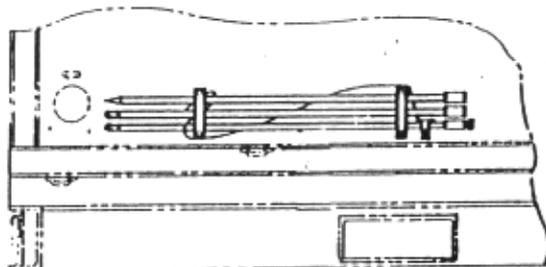
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Figure 2.



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7. QUP 001		8. ICQ		9. UNIT PACK WT. 14800		10. UNIT PACK CU 1229	
11. UNIT PACK SIZE 228" x 97" x 96							
12. PRESERVATION				18 STEPS		19 REQD	
				20. DESCRIPTION			
a. LEVEL A MIL-W-52960A				Tape - MIL-T-22085, Type II			
b. LEVEL B N/A				Preservative - MIL-P-116, Type P-20			
13. CLEANING MIL-P-116J				Preservative - MIL-P-116, P-10, Type 1, Grade 30			
14. DRYING N/A				Tape - PPP-T-76			
15. PACKING				Barrier Material -PPP-B-1055,Class B-2 or MIL-B-121,Type 1			
a. LEVEL A MIL-W-52960A				Boxes - PPP-B-636			
b. LEVEL B N/A				Sleeve - 6 mil polyethylene			
16. MARKING MIL-STD-129				Box - PPP-B-601, domestic, Style 1			
17. NOTES / DRAWING				Strapping - QQ-S-781			
Step 1. Open all valves on RO to allow unit to drain. Close Valves. Install all pipe caps or plugs.							
Step 2. Drain RO Pump. Seal all motor openings with MIL-T-22085, Type II tape.							
Step 3. Drain Chemical Feed Pump. Fill pump housing with operating oil to which has been added 4 ounces per gallon of rust preventative(MIL-P-116, Type P-20, Grade optional). Actuate pumps to assure coating of all surfaces within the housing. Seal all remaining openings with MIL-T-22085, Type II tape. Place hose ends in mixing stand.							
Step 4. Remove couplings from distribution and raw water pumps. Stow in storage chests. Drain pumps and allow to dry. Coat by spray or fog all interior surfaces of pump with MIL-P-116, P-10, Type 1, Grade 30 preservative. Slowly Slowly actuate pumps to insure complete coverage. Close draincocks. Install coupling plugs. Seal all remaining motor openings with MIL-T-22085, Type II tape. Coil electrical cords to minimum diameter and secure to pump.							
Step 5. Remove couplings and strainer from backwash pump. Stow couplings in storage chest. Drain pump and allow to dry. Coat by spray or fog all interior surfaces of pump with MIL-P-116, P-10, Type 1, Grade 30 preservative. Slowly actuate pumps to insure complete coverage. Close draincocks. Install coupling plugs. Seal all remaining openings with MIL-T-22085, Type II tape. Secure strainer to pump with provided straps. Coil electrical cord to minimum diameter and secure to pump.							
Step 6. Remove couplings from Control Panel. Stow in chests. Install all coupling plugs and electrical covers on unit.							
Step 7. Drain all hoses. Coil to minimum diameter. Install caps plugs on hose ends.							
Step 8. Preserve technical publications in accordance with MIL-P-116, method IC-1, or IC-3.							
Step 9. Preserve all hand tools in accordance with PPP-P-40, level A.							

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Step 10. Preserve tool case in accordance with MIL-P-116, method IC-1 or IC-3.

Step 11. Coil extension light to minimum size and secure with cotton tape or twine.

Step 12. Preserve nozzle and strainer in accordance with MIL-P-116, Method IC-1 or IC-3, or wrap with barrier material conforming to PPP-B-1055, Class B-2, or MIL-B-121, Type I, Grade A, Class 2. Secure barrier material with PPP-T-76 tape.

Step 13. Place all color components of comparator into case provided. Place case in a close-fitting box conforming to PPP-B-636, W6c, style optional. Box closure to conform to Method V.

Step 14. Preserve Total Dissolved Solids Meter in accordance with MIL-P-116, method 11b. Place in inner container conforming to PPP-B-636, Type CF, Class domestic, Variety SW, Grade 125, Style optional. Outer container shall be in accordance with MIL-P-116 method V.

Step 15. Preserve flashlight in accordance with MIL-P-116, method IC-2 using vendors carton or a box conforming to PPP-B-636, Type CF, Class domestic, Variety SW, Grade 125, Style optional.

Step 16. Secure each gate valve in a close-fitting box conforming to PPP-B-636, W6c, Style RSC. The box closure shall conform to method V.

Step 17. Place each element in 6 mil polyethylene sleeve containing a preservative solution to preserve the membrane and prevent bacteriological growth. Heat seal the sleeve. Place each sleeve in a second 6 mil polyethylene sleeve and seal. Place each element in a close fitting end opening box conforming to PPP-B-636-V3c. Place elements (quantities of eight) in close fitting boxes conforming to PPP-B-601, domestic type, Style 1.

Step 18. Preserve lamps in accordance with MIL-P-116, method IC-2 using the box provided as the container.

Step 19. Preserve all cargo straps not used in securing equipment in accordance with MIL-P-116, method IC-1 or IC-3.

Step 20. All components identified for packaging in chests shall be placed in the applicable chest in accordance with the loading plan on chest's lid. After all parts are placed in the correct location, close lid and secure latch.

Step 21. Place raw water pump covers in place over pump. Place raw water pumps in assigned location. Secure with provided straps. (See Figure 1)

Step 22. Install backwash pump cover. Place backwash pump in assigned location. Secure with provided straps. (See Figure 1)

Step 23. Stack coiled fabric hoses behind backwash pump to level of backwash pump frame. (See Figure 1)

Step 24. Place remaining fabric hoses between stack of fabric hoses and multimedia filter. (See Figure 1)

Step 25. Place stakes, element puller, double faced hammer, paddle, and wellpiping assemblies on floor along backwash pump. (See Figure 1)

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- Step 26. Place tank assemblies on floor of unit between backwash pump and high pressure pump. (See Figure 1)
- Step 27. Place filter tubes in overhead storage box. Close and latch door.
- Step 28. Place Storage Chest on Raw Water Pump and stacked hoses. Secure with straps. (See Figure 1)
- Step 29. Place Storage Chest on Raw Water Pump. Secure with straps. (See Figure 1)
- Step 30. Place float, pails, and deionization purification cartridges on tank assemblies. (See Figure 1)
- Step 31. Thread rubber hoses(10' length) through framework beneath pressure tubes. Position hose ends behind chemical feed pump. Secure in place. (See Figure 1)
- Step 32. Coil remaining rubber hoses and stack on top of tools, chests, and pump. (See Figure 1)
- Step 33. Install 3 ratchet straps over load.
- Step 34. Install 2 cross braces across opening at front of unit.
- Step 35. Secure grounding rod to frame on side of unit. (See Figure 2)
- Step 36. Position Reverse Osmosis Unit cover over unit and secure straps to frame.
- Step 37. Place distribution pump on rear of trailer. Place cover over pump. (See Figure 1)
- Step 38. Place step on distribution pump. Strap pump and step in place. (See Figure 1)
- Step 39. Place chemical feed cans in chemical feed can rack. Strap cans into rack. Strap rack into place. (See Figure 1)
- Step 40. Consolidate boxes containing elements. Stack boxes on trailer 4 boxes wide x 2 boxes high. (See Figure 3)
- Step 41. Place calcium hypochlorite box on the stack of elements. Strap entire stack to trailer using QQ-S-781 strapping. (See Figure 3)
- Step 42. Construct box type cover consisting of end, sides, and top over basic unit in accordance with PPP-B-601, overseas type, style I, 3/8" thick plywood. Box cover shall be minimum size required to fit over and completely inclose the water purification structure. Cut sides of cover to follow contour of fender well area and shall not interfere with lifting and towing of unit. Secure cover to trailer using QQ-S-781 strapping.
- Step 43. Construct box type cover consisting of end, sides, and top for distribution pump in accordance with PPP-B-601, overseas type, style I box, 3/8" thick plywood. Box cover shall be minimum size required to fit over and completely inclose the distribution pump. Secure in place by nailing to cover of main unit.
- Step 44. Construct box type cover consisting of end, sides, and top for chemical pump can rack in accordance with PPP-B-601, overseas type, style I box, 3/8" thick plywood. Box cover shall be minimum size required to fit over and completely inclose the chemical feed can rack. Secure in place by nailing to cover of main unit.

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Step 45. Cover trailer cable assembly and brake hose connections assemblies with PPP-B-1055 barrier material and seal with PPP-T-76 tape. Attach ends of cable and air hose assemblies to trailer.

Step 46. Lube trailer in accordance with LO 10-4610-241-12/TO 40W4-13-43.

SPECIAL PACKAGING INSTRUCTION (Continuation Sheet)

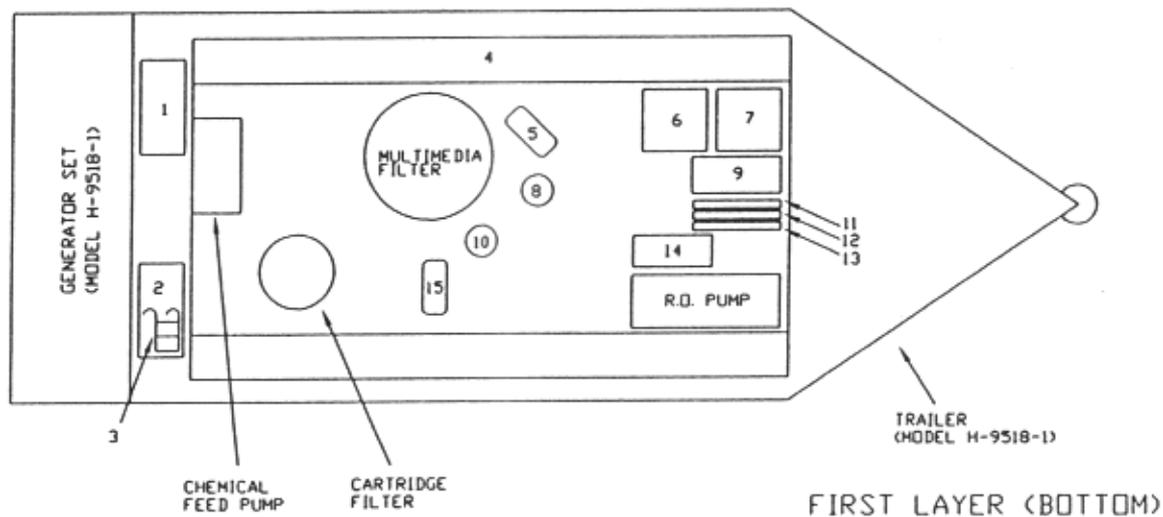
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Figure 1.

- | | |
|---------------------------------------|-----------------------------|
| 1. Chemical Feed Cans and Rack | 13. Sledgehammer |
| 2. Distribution Pump | 14. Water Tank |
| 3. Ladder (H-9518-1) | 15. Water Tank |
| 4. Hoses: 1 1/2-inch Suction | 16. Storage Chest |
| 5. Hoses: 2-inch Canvas Discharge | 17. Storage Chest |
| 6. Raw Water Pump | 18. Float |
| 7. Raw Water Pump | 19. Stakes |
| 8. Hoses: 1 1/2-inch Canvas Discharge | 20. Wellpoint Assembly |
| 9. Backwash Pump | 21. Water Tank |
| 10. Utility Pails | 22. Deionization Cartridges |
| 11. R.O. Element Tool | 23. Hoses: 2-inch Suction |
| 12. Paddle | |



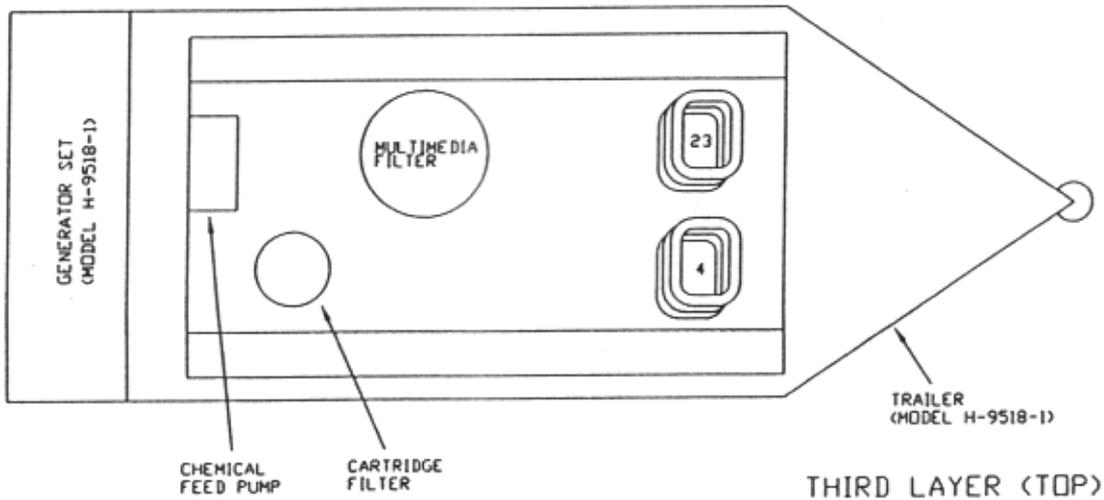
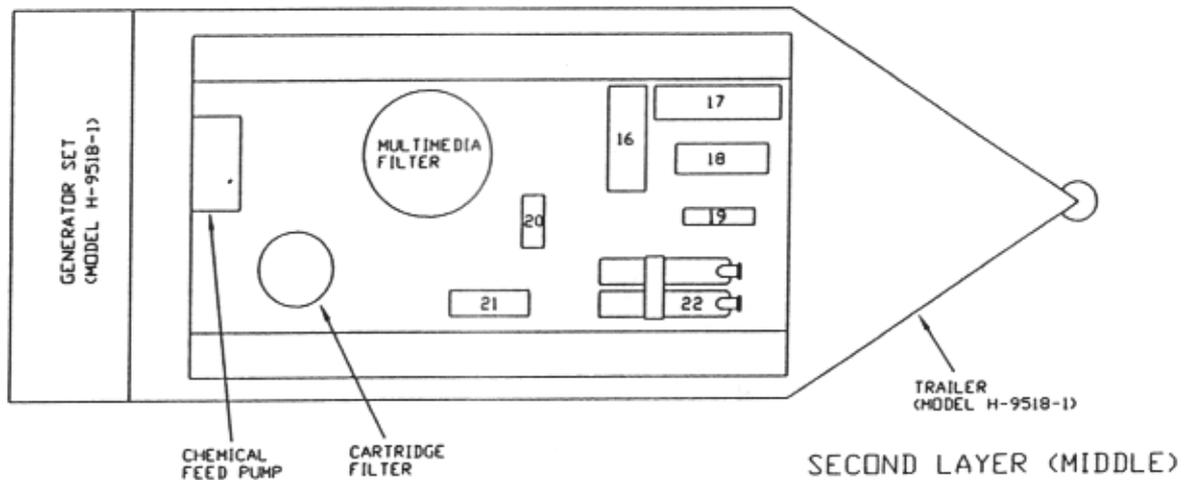
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1. PART OR DRAWING NO. 13222E5235	2. CODE IDENT 0AK83	3. SPI NO.
4. NATIONAL STOCK NO. 4610-01-420-7547	5. DATE SUBMITTED (YYMMDD) 11/21/97	6. REVISION

Figure 1. Cont.



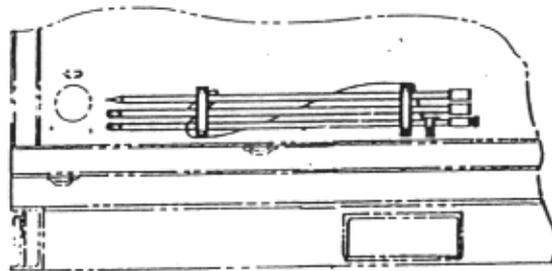
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Figure 2.



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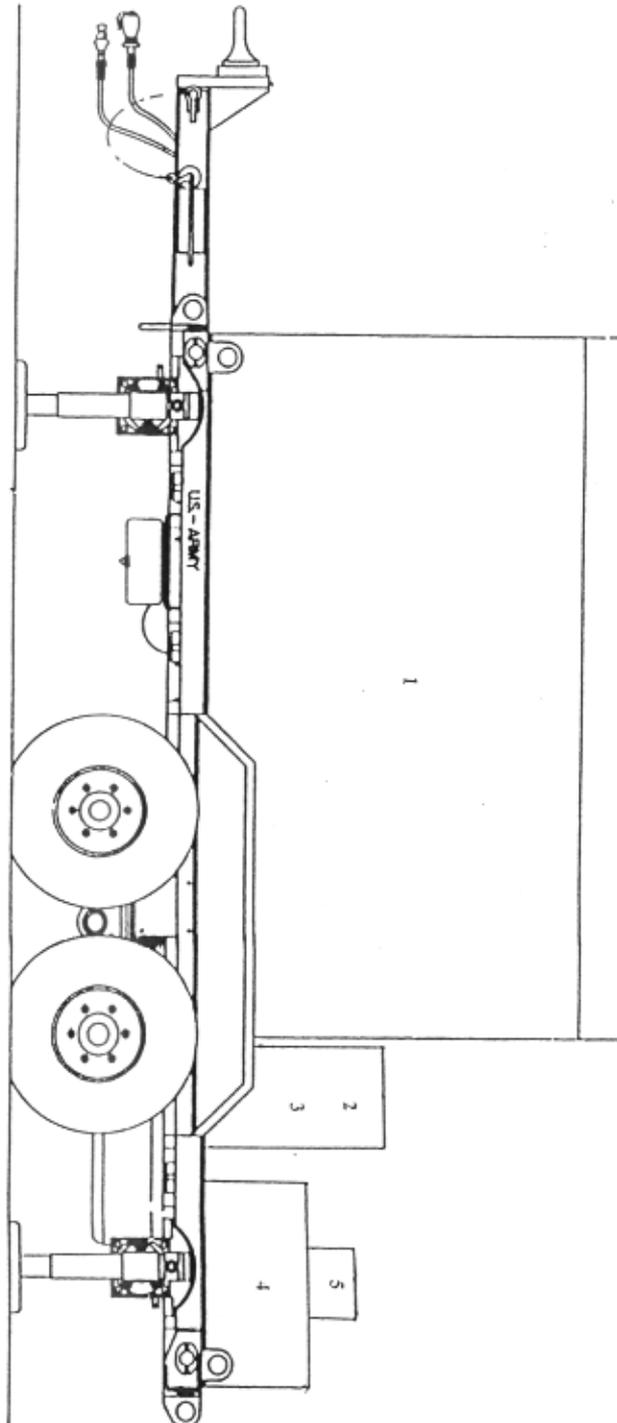
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Figure 3.

1. Reverse Osmosis Unit
2. Chemical Feed Cans and Rack
3. Distribution Pump
4. RO Elements
5. Calcium Hypochlorite



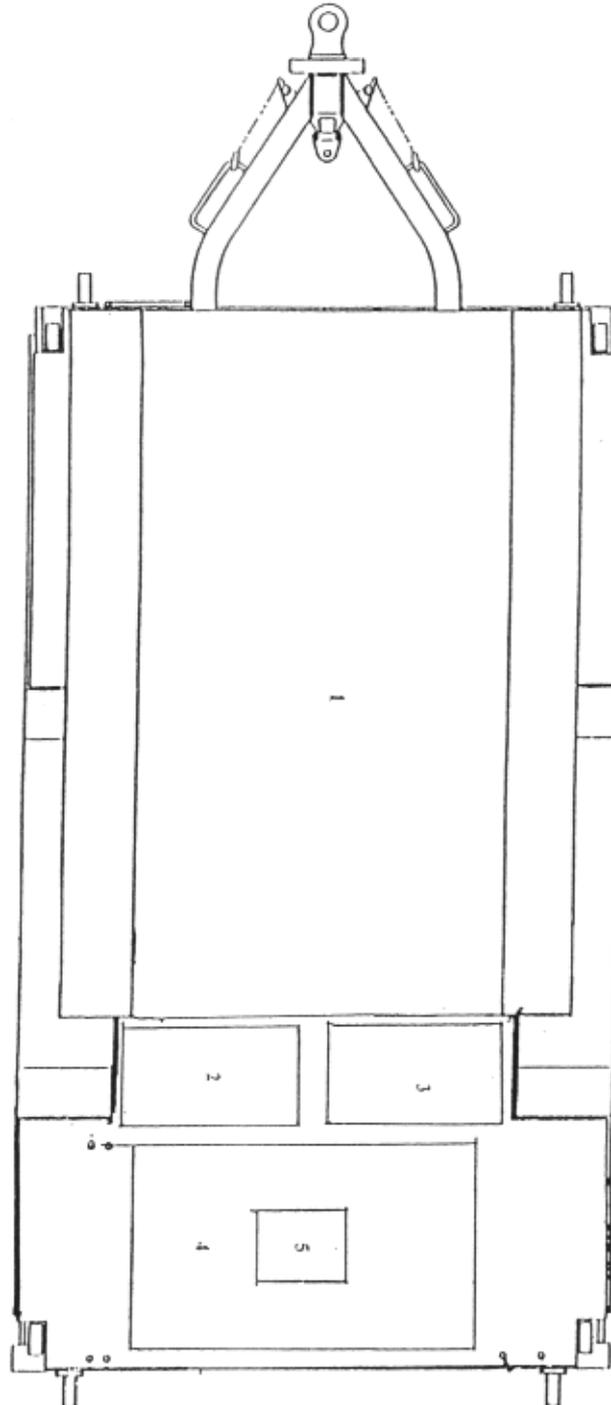
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Figure 3. Cont.



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1. PART OR DRAWING NO. 13226E0121		2. CODE INDENT 0AK83		3. SPI NO.	
4. NATIONAL STOCK NO. 4610-01-420-7548		5. DATE SUBMITTED (YYMMDD) 11/21/97		6. REVISION	
7. QUP 001	8. ICQ	9. UNIT PACK WT. 6057	10. UNIT PACK CU 367	11. UNIT PACK SIZE 114.5" x 67" x 83"	
12. PRESERVATION		18 STEPS	19 REQD	20. DESCRIPTION	
a. LEVEL A MIL-W-52960A				Tape - MIL-T-22085, Type II Preservative - MIL-P-116, Type P-20	
b. LEVEL B N/A				Preservative - MIL-P-116, P-10, Type 1, Grade 30 Tape - PPP-T-76	
13. CLEANING MIL-P-116J				Barrier Material-PPP-B-1055, Class B-2 or MIL-B-121, Type 1 Boxes - PPP-B-636	
14. DRYING N/A				Sleeve - 6 mil polyethylene Box - PPP-B-601, domestic, Style 1	
15. PACKING				Strapping - QQ-S-781 Boxes - MIL-C-104, overseas type, style optional	
a. LEVEL A MIL-W-52960A					
b. LEVEL B N/A					
16. MARKING MIL-STD-129					

17. NOTES / DRAWING
- Step 1. Open all valves on RO to allow unit to drain. Close Valves. Install all pipe caps or plugs.
 - Step 2. Drain RO Pump. Seal all motor openings with MIL-T-22085, Type II tape.
 - Step 3. Drain Chemical Feed Pump. Fill pump housing with operating oil to which has been added 4 ounces per gallon of rust preventative(MIL-P-116, Type P-20, Grade optional). Actuate pumps to assure coating of all surfaces within the housing. Seal all remaining openings with MIL-T-22085, Type II tape. Place hose ends in mixing stand.
 - Step 4. Remove couplings from distribution and raw water pumps. Stow in storage chests. Drain pumps and allow to dry. Coat by spray or fog all interior surfaces of pump with MIL-P-116, P-10, Type 1, Grade 30 preservative. Slowly Slowly actuate pumps to insure complete coverage. Close draincocks. Install coupling plugs. Seal all remaining motor openings with MIL-T-22085, Type II tape. Coil electrical cords to minimum diameter and secure to pump.
 - Step 5. Remove couplings and strainer from backwash pump. Stow couplings in storage chest. Drain pump and allow to dry. Coat by spray or fog all interior surfaces of pump with MIL-P-116, P-10, Type 1, Grade 30 preservative. Slowly actuate pumps to insure complete coverage. Close draincocks. Install coupling plugs. Seal all remaining openings with MIL-T-22085, Type II tape. Secure strainer to pump with provided straps. Coil electrical cord to minimum diameter and secure to pump.
 - Step 6. Remove couplings from Control Panel. Stow in chests. Install all coupling plugs and electrical covers on unit.
 - Step 7. Drain all hoses. Coil to minimum diameter. Install caps plugs on hose ends.
 - Step 8. Preserve technical publications in accordance with MIL-P-116, method IC-1, or IC-3.
 - Step 9. Preserve all hand tools in accordance with PPP-P-40, level A.

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4. NATIONAL STOCK NO. 4610-01-420-7548	5. DATE SUBMITTED (YYMMDD) 11/21/97	6. REVISION

Step 10. Preserve tool case in accordance with MIL-P-116, method IC-1 or IC-3.

Step 11. Coil extension light to minimum size and secure with cotton tape or twine.

Step 12. Preserve nozzle and strainer in accordance with MIL-P-116, Method IC-1 or IC-3, or wrap with barrier material conforming to PPP-B-1055, Class B-2, or MIL-B-121, Type I, Grade A, Class 2. Secure barrier material with PPP-T-76 tape.

Step 13. Place all color components of comparator into case provided. Place case in a close-fitting box conforming to PPP-B-636, W6c, style optional. Box closure to conform to Method V.

Step 14. Preserve Total Dissolved Solids Meter in accordance with MIL-P-116, method 11b. Place in inner container conforming to PPP-B-636, Type CF, Class domestic, Variety SW, Grade 125, Style optional. Outer container shall be in accordance with MIL-P-116 method V.

Step 15. Preserve flashlight in accordance with MIL-P-116, method IC-2 using vendors carton or a box conforming to PPP-B-636, Type CF, Class domestic, Variety SW, Grade 125, Style optional.

Step 16. Secure each gate valve in a close-fitting box conforming to PPP-B-636, W6c, Style RSC. The box closure shall conform to method V.

Step 17. Place each element in 6 mil polyethylene sleeve containing a preservative solution to preserve the membrane and prevent bacteriological growth. Heat seal the sleeve. Place each sleeve in a second 6 mil polyethylene sleeve and seal. Place each element in a close fitting end opening box conforming to PPP-B-636-V3c. Place elements (quantities of eight) in close fitting boxes conforming to PPP-B-601, domestic type, Style 1.

Step 18. Preserve lamps in accordance with MIL-P-116, method IC-2 using the box provided as the container.

Step 19. Preserve all cargo straps not used in securing equipment in accordance with MIL-P-116, method IC-1 or IC-3.

Step 20. All components identified for packaging in chests shall be placed in the applicable chest in accordance with the loading plan on chest's lid. After all parts are placed in the correct location, close lid and secure latch.

Step 21. Place raw water pump covers in place over pump. Place raw water pumps in assigned location. Secure with provided straps. (See Figure 1)

Step 22. Install backwash pump cover. Place backwash pump in assigned location. Secure with provided straps. (See Figure 1)

Step 23. Stack coiled fabric hoses behind backwash pump to level of backwash pump frame. (See Figure 1)

Step 24. Place remaining fabric hoses between stack of fabric hoses and multimedia filter. (See Figure 1)

Step 25. Place stakes, element puller, double faced hammer, paddle, and wellpiping assemblies on floor along backwash pump. (See Figure 1)

SPECIAL PACKAGING INSTRUCTION (Continuation Sheet)

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Step 26. Place tank assemblies on floor of unit between backwash pump and high pressure pump. (See Figure 1)

Step 27. Place filter tubes in overhead storage box. Close and latch door.

Step 28. Place Storage Chest on Raw Water Pump and stacked hoses. Secure with straps. (See Figure 1)

Step 29. Place Storage Chest on Raw Water Pump. Secure with straps. (See Figure 1)

Step 30. Place float, pails, and deionization purification cartridges on tank assemblies. (See Figure 1)

Step 31. Thread rubber hoses(10' length) through framework beneath pressure tubes. Position hose ends behind chemical feed pump. Secure in place. (See Figure 1)

Step 32. Coil remaining rubber hoses and stack on top of tools, chests, and pump. (See Figure 1)

Step 33. Install 3 ratchet straps over load.

Step 34. Install 2 cross braces across opening at front of unit.

Step 35. Secure grounding rod to frame on side of unit. (See Figure 2)

Step 36. Position Reverse Osmosis Unit cover over unit and secure straps to frame.

Step 37. Construct crate over reverse osmosis unit in accordance with MIL-C-104, type 1, class 2, style a.
Crate shall be minimum size required to fit over and completely inclose the water purification structure.

Step 37. Place cover over distribution pump.

Step 38. Enclose distribution pump in close fitting box in accordance with PPP-B-601, overseas type, sttle optional.

Step 39. Place chemical feed cans in chemical feed can rack. Strap cans into rack.

Step 40. Enclose chemical feed can rack in close fitting box in accordance with PPP-B-601, overseas type, style optional.

Step 41. Consolidate boxes containing elements into stack 4 boxes wide x 2 boxes high.

Step 42. Enclose elements in a close fitting box in accordance with PPP-B-601, overseas type, style optional.

Step 43. Consolidate containers of calcium hypochlorite. Enclose in a close fitting box in accordance with PPP-B-601, overseas type, style optional.

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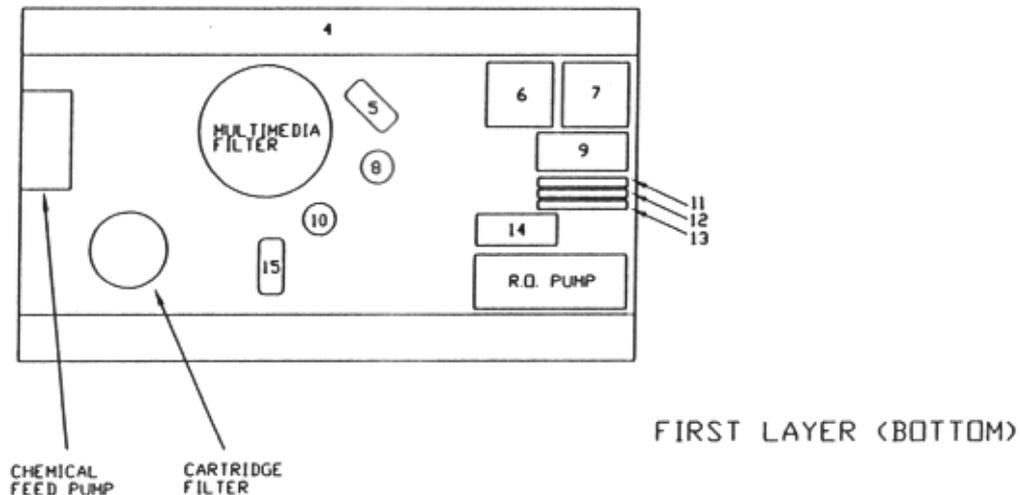
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Figure 1.

- | | |
|---------------------------------------|-----------------------------|
| 1. N/A | 13. Sledgehammer |
| 2. N/A | 14. Water Tank |
| 3. N/A | 15. Water Tank |
| 4. Hoses: 1 1/2-inch Suction | 16. Storage Chest |
| 5. Hoses: 2-inch Canvas Discharge | 17. Storage Chest |
| 6. Raw Water Pump | 18. Float |
| 7. Raw Water Pump | 19. Stakes |
| 8. Hoses: 1 1/2-inch Canvas Discharge | 20. Wellpoint Assembly |
| 9. Backwash Pump | 21. Water Tank |
| 10. Utility Pails | 22. Deionization Cartridges |
| 11. R.O. Element Tool | 23. Hoses: 2-inch Suction |
| 12. Paddle | |



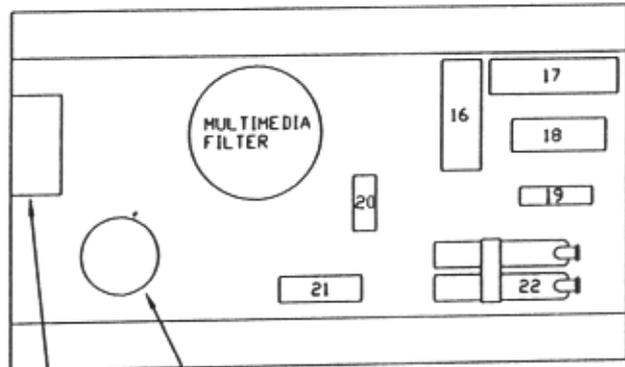
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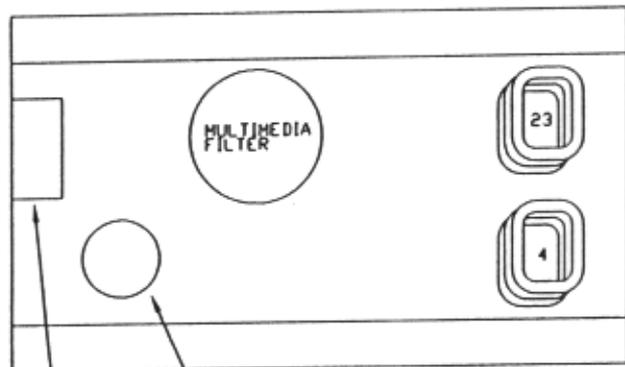
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Figure 1. Cont.



SECOND LAYER (MIDDLE)



THIRD LAYER (TOP)

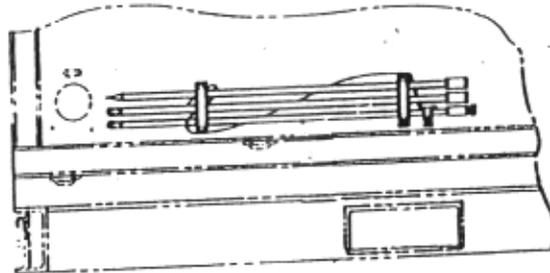
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Figure 2.



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1. PART OR DRAWING NO. 13229E0510		2. CODE INDENT 97403		3. SPI NO.	
4. NATIONAL STOCK NO.		5. DATE SUBMITTED (YYMMDD) 11/21/97		6. REVISION	
7. QUP 001	8. ICQ	9. UNIT PACK WT. 400 lbs	10. UNIT PACK CU 252	11. UNIT PACK SIZE 84" x 72" x 72"	

12. PRESERVATION		18 STEPS	19 REQD	20. DESCRIPTION
a. LEVEL A MIL-W-52960A				Tape - MIL-T-22085, Type II Box - PPP-B-636, Domestic
b. LEVEL B N/A				Box - PPP-B-601, Domestic, Style 1 Barrier Material - MIL-B-121, Type 1
13. CLEANING MIL-P-116J				Bag - MIL-B-117, Type 1, Class C, Style 3
14. DRYING N/A				
15. PACKING				
a. LEVEL A MIL-W-52960A				
b. LEVEL B N/A				
16. MARKING MIL-STD-129				

17. NOTES / DRAWING

Step 1. Seal ends of all hose assemblies with barrier material and tape.

Step 2. Seal wellpoint assembly in a MIL-B-117, Type 1, Class C, Style 3 bag.

Step 3. Seal wellpoint in a PPP-B-636, Style Domestic fiberboard box.

Step 4. Seal the following parts in individual PPP-B-636, Style Domestic fiberboard boxes.

- * MS49001-10
- * MSS-SP-80
- * MS51846-144
- * MS27024-12
- * 5002-316/2
- * MS27022-12
- * MS27028-12
- * MS14305-9U
- * 13229E0513

Step 5. Coil hoses to minimum diameter to fit box.

Step 6. Place the following items in bottom of PPP-B-601, domestic, style 1 box.

- * 13229E0512
- * MS49001-10
- * MSS-SP-80
- * MS51846-144
- * MS27024-12
- * 5002-316/2

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4. NATIONAL STOCK NO.	5. DATE SUBMITTED (YYMMDD) 11/21/97	6. REVISION

- * MS27022-12
- * MS27028-12
- * MS14305-9U
- * 13229E0513

Step 7. Stack the following coiled hoses on top boxes listed in Step 6.

- * 13229E0509-1
- * 13229E0509-2

Step 8. Block and brace as required.

Step 9. Seal box.

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1. PART OR DRAWING NO. 13229E0001		2. CODE INDENT 97403		3. SPI NO.	
4. NATIONAL STOCK NO.		5. DATE SUBMITTED (YYMMDD) 11/21/97		6. REVISION	
7. QUP 001	8. ICQ	9. UNIT PACK WT. 300	10. UNIT PACK CU 12.25	11. UNIT PACK SIZE 48" x 21" x 21"	

12. PRESERVATION	18 STEPS	19 REQD	20. DESCRIPTION
a. LEVEL A MIL-W-52960A			Tape - MIL-T-22085, Type II
			Box - PPP-B-636, Weather Resistant
b. LEVEL B N/A			Box - PPP-B-601, Domestic, Style 1
13. CLEANING MIL-P-116J			
14. DRYING N/A			
15. PACKING			
a. LEVEL A MIL-W-52960A			
b. LEVEL B N/A			
16. MARKING MIL-STD-129			

17. NOTES / DRAWING
- Step 1. Seal all opening with MIL-T-22085 tape. Seal following assembled items in a PPP-B-636 weather resistant box. Block and brace as needed.
- * MS35307-385
 - * MS35338-142
 - * 13229E0001-8
 - * 13229E0125
 - * C320966
 - * MS35307-143
 - * MS15795-817
 - * 13229E0028
 - * MS16995-81
 - * MS35338-141
 - * MS20066-208
 - * L-150
 - * MS51021-81
 - * MS20066-355
 - * LM01634
 - * MS14306-8W
 - * MS27026-12
 - * MS27030-6
- Step 2. Seal all opening with MIL-T-22085 tape. Seal following assembled items in a PPP-B-636 weather resistant box.
- * MS27021-12
 - * FF9311-36
 - * 13229E0001-14
 - * MS27025-12

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- * MS27030-6
- * MS27022-12
- * MS14305-9U
- * MS14315-5X
- * MS14315-26X
- * MS51846-158
- * 16-070102
- * 13229E0126
- * 20-16140140

Step 3. Place both sealed containers in a PPP-B-601 cleated wood box.

Step 4. Block and brace as required.

Step 5. Seal box.

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1. PART OR DRAWING NO. 3269200		2. CODE INDENT 71454		3. SPI NO.	
4. NATIONAL STOCK NO.		5. DATE SUBMITTED (YYMMDD) 11/21/97		6. REVISION	
7. QUP 001	8. ICQ 000	9. UNIT PACK WT. 5.0 lbs	10. UNIT PACK CU 0.203		11. UNIT PACK SIZE 10.0" x 7.0" x 5.0"

12. PRESERVATION		18 STEPS	19 REQD	20. DESCRIPTION
a. LEVEL A MIL-W-52960A				Unit Package - MIL-B-117, Type 1, Class C, Style 3 Box - PPP-B-636, Weather Resistant
b. LEVEL B N/A				
13. CLEANING MIL-P-116J				
14. DRYING N/A				
15. PACKING				
a. LEVEL A MIL-W-52960A				
b. LEVEL B N/A				
16. MARKING MIL-STD-129				

17. NOTES / DRAWING

- Step 1. Seal each part type in individual packages of MIL-B-117, Type I, Class C, Style 3.
- Step 2. Seal all packages in a PPP-B-636, Weather Resistant box.

SPECIAL PACKAGING INSTRUCTION

Form Approved
OMB No. 0704-0188

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1. PART OR DRAWING NO. 3269209			2. CODE INDENT 71454		3. SPI NO.
4. NATIONAL STOCK NO.			5. DATE SUBMITTED (YYMMDD) 11/21/97		6. REVISION
7. QUP 001	8. ICQ 000	9. UNIT PACK WT. 5.0 lbs	10. UNIT PACK CU 0.073		11. UNIT PACK SIZE 5.0" x 5.0" x 5.0"
12. PRESERVATION			18 STEPS	19 REQD	20. DESCRIPTION
a. LEVEL A MIL-W-52960A					Unit Package - MIL-B-117, Type 1, Class C, Style 3 Box - PPP-B-636, Weather Resistant
b. LEVEL B N/A					
13. CLEANING MIL-P-116J					
14. DRYING N/A					
15. PACKING					
a. LEVEL A MIL-W-52960A					
b. LEVEL B N/A					
16. MARKING MIL-STD-129					

17. NOTES / DRAWING

- Step 1. Seal each part type in individual packages of MIL-B-117, Type I, Class C, Style 3.
- Step 2. Seal all packages in a PPP-B-636, Weather Resistant box.

SPECIAL PACKAGING INSTRUCTION

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1. PART OR DRAWING NO. 3269211			2. CODE INDENT 71454		3. SPI NO.
4. NATIONAL STOCK NO.			5. DATE SUBMITTED (YYMMDD) 11/21/97		6. REVISION
7. QUP 001	8. ICQ 000	9. UNIT PACK WT. 10.0 lbs	10. UNIT PACK CU 0.149		11. UNIT PACK SIZE 8.0" x 8.0" x 4.0"
12. PRESERVATION			18 STEPS	19 REQD	20. DESCRIPTION
a. LEVEL A MIL-W-52960A					Cushion Material - PPP-C-795 Unit Package - MIL-B-117, Type 1, Class C, Style 3
b. LEVEL B N/A					Box - PPP-B-636, Weather Resistant
13. CLEANING MIL-P-116J					
14. DRYING N/A					
15. PACKING					
a. LEVEL A MIL-W-52960A					
b. LEVEL B N/A					
16. MARKING MIL-STD-129					

17. NOTES / DRAWING

- Step 1. Cushion Nipples, Inlet Retainer, Outlet Retainer, and Split Ring with PPP-C-795 cushion.
- Step 2. Seal each part type in individual packages of MIL-B-117, Type I, Class C, Style 3.
- Step 3. Seal all packages in a PPP-B-636, Weather Resistant box using PPP-C-795 cushion to fill excess space.

SPECIAL PACKAGING INSTRUCTION

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1. PART OR DRAWING NO. 3269862			2. CODE INDENT 71454		3. SPI NO.
4. NATIONAL STOCK NO.			5. DATE SUBMITTED (YYMMDD) 11/21/97		6. REVISION
7. QUP 001	8. ICQ 000	9. UNIT PACK WT. 5.0 lbs	10. UNIT PACK CU 0.038		11. UNIT PACK SIZE 4.0" x 4.0" x 4.0"
12. PRESERVATION			18 STEPS	19 REQD	20. DESCRIPTION
a. LEVEL A MIL-W-52960A					Unit Package - MIL-B-117, Type 1, Class C, Style 3 Box - PPP-B-636, Weather Resistant
b. LEVEL B N/A					
13. CLEANING MIL-P-116J					
14. DRYING N/A					
15. PACKING					
a. LEVEL A MIL-W-52960A					
b. LEVEL B N/A					
16. MARKING MIL-STD-129					

17. NOTES / DRAWING

- Step 1. Seal each part type in individual packages of MIL-B-117, Type I, Class C, Style 3.
- Step 2. Seal all packages in a PPP-B-636, Weather Resistant box.

SPECIAL PACKAGING INSTRUCTION

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1. PART OR DRAWING NO. 424-RA			2. CODE INDENT 04816		3. SPI NO.
4. NATIONAL STOCK NO.			5. DATE SUBMITTED (YYMMDD) 11/21/97		6. REVISION
7. QUP 001	8. ICQ 000	9. UNIT PACK WT. 4.0 lbs	10. UNIT PACK CU 0.125		11. UNIT PACK SIZE 6.0" x 6.0" x 6.0"
12. PRESERVATION			18 STEPS	19 REQD	20. DESCRIPTION
a. LEVEL A MIL-W-52960A					Cushion Material - PPP-C-795
b. LEVEL B N/A					Unit Package - MIL-B-117, Type 1, Class C, Style 3
13. CLEANING MIL-P-116J					Box - PPP-B-636, Weather Resistant
14. DRYING N/A					
15. PACKING					
a. LEVEL A MIL-W-52960A					
b. LEVEL B N/A					
16. MARKING MIL-STD-129					

17. NOTES / DRAWING

- Step 1. Cushion Diaphragm, Gaskets, and Diaphragm Plate with PPP-C-795 cushion.
- Step 2. Seal each part type in individual packages of MIL-B-117, Type I, Class C, Style 3.
- Step 3. Seal all packages in a PPP-B-636, Weather Resistant box

SPECIAL PACKAGING INSTRUCTION

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1. PART OR DRAWING NO. 424-RB			2. CODE INDENT 04816		3. SPI NO.
4. NATIONAL STOCK NO. 4410-01-208-2125			5. DATE SUBMITTED (YYMMDD) 11/21/97		6. REVISION
7. QUP 001	8. ICQ 000	9. UNIT PACK WT. 4.0 lbs	10. UNIT PACK CU 0.199		11. UNIT PACK SIZE 7.0" x 7.0" x 7.0"
12. PRESERVATION			18 STEPS	19 REQD	20. DESCRIPTION
a. LEVEL A MIL-W-52960A					Cushion Material - PPP-C-795
b. LEVEL B N/A					Unit Package - MIL-B-117, Type 1, Class C, Style 3
13. CLEANING MIL-P-116J					Box - PPP-B-636, Weather Resistant
14. DRYING N/A					
15. PACKING					
a. LEVEL A MIL-W-52960A					
b. LEVEL B N/A					
16. MARKING MIL-STD-129					

17. NOTES / DRAWING

- Step 1. Cushion Diaphragm, Gaskets, Disc Holder, Disc Plate, Shaft, and Diaphragm Plate with PPP-C-795 cushion.
- Step 2. Seal each part type in individual packages of MIL-B-117, Type I, Class C, Style 3.
- Step 3. Seal all packages in a PPP-B-636, Weather Resistant box.

SPECIAL PACKAGING INSTRUCTION

Form Approved

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1. PART OR DRAWING NO. M10KY102			2. CODE INDENT 62707		3. SPI NO.
4. NATIONAL STOCK NO.			5. DATE SUBMITTED (YYMMDD) 11/21/97		6. REVISION
7. QUP 001	8. ICQ 000	9. UNIT PACK WT. 3.0 lbs	10. UNIT PACK CU 0.125		11. UNIT PACK SIZE 6.0" x 6.0" x 6.0"
12. PRESERVATION			18 STEPS	19 REQD	20. DESCRIPTION
a. LEVEL A MIL-W-52960A					Cushion Material - PPP-C-795 Unit Package - MIL-B-117, Type 1, Class C, Style 3
b. LEVEL B N/A					Box - PPP-B-636, Weather Resistant
13. CLEANING MIL-P-116J					
14. DRYING N/A					
15. PACKING					
a. LEVEL A MIL-W-52960A					
b. LEVEL B N/A					
16. MARKING MIL-STD-129					

17. NOTES / DRAWING

- Step 1. Cushion Cover Plate and Bushing Assembly.
- Step 2. Seal each part type in individual packages of MIL-B-117, Type I, Class C, Style 3.
- Step 3. Seal all packages in a PPP-B-636, Weather Resistant box