



OWNERS SERVICE MANUAL NO. 05612

INSTALLATION, OPERATING AND SERVICING INSTRUCTIONS *for*



WHEELED

AMEREX STORED PRESSURE WHEELED & STATIONARY 50 POUND DRY CHEMICAL FIRE EXTINGUISHERS

STATIONARY

Model 495
Model 496
Model 497

ABC (AMMONIUM PHOSPHATE BASE)
REGULAR (SODIUM BICARBONATE BASE)
PURPLE K (POTASSIUM BICARBONATE BASE)

Model 473
Model 474
Model 475

*** RECHARGE FIRE EXTINGUISHERS IMMEDIATELY AFTER ANY USE ***

All fire extinguishers should be installed, inspected and maintained in accordance with the National Fire Protection Association standard titled "Portable Fire Extinguishers", NFPA-10; and the requirements of local authorities having jurisdiction.

When maintenance is indicated, it should be performed by trained persons having proper equipment. Fire extinguishers are pressure vessels and must be treated with respect and handled with care. They are mechanical devices and require periodic maintenance to be sure that they are ready to operate properly and safely. Amerex strongly recommends that the maintenance of portable fire extinguishers be done by a trained professional - your local authorized Amerex Distributor.

Amerex Corp. makes original factory parts available to insure proper maintenance - use of substitute parts releases Amerex of its warranty obligations. Amerex parts have machined surfaces and threads which are manufactured to exacting tolerances. O-rings, hoses, nozzles, horns and all metal parts meet precise specifications and are subjected to multiple in-house inspections and tests for acceptability. There are substitute parts available which are incorrectly labeled as U/L component parts, some are advertised as Amerex type. None of these meet U/L requirements and all of them void the Amerex extinguisher warranty and U/L listing. *DO NOT SUBSTITUTE.*

REFERENCES IN THIS MANUAL:

NFPA-10 "PORTABLE FIRE EXTINGUISHERS"

CGA C-1 "METHODS FOR HYDROSTATIC TESTING OF COMPRESSED GAS CYLINDERS"

CGA C-6 "STANDARD FOR VISUAL INSPECTION OF COMPRESSED GAS CYLINDERS"

AVAILABLE FROM:

National Fire Protection Assoc., Inc.
Batterymarch Park
Quincy, MA 02269

Compressed Gas Association, Inc.
1235 Jefferson Davis Highway
Suite 501
Arlington, VA 22202

AMEREX CORP. ❖ P. O. BOX 81 ❖ TRUSSVILLE, ALABAMA 35173
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INTRODUCTION

The Amerex 50 pound Models 495 (ABC), 496 (REGULAR) & 497 (PURPLE K) STORED PRESSURE WHEELED and Models 473 (ABC), 474 (REGULAR) & 475 (PURPLE K) STATIONARY DRY CHEMICAL fire extinguisher are designed to provide larger volumes of dry chemical fire fighting agent than hand portable types for industrial applications. The Wheeled version can easily be transported and operated by one person and in a Stationary configuration it can be mounted in a small space. The cage type carriage provides protection for the operating valve, cylinder and hose assembly. Easy rolling 12½ inch semi-pneumatic rubber tires assure minimum effort to quickly transport them through narrow spaces to a fire scene.

An easy to operate "T" handle assures "instant on" extinguisher discharge. All valve components, hose couplings and nozzle shut-off are machined brass for easy maintenance. A quality paint finish tops off a prime coated cylinder and carriage assembly for years of trouble free use. These Models carry an AMEREX warranty of SIX YEARS - see full wording of the warranty below.

Field recharging is possible utilizing maintenance/recharge equipment available through your Amerex Distributor. To provide optimum extinguisher reliability, recharging should be performed by persons trained in fire extinguisher maintenance and servicing. This manual should be used as a guide for installing, operating and servicing this extinguisher. THE BEST PLACE TO HAVE YOUR EXTINGUISHER SERVICED AND RECHARGED IS YOUR "AUTHORIZED AMEREX DISTRIBUTOR" WHO HAS THE PROFESSIONAL EXPERIENCE AND EQUIPMENT TO DO IT PROPERLY.

SIX YEAR LIMITED WARRANTY

Amerex warrants its fire extinguishers to be free from defects in material and workmanship for a period of SIX (6) YEARS from the date of purchase. During the warranty period, any such defects will be repaired or the defective extinguisher replaced IF ONLY FACTORY REPLACEMENT PARTS AND RECOMMENDED SERVICE EQUIPMENT HAVE BEEN USED TO SERVICE THE EXTINGUISHER. This warranty does not cover defects resulting from modification, alteration, misuse, exposure to unusually corrosive conditions nor improper installation or maintenance. ALL IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, WARRANTIES OF FITNESS FOR PURPOSE AND MERCHANTABILITY, ARE LIMITED TO THE TIME PERIODS AS STATED ABOVE. IN NO EVENT SHALL AMEREX CORP. BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES. Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so that the above limitations or exclusions may not apply to you. Amerex Corp. neither assumes nor authorizes any representative or other person to assume for it any obligation or liability other than expressly set forth herein. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. To obtain performance of the obligation of this warranty, write to Amerex Corp., P. O. Box 81, Trussville, AL 35173-0081 for instructions.

THIS MANUAL IS ATTACHED TO EVERY NEW EXTINGUISHER OF THIS TYPE, SHIPPED FROM THE FACTORY. IT CONTAINS VALUABLE INFORMATION WHICH SHOULD BE STUDIED BY EVERYONE WHO WILL OPERATE OR SERVICE THE EXTINGUISHER. IT SHOULD BE KEPT IN A CONVENIENT LOCATION FOR EASY REFERENCE.

AMEREX CORPORATION DOES NOT SERVICE, MAINTAIN OR RECHARGE FIRE EXTINGUISHERS. THIS MANUAL IS PUBLISHED AS A GUIDE TO ASSIST QUALIFIED SERVICE PERSONNEL IN THE INSPECTION, MAINTENANCE AND RECHARGE OF AMEREX FIRE EXTINGUISHERS ONLY. NO INSTRUCTION MANUAL CAN ANTICIPATE ALL POSSIBLE MALFUNCTIONS THAT MAY BE ENCOUNTERED IN THE SERVICE OF FIRE EXTINGUISHERS. DUE TO THE POSSIBILITY THAT PRIOR SERVICE PERFORMED ON THIS EQUIPMENT MAY HAVE BEEN IMPROPERLY DONE, IT IS EXTREMELY IMPORTANT THAT ALL WARNINGS, CAUTIONS AND Notes IN THIS MANUAL BE CAREFULLY OBSERVED. FAILURE TO HEED THESE INSTRUCTIONS COULD RESULT IN SERIOUS INJURY. AMEREX ASSUMES NO LIABILITY FOR SERVICE, MAINTENANCE OR RECHARGING OF FIRE EXTINGUISHERS BY PUBLISHING THIS MANUAL.

PREPARING YOUR NEW EXTINGUISHER FOR USE

1. Examine the extinguisher for evidence of shipping damage. Notify the delivering carrier immediately if any damage is discovered.
2. Remove all wrappings, straps and pallet retaining bolts.
3. Check to insure that the hose connection to the operating valve and shut-off nozzle to the hose are tight.
4. Check to insure that the shut-off nozzle is in the CLOSED position. The ring (safety) pin should be installed in the operating valve and the lockwire (tamper) seal intact.
5. This extinguisher is shipped from the factory fully charged. Visually inspect the pressure gauge - the pressure should be in the GREEN ZONE (240 psi ± approx. 10 psi range). The most accurate method to determine if the extinguisher is filled with the proper amount of chemical is to weigh the unit. The gross weight is indicated on the nameplate (label).

Note: Slight pressure variances in the gauge reading may be found if the extinguisher has been subjected to extremes of heat or cold. High temperatures can cause high gauge readings and low temperatures, low readings. When in doubt, condition the extinguisher to 70° F (21° C) for several hours to obtain more accurate pressure gauge readings.

6. Record the date the unit is being placed into service on the inspection tag and attach it to the extinguisher.

INSTALLATION

Do not place this extinguisher close to a potential fire hazard. Amerex recommends location no less than a 50 foot distance from the hazard while leaving an unobstructed access. Avoid placing it in an extremely hot or cold place. The operational temperature range for this extinguisher is -40° to +120° F (-40° to +49° C). The extinguisher should be adequately protected if temperatures outside of this range are anticipated. Keep the extinguisher clean and free from dirt, ice, chemicals and any contaminants which may interfere with its proper operation. **DO NOT FUNCTIONALLY TEST THIS FIRE EXTINGUISHER.** (Testing or any use may cause the extinguisher to gradually lose pressure and become ineffective.)

OPERATION

CAUTION: PERSONS EXPECTED TO USE THIS EXTINGUISHER SHOULD BE TRAINED IN INITIATING ITS OPERATION AND IN THE PROPER FIRE FIGHTING TECHNIQUE. "HANDS ON" TRAINING WILL PREPARE PERSONNEL WITH THE FEEL FOR THIS EXTINGUISHER SO THAT THE MOST EFFECTIVE APPLICATION CAN BE UTILIZED IN AN EMERGENCY SITUATION. THE BASIC OPERATING INSTRUCTIONS ARE CONTAINED IN THE PICTOGRAM PORTION OF EVERY EXTINGUISHER NAMEPLATE (LABEL). THE FOLLOWING ELABORATES ON THESE INSTRUCTIONS.

1. MOVE THE EXTINGUISHER TO WITHIN APPROXIMATELY 30 FEET OF THE FIRE SITE. KEEP EXTINGUISHER UPRIGHT.

CAUTION: THIS EXTINGUISHER MUST BE OPERATED IN AN UPRIGHT POSITION. IF EQUIPPED WITH AN OPTIONAL TOW LOOP AND VEHICLE TOWED TO THE FIRE SCENE, REMOVE FROM TOW HITCH AND OPERATE IN A VERTICAL POSITION.

2. TWIST AND PULL RING PIN. OPEN CYLINDER DISCHARGE VALVE BY ROTATING (PULLING) THE "T" HANDLE VALVE LEVER TOWARD THE HOSE 90°. THE HOSE IS NOW PRESSURIZED WITH CHEMICAL.

3. PULL NOZZLE, WITH LEVER IN THE CLOSED POSITION, FROM THE MOUNT AND *EXTEND THE HOSE* FROM THE STORAGE RACK.
4. *STAND BACK 15 FEET* FROM THE FIRE AND *AIM THE NOZZLE AT BASE OF FLAMES* NEAREST YOU. *OPEN NOZZLE* BY PULLING HANDLE TOWARD YOU (BE PREPARED FOR A DISCHARGE RECOIL BY HOLDING THE NOZZLE FIRMLY).
5. *SWEEP SIDE TO SIDE* ACROSS THE BASE OF THE FIRE AND PAST BOTH EDGES. PROGRESSIVELY FOLLOW UP UNTIL THE FIRE IS EXTINGUISHED. WORK THE FIRE AWAY FROM YOU WHILE BEING ALERT FOR FLASHBACKS. MOVE CLOSER AS THE FIRE IS EXTINGUISHED BUT NOT SO CLOSE AS TO SCATTER OR SPLASH THE BURNING MATERIALS.
6. WHEN THE FIRE IS OUT, PUSH THE NOZZLE LEVER FORWARD TO THE *CLOSED* POSITION. PUSH THE "T" HANDLE ON THE CYLINDER DISCHARGE VALVE TO THE *CLOSED* POSITION.
7. EVACUATE AND VENTILATE THE AREA IMMEDIATELY AFTER EXTINGUISHING THE FIRE. THE FUMES AND SMOKE FROM ANY FIRE MAY BE HAZARDOUS AND CAN BE DEADLY.

DISCHARGE TIME - 35 SECONDS (APPROX.)
EFFECTIVE RANGE OF AGENT THROW IS 25 TO 35 FEET
HOSE LENGTH - 25 FEET

SHUTDOWN

CAUTION: BEFORE PERFORMING THE SHUTDOWN PROCEDURE AND PREPARING TO MOVE THE EXTINGUISHER TO THE RECHARGE LOCATION, DETERMINATION MUST BE MADE THAT THE FIRE IS COMPLETELY EXTINGUISHED AND THERE IS NO DANGER OF A FLASHBACK.

1. Tip the extinguisher to the horizontal position (resting on the carriage handle) and slowly push the "T" handle on the cylinder discharge valve to the OPEN position. Slowly push the nozzle lever to the OPEN position and be prepared for some chemical discharge.
2. When all pressure has been evacuated from the extinguisher, return the nozzle lever and cylinder discharge valve to the CLOSED position.

Note: These steps will allow easy depressurization of the extinguisher and clear the hose assembly with a minimal loss of remaining chemical.

3. Return the extinguisher to the upright position. Coil the hose onto the storage rack and position the nozzle into the mount in preparation for transport to the recharge location.

***** RECHARGE EXTINGUISHERS IMMEDIATELY AFTER ANY USE *****

INSPECTING THE EXTINGUISHER

INSPECTION [NFPA-10 4-2.1] is a “quick check” that an extinguisher is available and will operate. It is intended to give reasonable assurance that the extinguisher is fully charged and operable. This is done by seeing that it is in its designated place, that it has not been actuated or tampered with, and that there is no obvious physical damage or condition to prevent operation.

PERIODIC INSPECTION PROCEDURES

(Monthly or more often if circumstances dictate)

[NFPA-10 4-3.2] A “quick check” should be made of the extinguisher for the following:

1. Located in designated place.
2. No obstructions to access or visibility.
3. Operating instructions on nameplate and facing outward.
4. Seals and tamper indicators not broken or missing.
5. Determine fullness by weighing.
6. Examine for obvious physical damage, corrosion, leakage or clogged nozzle.
7. Pressure gauge reading in the operable area.

MAINTENANCE

MAINTENANCE [NFPA-10 4-4.1 & 4-4.2] At least once a year (or more frequently if indicated by an inspection), MAINTENANCE should be performed. MAINTENANCE is a “thorough check” of the extinguisher. It is intended to give maximum assurance that an extinguisher will operate effectively and safely. It includes a thorough examination and any necessary repair or replacement. It will normally reveal the need for hydrostatic testing.

MAINTENANCE PROCEDURE

Note: This procedure will be best accomplished with the extinguisher in an upright position and on a level surface.

1. Clean extinguisher to remove dirt, grease or foreign material. Check to make sure that the instruction nameplate and U/L manifest are securely fastened and legible. Inspect the cylinder for corrosion, abrasion, dents or weld damage. If any of these conditions are found and you doubt the integrity of the cylinder, hydrostatically test to factory test pressure 480 psi (3310 kPa), using the proof pressure method, in accordance with CGA Pamphlet C-6 and NFPA Pamphlet 10. See proper method of depressurizing and reclaiming chemical in RECHARGE procedures.

Note: When cleaning, avoid use of solvents around the pressure gauge. They could seriously damage the plastic gauge face.

2. Inspect the extinguisher for damaged, missing or substitute parts. Only factory replacement parts are approved for use on Amerex fire extinguishers.
3. Weigh extinguisher and compare with the weight printed in the “Maintenance” section of the nameplate (label). Recharge extinguisher if weight is not within indicated allowable tolerances.

4. Check the date of manufacture printed on the extinguisher nameplate (label). Cylinder must be hydrostatically (proof pressure) tested at 12 years (initial), every 7 years thereafter, to the test pressure indicated on the nameplate 480 psi (3310 kPa).
5. Visually inspect the pressure gauge:
 - a. if bent, damaged or improper gauge, depressurize and replace
 - b. if pressure is low, check for leaks
 - c. if overpressurized (overcharged), depressurize the extinguisher and follow recharge instructions
6. Remove and check ring pin for freedom of movement. Replace if bent or if removal appears difficult.
7. Check the nozzle shutoff lever for freedom of movement (open and close several times). If the operation is impeded, disassemble the nozzle, replace parts and/or properly lubricate as necessary. Make sure that the nozzle tip is clear and unobstructed.

WARNING: ALWAYS OPEN THE SHUTOFF NOZZLE HANDLE SLOWLY. ANY EVIDENCE OF AGENT IN THE NOZZLE INDICATES THAT THE UNIT MAY HAVE BEEN USED AND THE USE NOT REPORTED. BE PREPARED FOR A POSSIBLE DISCHARGE AND NOZZLE RECOIL.

8. After making sure that there is no residual pressure in the discharge hose, disconnect it from the operating valve. Blow air through the hose and nozzle assemblies to insure that the passage is clear of foreign material. Check the couplings, hose and hose gasket for damage or deterioration - replace as necessary.
9. Inspect valve assembly for corrosion or damage to hose thread connection. Valve removal and/or valve part replacement should be made only after following the depressurizing procedures listed in the COMPLETE MAINTENANCE procedures.
10. Reconnect the hose to the agent cylinder. Properly coil the hose on the rack and install the nozzle (with the lever in a closed position) on the mount.

Note: When assembling the hose to the agent cylinder or nozzle to the hose, tighten the coupling ¼ turn after contacting the hose gasket.
11. Inspect the wheels on Models 495, 496 or 497 to insure they rotate freely. Lubricate as required. On Stationary models, check mountings to insure that they are securely fastened.
12. Check carriage assembly for loose nuts, bolts, frame distortion or damage. Check welds for damage or corrosion. Replace damaged parts or make repairs as necessary.
13. Install new lockwire (tamper) seal and record service data on the extinguisher inspection tag.
14. If the extinguisher has been moved to perform service, make sure that it is returned to its proper location.

COMPLETE MAINTENANCE (SIX YEAR TEARDOWN)

COMPLETE MAINTENANCE (SIX YEAR TEARDOWN) [NFPA-10 4-4.1.4] Every six years, stored pressure extinguishers that require a 12 year hydrostatic test shall be emptied and subjected to the applicable maintenance procedures. When the applicable maintenance procedures are performed during periodic recharging or hydrostatic testing, the six year requirement shall begin from that date.

Note: Some States require a "Complete Maintenance" on an annual basis. Check with your Amerex Servicing Distributor to see if this applies to you. NFPA-10 recommendation requires that an "verification of service" external collar tag be installed on the extinguisher whenever a "Six Year Maintenance" is performed. The "verification of service" tag can only be installed if the operating valve has been removed. "Six Year Maintenance" service decal must also be attached to extinguisher cylinder.

COMPLETE MAINTENANCE (SIX YEAR TEARDOWN) PROCEDURES

1. Discharge chemical and pressure into a “closed” dry chemical recovery system (several are commercially available). **Make sure that the extinguisher is completely empty and depressurized.**

Note: A “closed” recovery system is designed to prevent loss of the chemical “fines”. Loss of the “fines” could result in reduced extinguisher efficiency.

2. Clean extinguisher to remove dirt, grease or foreign material. Check to make sure that the instruction nameplate is securely fastened and legible. Inspect the cylinder for corrosion, abrasion, dents or weld damage. If any of these conditions are found and you doubt the integrity of the cylinder, hydrostatically test to factory test pressure, 480 psi (3310 kPa), using the proof pressure method, in accordance with CGA Pamphlet C-6 and NFPA Pamphlet 10.

Note: When cleaning, avoid use of solvents around the pressure gauge. They could seriously damage the plastic gauge face.

3. Inspect the extinguisher for damaged, missing or substitute parts. Only factory replacement parts are approved for use on Amerex fire extinguishers.
4. Check the date of manufacture on the extinguisher cylinder dome. Cylinder must be hydrostatically (proof pressure) tested at 12 years (initial), every 7 years thereafter, to the test pressure indicated on the nameplate, 480 psi (3310 kPa).
5. Visually inspect the pressure gauge - if bent, damaged or improper type or pressure - replace with Amerex P/N: 5225 240 psi Gauge.
6. Remove and check ring pin for freedom of movement. Replace if bent or if removal appears difficult.
7. **VERIFY THAT NO PRESSURE REMAINS IN THE EXTINGUISHER** (Operating valve and nozzle shutoff in open position and there is no discharge).
8. Check the nozzle shutoff lever for freedom of movement (open and close several times). If the operation is impeded, disassemble the nozzle, replace parts and/or properly lubricate as necessary. Make sure that the nozzle tip is clear and unobstructed.
9. Disconnect the discharge hose from the operating valve. Blow air through the hose and nozzle assemblies to insure that the passage is clear of foreign material. Check the couplings, hose and hose gasket for damage or deterioration - replace as necessary. The discharge hose should be hydrostatically tested to 480 psi (3310 kPa) every twelve years.
10. Inspect the wheels to insure they rotate freely. Lubricate as required.
11. Check carriage assembly for loose nuts, bolts, frame distortion or damage. Check welds for damage or corrosion. Replace damaged parts or make repairs as necessary.
12. Remove operating valve assembly. Inspect for corrosion or damage to hose thread connection.

WARNING: VALVE REMOVAL AND/OR VALVE PART REPLACEMENT SHOULD BE MADE ONLY AFTER COMPLETING THE DEPRESSURIZING PROCEDURES LISTED IN STEP 1 OF THE THIS COMPLETE MAINTENANCE SECTION.

13. Complete Steps 2 through 14 of RECHARGE SECTION.

RECHARGE

RECHARGING [NFPA-10 4-2.3] is the replacement of the extinguishing agent and also includes the expellant for this type of extinguisher.

WARNING:

- A. BEFORE ATTEMPTING TO RECHARGE BE SURE THE EXTINGUISHER IS COMPLETELY DEPRESSURIZED.
- B. NEVER HAVE ANY PART OF YOUR BODY OVER THE EXTINGUISHER WHILE REMOVING THE VALVE ASSEMBLY.
- C. USE A PROTECTIVE SHIELD BETWEEN YOU AND THE PRESSURE GAUGE WHILE CHARGING AN EXTINGUISHER. DO NOT STAND IN FRONT OF THE GAUGE IF A SHIELD IS NOT AVAILABLE.
- D. USE A **REGULATED** PRESSURIZING SOURCE OF DRY NITROGEN ONLY WITH A MINIMUM DEW POINT OF MINUS **70°F (MINUS 57°C)**. SET THE REGULATOR TO NO MORE THAN **265 PSI (1827 kPa)** .
- E. CHECK AND CALIBRATE REGULATOR GAUGE AT FREQUENT INTERVALS. THE REGULATOR GAUGE SHOULD BE USED TO DETERMINE WHEN THE INTENDED CHARGING PRESSURE HAS BEEN REACHED. DO NOT USE THE EXTINGUISHER GAUGE FOR THIS PURPOSE.
- F. NEVER LEAVE AN EXTINGUISHER CONNECTED TO A REGULATOR OF A HIGH PRESSURE SOURCE FOR AN EXTENDED PERIOD OF TIME. A DEFECTIVE REGULATOR COULD CAUSE THE CYLINDER TO RUPTURE DUE TO EXCESSIVE PRESSURE.
- G. DO NOT MIX TYPES OF DRY CHEMICALS IN EXTINGUISHERS, RECHARGE OR RECOVERY SYSTEMS. MIXING **ABC (ACIDIC BASE)** WITH **REGULAR, PURPLE-K, SUPER-K** OR **MONNEX (ALKALINE BASE)** DRY CHEMICALS MAY RESULT IN A CHEMICAL REACTION CAPABLE OF DEVELOPING A DANGEROUS PRESSURE BUILDUP.

RECHARGING PROCEDURE

1. Perform steps 1 thru 12 of the "COMPLETE MAINTENANCE (SIX YEAR TEARDOWN)" section.
2. Remove downtube, spring and valve stem assembly from the operating valve and thoroughly clean all parts with a soft bristle brush or soft cloth. Blow the valve and downtube out with air or nitrogen. Inspect the collar o-ring, valve stem, spring and downtube ass'y - replace parts if worn or damaged. Lubricate the collar o-ring, and small o-ring on the valve stem with Visilox V-711 (do not lubricate the valve stem seal).
3. Reassemble the discharge valve assembly, including downtube and set aside.
4. Remove any chemical remaining in the cylinder and check the condition. Properly dispose of any chemical that is contaminated or caked.
5. Inspect the cylinder interior following CGA Visual Inspection Standard, Pamphlet C-6.
6. Place the extinguisher on a scale of sufficient capacity and fill the cylinder with the correct amount and type of dry chemical specified on the nameplate (label). Use Amerex chemical which has been kept free of moisture and contaminants. **See WARNING (e) - DO NOT MIX TYPES OF CHEMICALS.**
7. Clean cylinder collar o-ring seat and collar threads with a small brush and then wipe off surfaces with a clean damp cloth to remove dust. Lightly brush the collar o-ring seat with Visilox V-711.
8. Install "verification of service" external collar tag. Install Discharge Valve Assembly and attach pressurizing adapter (P/N: 6160) to discharge port.

9. Pressurize extinguisher with **DRY NITROGEN** to 240 psi. Nitrogen supply regulator should be set to no more than 265 psi. This will insure proper aeration of the chemical.
10. Check the extinguisher for leaks using leak detecting fluid or a solution of soapy water. Remove pressurizing adapter.
11. Install discharge hose and discharge nozzle assembly (see instructions).
12. Install ring (safety) pin and lockwire (tamper) seal. Attach new recharge tag.
13. Weigh assembled extinguisher and confirm that the total weight agrees with the weight indicated on the extinguisher nameplate (label).
14. Return extinguisher to its proper location. Mountings for Stationary extinguishers should be properly secured.

TROUBLESHOOTING GUIDE

WARNING: BEFORE ATTEMPTING TO CORRECT ANY LEAKAGE PROBLEM, BE SURE THAT THE AGENT CYLINDER AND HOSE ARE COMPLETELY DEPRESSURIZED.

Note: Check to determine the source of a leak before the extinguisher is depressurized. Leakage repairs will require depressurization and removal of the valve assembly. Depressurize by discharging into a "Closed Recovery System" or inverting the extinguisher. After depressurizing the extinguisher and correcting the problem, it will be necessary to clean all valve parts thoroughly.

PROBLEM	CORRECTIVE ACTION
1. Leak at operating valve collar o-ring	1. Remove valve assembly, clean collar thoroughly and install new collar o-ring. Lubricate o-ring with Visilox V-711.
2. Leak through valve.	2. Install new valve stem assembly. Check valve seat for scratches or foreign matter.
3. Leak around gauge threads.	3. Remove gauge* and reinstall using Teflon tape on the gauge threads.
4. Defective gauge.	4. Remove defective gauge* and install new P/N: 5225 240 psi gauge using Teflon tape on the gauge threads.
5. Leak in the cylinder.	5. Contact Amerex if under warranty, otherwise - mark "Rejected" and remove from service or return to owner.

* **Pressure gauge threads are coated with a special epoxy at the factory. For easy removal, soak the valve assembly in hot water (180°F.) for two to four minutes. Remove gauge with a 7/16" open end wrench.**

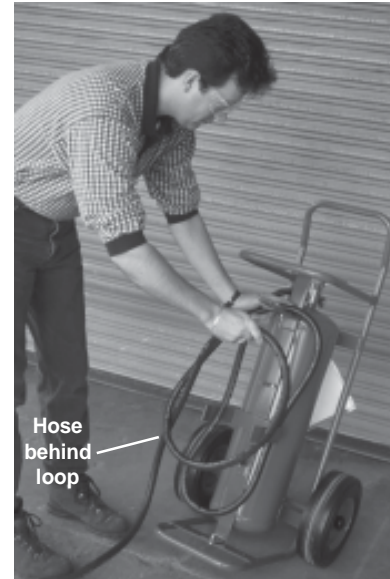
PROPER METHOD FOR COILING DISCHARGE HOSE ON 50 LB. WHEELED AND STATIONARY DRY CHEMICAL EXTINGUISHERS

(If instructions are followed, the hose will uncoil without kinks.)



1

Connect hose coupling to extinguisher valve. Lay hose straight out on ground to its full 25 ft. length. Start first regular loop counter-clockwise by placing between side brackets and over top bracket.



2

The second loop is a REVERSE loop. Notice that the hose passes behind the loop on this REVERSE loop.



3

The next loop is a regular "HOSE IN FRONT" loop. Succeeding loops are alternated: REVERSE, FRONT for a total of five loops.



4

Adjust the loops so that the nozzle fits onto the nozzle mount and into the clips. Loops should be approximately the same size.



PARTS LIST

for
**50 LB. WHEELED Stored Pressure
 DRY CHEMICAL Extinguishers**

WHEELED MODELS 495 ABC 496 REGULAR 497 PURPLE K
STATIONARY MODELS 473 ABC 474 REGULAR 475 PURPLE K

ITEM NO.	PART NO.	DESCRIPTION	STD. PKG.
1	6018	Valve Ass'y Complete with Downtube	1
2	6072	Downtube/Retainer Ass'y	1
3	6625	Carriage Ass'y without Wheels	1
4	6374	Hose Support with Hardware, Hose Clip and Nozzle Mount	1
5	6375	Hose Clip with Mounting Hardware	1
6	6376	Nozzle Mount with Hardware	1
7	6001	Cylinder with Mounting Brackets	1
7A		Nameplate (Mylar Label) Non U/L - SPECIFY MODEL NO. OF THE EXTINGUISHER	1
7B	7480 7482	Pictogram - Model 495, 473 Models 496, 497, 474, 475	1
8	6377	Wheel Ass'y, 12 1/2" with Hub Cap, Washer and Retaining Pin	1
9	4945	Hub Cap	1
10	6373	Valve Lever ("T" Handle with Roll Pin and Knobs)	1
11	6153	Valve Body	1
12	5225	Gauge - 240 PSI	1
13	6100	Ring Pin, Stainless Steel with Wire	12
14	1387	Lock Wire Seal (Yellow)	500
15	5240	Collar O-Ring	24
16	6022	Valve Stem Ass'y	6
17	0383	Spring	6
18	7247	Gasket, Hose	6
19	6015	Hose Ass'y, 25 ft. with Gasket	1
20	6397 6395 6396	Nozzle Ass'y (Ball Valve & Tip) - 495, 473 496, 474 497, 475	1
21	6031	Ball Valve Ass'y	1
21A	3877	Gasket, Nozzle	6
22	6208 6032 6210	Nozzle Tip - 495, 473 (.328) 496, 474 (.265) 497, 475 (.281)	1
23	6160	Fill Adapter	1
24	3038	Hydrotest Adapter (Cylinder)	1

NOTE: Replacement Valve Assemblies include New Valve Body, Gauge, Valve Stem Ass'y, Spring and Downtube/ Retainer Ass'y

