



OWNERS SERVICE MANUAL NO. 05614

INSTALLATION, OPERATING AND SERVICING INSTRUCTIONS for

300 / 350 POUND NITROGEN CYLINDER OPERATED DRY CHEMICAL FIRE EXTINGUISHERS

55 CU. FT. NITROGEN CYLINDER

WHEELED

Model 491 ABC (36 " Wheels)
Model 492 REGULAR (36 " Wheels)
Model 493 PURPLE K (36 " Wheels)

STATIONARY

Model 464 ABC
Model 465 REGULAR
Model 466 PURPLE K

***** 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 hand portable and wheeled 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

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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 RECHARGE OF FIRE EXTINGUISHERS BY PUBLISHING THIS MANUAL.

PREPARING YOUR NEW EXTINGUISHER FOR USE

WARNING: THIS FIRE EXTINGUISHER IS SHIPPED FROM THE FACTORY EMPTY. AFTER INITIAL PREPARATIONS, CAREFULLY FOLLOW THE RECHARGING INSTRUCTIONS BEFORE PLACING IT INTO SERVICE.

1. Remove all wrappings, straps and pallet retaining bolts.
2. Examine the extinguisher for shipping damage. Check to make sure that you have received the dry chemical charges which are shipped with the extinguisher (ABC and PURPLE K - - 6 50 lb. pails; REGULAR -- 7 50 lb. pails).
3. Fill the extinguisher by carefully following the RECHARGE instructions (Page 6).
4. Remove the nitrogen cylinder protective shipping cap. **Save the cap** as it must be installed whenever a charged nitrogen cylinder is transported. Remove temporary (shipping) ring pin and install large ring pin.
5. Install new lockwire seal. Check the nitrogen cylinder pressure. The gauge should read approximately 2015 psig (13.9 mPa) at 70° F. (21° C) ambient temperature. See the "Troubleshooting Guide" for pressure-temperature allowances.
6. **Remove (and save) the Safety Vent Plug installed on all "T" handle nitrogen valves.** Connect the nitrogen supply hose firmly to the nitrogen cylinder valve. Make sure that there are no kinks in this hose.
7. Disconnect the discharge hose assembly from the agent cylinder. Make sure that the hose and nozzle are unobstructed and that the P/N: 7411 Moisture Seal is undamaged and properly seated on the agent cylinder discharge fitting. Reconnect the discharge hose to the agent cylinder and with the nozzle in the closed (forward) position, place it on the storage rack (See Page 8)
8. Record the date the unit is being placed into service on the inspection tag and attach it to the extinguisher.
9. Remove the caution (not charged) tag.

INSTALLATION

Do not place this extinguisher close to a potential fire hazard. Amerex recommends location at a 50 foot minimum distance from the hazard with an unobstructed access. Avoid placing it in an extremely hot or cold place. The temperature range for this extinguisher is -65° to 120°F (-54° to 49°C). Keep the extinguisher clean and free from dirt, ice, chemicals and other 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

NOTE: Persons expected to use this extinguisher should be trained in initiating its operation and in the proper fire fighting technique. Familiarize all personnel with this information before an emergency occurs.

1. Move the extinguisher to within approximately 50 feet of the fire site. KEEP EXTINGUISHER UPRIGHT.

2. REMOVE RING (SAFETY) PIN. Pull "T" handle to OPEN CYLINDER VALVE. This will pressurize the extinguisher.

3. Remove nozzle from the mount, and with the nozzle lever in the CLOSED position, PULL OUT HOSE from rack.

4. **STAND BACK 30 FEET** from the fire, **AIM NOZZLE AT BASE OF FLAMES** nearest you.

5. **Hold hose and nozzle firmly** to allow for discharge recoil. **OPEN NOZZLE** by pulling handle toward you. **SWEEP SIDE TO SIDE** extending beyond the edges of the fire and progressively follow up and extinguish the fire.

CAUTION: USE OF DRY CHEMICAL AGENT EXTINGUISHERS ON FIRES IN DELICATE ELECTRONIC EQUIPMENT IS NOT RECOMMENDED. IT MAY SUCCESSFULLY EXTINGUISH THE FIRE BUT MAY DAMAGE THE EQUIPMENT BEYOND REPAIR. (Consult your Amerex Distributor for more details.)

DISCHARGE TIME (APPROXIMATE) - 60 to 70 SECONDS.

EFFECTIVE RANGE OF THE AGENT THROW - 30 to 40 FEET.

HOSE LENGTH - 50 FEET.

***** RECHARGE EXTINGUISHER IMMEDIATELY AFTER ANY USE *****

SHUTDOWN

1. After making sure that the fire has been completely extinguished, **close the nozzle valve** and then close the "T" handle nitrogen valve. Wheeled extinguisher - Tip over until it rests on both wheels and handle (*in this position much of the remaining chemical will stay in the cylinder*). Stationary extinguisher - See instructions below.
2. Open the nozzle valve slowly to clear the hose of any remaining pressure and chemical (*be prepared for recoil and discharge of agent*).
WARNING: MAKE SURE THAT ALL PRESSURE HAS ESCAPED BEFORE ANY FURTHER DISASSEMBLY.
3. Stand unit upright after complete depressurization.
Note: Nitrogen pressure in the agent cylinder cannot escape through a disconnected nitrogen hose assembly due to a check valve in the system. *Always be careful when removing the fill cap.*
4. Coil the extinguisher hose onto the storage rack and position the nozzle onto the mount in preparation for transport to the recharge location.
CAUTION: DO NOT TRANSPORT A NITROGEN CYLINDER WITH ANY REMAINING PRESSURE WITHOUT INSTALLING THE PROTECTIVE SHIPPING CAP.

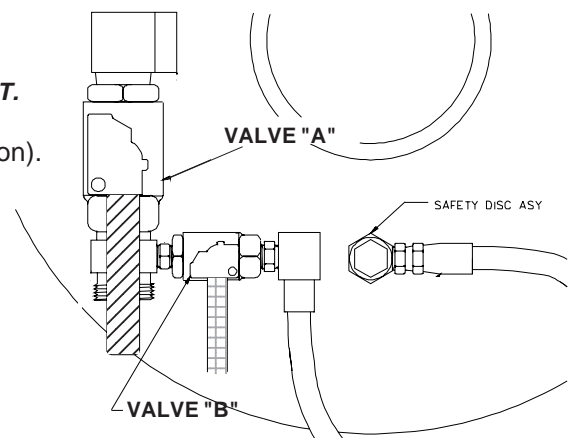
VENTING DEVICE (STANDARD on all Stationary extinguishers, OPTIONAL on Wheeled extinguishers)

A venting device has been installed on all Stationary extinguishers to provide a means of safely and easily relieving residual nitrogen pressure from the agent cylinder while utilizing the same pressure to evacuate or "blow down" the hose.

OPERATION

AFTER THE FIRE HAS BEEN SUCCESSFULLY EXTINGUISHED AND IT HAS BEEN DETERMINED THAT IT IS COMPLETELY OUT.

1. Confirm that the nozzle lever is in the CLOSED position.
2. Close the nitrogen valve (move "T" handle to CLOSED position).
3. Remove ring pin and CLOSE agent cylinder valve (Valve "A" in drawing) to prevent further chemical from entering the hose.
4. Remove ring pin and OPEN pressure vent valve (Valve "B" in drawing) to allow nitrogen gas to by-pass the chemical and pressurize the hose.
5. Open discharge nozzle to vent all residual chemical and nitrogen gas pressure.
6. Re-open nitrogen valve if additional pressure is required.
7. When recharging this unit - reset agent cylinder and vent valves, install ring pins and lockwire seals.



CAUTION: VALVE SHUT-OFF HANDLES MUST BE IN THE POSITIONS SHOWN ABOVE WHEN EXTINGUISHER IS ON STANDBY OR IN ACTUAL OPERATION.

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 (full weight is noted on the nameplate [label]).
6. Examine for obvious physical damage, corrosion, leakage or clogged nozzle.
7. Pressure gauge (Nitrogen Cylinder) 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.

Note: The Getz Mfg. P/N: 52576 "Universal" Wheeled Extinguisher Service Kit is available so that you can perform the maintenance functions now required by NFPA-10.

ANNUAL MAINTENANCE PROCEDURES

WARNING: BEFORE SERVICING BE SURE THE EXTINGUISHER AGENT CYLINDER IS NOT PRESSURIZED.

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 is securely fastened and legible. Inspect the cylinders for corrosion, abrasion, dents or weld damage. If damage is found, hydrostatically test in accordance with instructions in CGA Pamphlet C-1 and C-6 and NFPA Pamphlet 10.
2. Inspect the extinguisher for damaged, missing or substitute parts. A careful inspection should be made of the safety relief to make sure that it has not ruptured, corroded or been tampered with. Only factory replacement parts are approved for use on Amerex fire extinguishers.
3. Check the date of manufacture on the extinguisher nameplate or on the agent cylinder dome. The agent cylinder, discharge hose assembly and nitrogen supply hose must be hydrostatically tested every 12 years. Test pressures - agent cylinder - 500 psi (3447 kPa); hose assembly - 300 psi (2068 kPa); nitrogen supply hose - 3,000 psi (20,682 kPa).
4. Check the hydrostatic test date on the crown of the nitrogen cylinder. The nitrogen cylinder must be retested in accordance with D.O.T. regulations, every 5 years.
5. Check the gauge on the nitrogen cylinder. If the pressure is below 1700 psig (11.7 mPa) repressurize the cylinder to 2015 psig (13.9 mPa) or replace it. A low gauge pressure may indicate leakage. Check for leaks. A low gauge reading may also result from low temperature. See the temperature/pressure relationship chart in the “Troubleshooting Guide”. Check the tamper indicator (lockwire seal) on the nitrogen valve and replace if necessary.
6. Wheeled extinguishers - inspect the wheels to insure they rotate freely. Lubricate as required.
Stationary extinguishers - check to insure that any mounting fixtures are secure.

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

7. Disconnect the discharge hose from the agent cylinder. Check the couplings, hose and hose gaskets for damage or deterioration - replace as necessary.
8. **To perform an operational integrity check on the discharge hose and nozzle combination:**
 - a) Connect the test kit hose adapter to the female end of the discharge hose.
 - b) Close the discharge nozzle shut-off lever **and properly secure it.**
 - c) Connect a properly regulated and verified nitrogen pressure source (set to the extinguisher operating pressure [235 - 245 psi]) to the test kit hose adapter.
 - d) Slowly pressurize the discharge hose/nozzle assembly to the extinguisher operating pressure and check for leaks or distortion.
 - e) Operate the nozzle lever to ensure proper operation and to clear the hose of any obstructions (if hose is obstructed - refer to TROUBLE SHOOTING section of this manual).
 - f) Close the nitrogen pressure source and slowly relieve remaining pressure by fully opening the nozzle lever
9. Remove the agent cylinder fill cap and examine it closely for any signs of damage, cracks or thread wear. Clean the agent cylinder fill cap threads and thread vent port on the cap with a stiff bristle nylon brush. Remove the fill cap gasket and check for wear, cracks or tears - replace if necessary. Lightly lubricate the gasket with Visilox and re-install.
10. Examine the dry chemical agent for proper type and condition. Replace chemical that is contaminated, caked or other than the type indicated on the nameplate (label). Do not trust the height of the chemical in the cylinder when determining agent fill. Dry chemical settles and the only true indication of agent fill is to weigh the extinguisher and compare with the weight indicated on the nameplate (label).
11. Place the service kit VENT SPACER (P/N: 01530) on top of the agent cylinder fill opening collar. Check again to see that the fill cap thread vent is clean and that the agent fill cap gasket is in place. Install the agent fill cap securely over the vent spacer.

CAUTION: (STEP 12) THE AGENT CYLINDER CAP THREADS MUST BE CLEAR AND THE CAP SECURELY INSTALLED ONTO THE VENT SPACER AND AGENT CYLINDER TO ALLOW PRESSURE TO SLOWLY VENT AFTER PERFORMING THE SIPHON TUBE CLEARING AND GAS TUBE INTEGRITY CHECKS.

12. **To perform a siphon tube clearing and gas tube integrity check:**
 - a) Remove the service kit AGENT HOSE ADAPTER (P/N: 01455) from the discharge hose assembly and install it securely onto the agent cylinder siphon tube outlet.
 - b) Using a regulated nitrogen pressure source set to the extinguisher operating pressure, slowly and briefly pressurize the agent cylinder (**the siphon tube should clear within a couple of seconds and the agent cylinder pressure slowly vent from the fill cap thread vent**). Pressure and/or dry chemical leaks from the gas tube inlet port (where the hose connects) will indicate a defective gas tube and will require that the agent cylinder be emptied and the gas tube replaced.
 - c) Close the nitrogen pressure source and allow all pressure to slowly vent from the thread vent port on the fill cap.
 - d) **AFTER ALL PRESSURE HAS BEEN RELIEVED, SLOWLY OPEN THE FILL CAP AND REMOVE TEST KIT VENT SPACER.**
 - e) Re-examine the dry chemical agent to determine if any obstructions were cleared from the siphon tube and have risen to the surface.
 - f) Clean the fill cap and agent cylinder thread surfaces. Install fill cap gasket and securely install fill cap.
13. Disconnect the high pressure hose from the nitrogen cylinder valve. Securely install the service kit NITROGEN CYLINDER PRESSURE CHECK GAUGE ASSEMBLY (P/N: 01300) to the nitrogen cylinder valve outlet and verify the indicated cylinder gauge pressure. Nitrogen pressure should conform to the temperature correction chart provided in the Trouble Shooting section of this manual. Close the nitrogen cylinder valve and disconnect the Pressure Check Gauge Assembly.

WARNING: IF THE NITROGEN CYLINDER VALVE HAS A "T" HANDLE QUICK OPENING OR A HANDWHEEL QUICK OPENING TRIP LEVER RELEASE, THE SAFETY VENT PLUG SHIPPED WITH THE EXTINGUISHER (OR THE TEST KIT SAFETY VENT PLUG - P/N: 01560) MUST BE INSTALLED TO PROTECT SERVICE PERSONNEL FROM A HIGH VELOCITY DISCHARGE IN CASE THE LEVER IS ACCIDENTALLY OPENED.

14. Install a new Amerex P/N: 7411 Moisture Seal per instructions in the package. Securely connect the discharge hose to the extinguisher. **When assembling the hose to the agent cylinder or nozzle to the**

hose, tighten the coupling ¼ turn after contacting the hose gasket.

15. Coil the hose onto the extinguisher hose rack using the reverse loop procedure. Install nozzle with the lever in the closed (*forward*) position into the nozzle mount.
16. Remove the safety vent plug from the nitrogen cylinder. Re-connect the high pressure hose securely to the nitrogen cylinder valve. Wipe the extinguisher clean. Record service data on the inspection tag according to NFPA-10 requirements and attach to extinguisher. Return extinguisher to its proper location.

RECHARGE

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

RECHARGE PROCEDURE

WARNING: BEFORE ATTEMPTING TO RECHARGE BE SURE THIS EXTINGUISHER IS COMPLETELY DEPRESSURIZED. THERE IS A CHECK VALVE IN THE SYSTEM WHICH PREVENTS NITROGEN PRESSURE FROM ESCAPING FROM THE AGENT CYLINDER WHEN THE NITROGEN HOSE IS DISCONNECTED. THE AGENT CYLINDER MAY BE PRESSURIZED EVEN THOUGH NO PRESSURE ESCAPES FROM THE CYLINDER NITROGEN CONNECTION.

Note: Proper procedure for recharging any dry chemical extinguisher includes the use of a "closed recovery system" (NFPA-10 [4-5.3.4]). The Getz Model SV1 400 VACU-FILL SYSTEM is ideal for this application - it provides for the recovery of the remaining agent by direct discharge into the system, trapping the "fines" while allowing the nitrogen to escape and provides a more accurate fill of the extinguisher.

IF A "CLOSED RECOVERY SYSTEM" IS NOT AVAILABLE - PROCEED AS FOLLOWS:

To depressurize:

- a) Close the "T" handle on the nitrogen valve (or handwheel valve if so equipped).
 - b) Carefully tip extinguisher over until it rests on both wheels and handle. (In this position much of the agent will remain in the cylinder).
 - c) Open nozzle valve slowly to clear hose of any remaining pressure and chemical (be prepared for a recoil and discharge of agent).
 - d) Insure that all pressure has escaped before further disassembly.
 - e) Stand extinguisher upright after complete depressurization.
2. Complete items 1 - 6 of Maintenance Procedures. Carefully remove the fill cap. While performing this procedure, all parts and seals should be cleaned, inspected and replaced where necessary.
 3. Remove shutoff nozzle assembly from discharge hose and clean thoroughly. Check to make sure that the valve is closed when the lever is in the forward position (toward the nozzle tip).
 4. Detach the nitrogen hose from the nitrogen cylinder, ("T" handle valve - remove and save large ring pin and install temporary ring pin). Install the shipping cap. Unscrew the nitrogen cylinder brackets and remove the nitrogen cylinder from the extinguisher.
 5. Remove the 50 ft. discharge hose from the storage rack and disconnect the hose from the agent cylinder fitting. Blow out any dry chemical agent remaining in the hose. Clean hose, agent cylinder fitting and gaskets.
 6. Remove remainder of ruptured moisture seal and moisture seal gasket from female hose coupling. Replace with new P/N: 07411 Moisture Seal Assembly. Follow instructions printed on the P/N: 07411 package.
 7. Remove agent fill cap and gasket. Clean, lubricate and set parts aside. Check the condition of remaining chemical (replace any dry chemical that is contaminated or caked). Fill extinguisher with the type and amount of dry chemical shown on the extinguisher label - verify gross weight. Install the fill cap and tighten securely.

WARNING: DO NOT OVERFILL THE EXTINGUISHER. THIS COULD CAUSE A MALFUNCTION OR PREMATURE RUPTURE OF THE SAFETY DISC. DO NOT MIX TYPES OF AGENTS - THIS CAN CAUSE A DANGEROUS PRESSURE BUILD UP AND REDUCE EXTINGUISHER EFFECTIVENESS.

8. Install the 55 ft³ nitrogen cylinder (pressurized to 2015 psi), remove the shipping cap, [remove temporary (shipping) ring pin, install large ring pin and lockwire seal - "T" quick release valve]. Place nitrogen cylinder on the extinguisher, tighten nuts securely and attach the nitrogen hose. On a handwheel type nitrogen valve a lead wire seal (tamper indicator) must be in place
9. Re-attach the discharge hose to the extinguisher (tighten hand tight plus a 1/4 turn). Properly coil the hose onto the storage rack. Reattach the shutoff nozzle firmly to the hose and store it in the mount with the shutoff lever in the CLOSED (forward) position.
10. Record the service date on the inspection tag and place the extinguisher in its proper location.

TROUBLESHOOTING GUIDE

WARNING: BEFORE ATTEMPTING TO CORRECT ANY LEAKAGE PROBLEM, BE SURE THAT THE AGENT CYLINDER IS COMPLETELY DEPRESSURIZED. ALWAYS USE CAUTION WHEN OPENING THE SHUTOFF NOZZLE OR ANY OTHER CONNECTION AS A LEAKING NITROGEN CYLINDER VALVE SEAT MAY HAVE PRESSURIZED THE AGENT CONTAINER. REFER TO THE RECHARGE PROCEDURE FOR PROPER METHOD OF DEPRESSURIZATION.

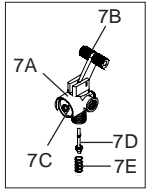
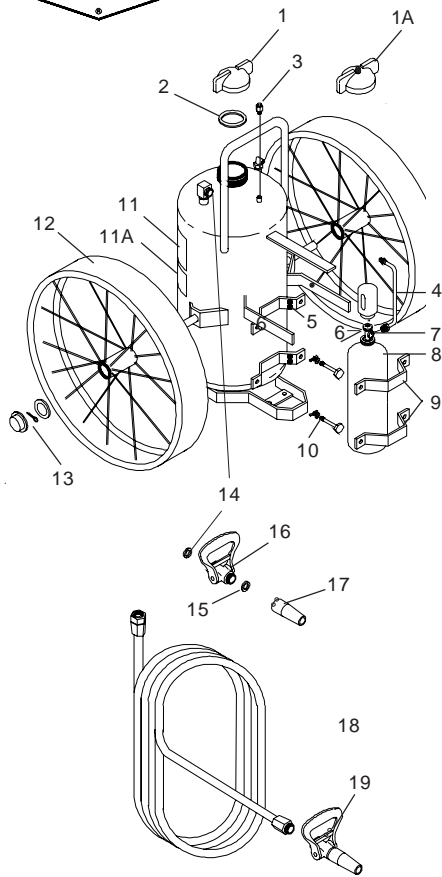
PROBLEM	CORRECTIVE ACTION																																
1. Nitrogen cylinder gauge reads low or high.	1. Temperature may have affected the pressure reading. <table style="margin-left: 20px;"> <tr> <td>Temperature F</td> <td>35°</td> <td>70°</td> <td>120°</td> </tr> <tr> <td>Temperature C</td> <td>2°</td> <td>21°</td> <td>49°</td> </tr> <tr> <td colspan="4">Recommended Pressure</td> </tr> <tr> <td>psi</td> <td>1880</td> <td>2015</td> <td>2200</td> </tr> <tr> <td>mPa</td> <td>13.0</td> <td>13.9</td> <td>15.2</td> </tr> <tr> <td colspan="4">Minimum Pressure</td> </tr> <tr> <td>psig</td> <td>1590</td> <td>1700</td> <td>1900</td> </tr> <tr> <td>mPa</td> <td>11.0</td> <td>11.7</td> <td>13.1</td> </tr> </table> <p><i>No corrective action is required if the pressure is within parameters stated above.</i></p>	Temperature F	35°	70°	120°	Temperature C	2°	21°	49°	Recommended Pressure				psi	1880	2015	2200	mPa	13.0	13.9	15.2	Minimum Pressure				psig	1590	1700	1900	mPa	11.0	11.7	13.1
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2. Nitrogen pressure is too low. Valve is closed. Tamper seal is intact. Pressure in agent cylinder and the nitrogen cylinder.	2. Valve seat has leaked and has pressurized the agent cylinder. Follow RECHARGE PROCEDURE for restoring the extinguisher to service.																																
3. Nitrogen pressure is too low. Valve is closed. Tamper seal is intact. No pressure observed in the agent cylinder.	3. Leakage in the nitrogen valve at other than the valve seat. Replace with a properly charged nitrogen cylinder.																																
4. Shutoff nozzle lever does not move freely.	4. Clean and lubricate.																																
5. Unable to remove the agent cylinder cap.	5. Agent cylinder may be pressurized. Make no further attempt to remove the cap until this is checked. See the RECHARGE PROCEDURE for proper depressurization method.																																
6. Nitrogen hose cut, cracked or abraded.	6. Replace hose assembly with Amerex P/N: 7292																																
7. Chemical agent and pressure leaking from the safety disc assembly.	7. Inspect safety outlet for tightness or damage. Tighten if necessary. Note: Only tighten the large hex nut of the assembly. The small round nut containing the holes is factory set to specific torque value. Do not attempt to adjust. If damaged, leaking or ruptured, replace complete Amerex P/N: 3787 Safety Disc Assembly.																																



PARTS LIST
for
**300 / 350 LB. WHEELED / STATIONARY
DRY CHEMICAL Extinguishers**

55 CU. FT. Nitrogen Cylinder

WHEELED MODELS
491 300 LB. ABC
492 350 LB. REGULAR
493 300 LB. PURPLE K
STATIONARY MODELS
464 300 LB. ABC
465 350 LB. REGULAR
466 300 LB. PURPLE K



ITEM NO.	PART NO.	DESCRIPTION	STD. PKG.
1	6993	Cap (Forged Brass), Agent Cylinder	1
1A	12576	Cap (Forged Brass), Agent Cylinder with Pressure Indicator	1
2	2272	Gasket, Cap	1
3	3787	Safety Disc Ass'y - 491, 492, 493	1
	7665	Safety Disc Ass'y - 464, 465, 466	1
4	7292	Nitrogen Hose Ass'y	1
5	13958	Bumper, Rubber	12
<input checked="" type="checkbox"/>	1387	Lock Wire Seal (Yellow) for "T" Handle Valve	500
6	4195	Lead Wire Seal for Nitrogen Valve	12
7	2233	Nitrogen Valve (Handwheel) with Gauge	1
7A	12467	Nitrogen Valve ("T" Handle) with Gauge	1
7B	6373	Valve Lever ("T" Handle with Roll Pin and Knobs)	1
7C	10213	Gauge - 3000 PSI	1
7D	9897	Valve Stem Ass'y	6
7E	12466	Spring	6
8	6809	Nitrogen Cylinder, 55 cu. ft., charged, Including Valve, Gauge and Protective Cap	1
9	11021	Retaining Strap - Nitrogen Cylinder	1
10	11970	Bolt, Washer and Wing Nut	1
11		Nameplate (Mylar Label) - Non U.L. SPECIFY MODEL NUMBER OF THE EXTINGUISHER	1
11A	7485	Pictogram - 491 & 464	1
	7484	492, 493, 465, 466	1
12	7026	Wheel Ass'y, 36" X 6" - Red	1
<input checked="" type="checkbox"/>	7607	Wheel Ass'y, 36" X 6" with Rubber Tread	1
13	7389	Hub Cap (Metal) with Washer and Cotter Pin	1
14	7411	Moisture Seal (Includes Disc & Clear Vinyl Gasket)	1
15	3877	Gasket, Hose / Nozzle	6
16	6279	Ball Valve Ass'y	1
17	8260	Nozzle Tip - 491, 492, 464, 465 (.531)	1
	8261	493, 466 (.469)	1
18	6814	Hose Ass'y - 1" x 50 Ft.	1
19	7385	Nozzle Ass'y (Ball Valve & Tip) - 491, 492, 464, 465	1
	7387	493, 466	1
20	4892	Hydrotest Adapter (Cylinder)	1
21	9857	Fill Adapter (Hose Hydrotest Adap. - Female)	1
22	5723	Hose Hydrotest Adapter (Male Plug)	1
<input checked="" type="checkbox"/>		PART NOT PICTURED	

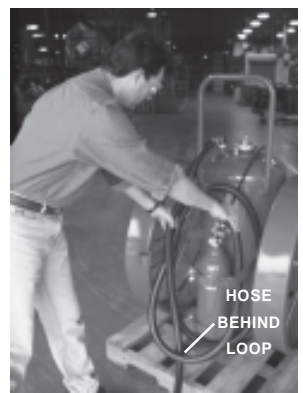


1

Connect hose coupling to outlet on the extinguisher. Lay hose straight on ground to its full 50 ft. length. Start first regular loop counter-clockwise by placing between side brackets and over the top bracket.

2

The second loop is a REVERSE loop. Notice that the hose passes behind the loop on this reverse loop. **If instructions are followed, the hose will uncoil without kinks.**



HOSE BEHIND LOOP

Guide to Proper Installation of Hose on Wheeled or Stationary Fire Extinguishers

3

The next loop is a regular "hose in front" loop. Succeeding loops are alternated: reverse, front, reverse, etc. for six full loops.

4

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

