

OWNER'S SERVICE MANUAL

INSTALLATION, OPERATING & SERVICING INSTRUCTIONS



MANUAL PN 13259

WET CHEMICAL PORTABLE EXTINGUISHERS

MODELS B260/B260CG, B262/B262CG, C260/C260CG & C262/C262CG

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

When maintenance is indicated it shall 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 Corporation 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 that 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 that are incorrectly labeled as UL component parts, some are advertised as Amerex type. None of these meet UL requirements and all of them void the Amerex extinguisher warranty and UL listing. **DO NOT SUBSTITUTE.**

RECHARGE FIRE EXTINGUISHERS IMMEDIATELY AFTER ANY USE

REFERENCES IN THIS MAUNUAL:

NFPA 10 Portable Fire Extinguishers

CGA C-1 Methods for Pressure Testing Compressed Gas Cylinders

CGA C-6 Standard for Visual Inspection of Steel Compressed Gas Cylinders.

National Fire Code of Canada

AVAILABLE FROM:

National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471

Compressed Gas Association, 14501 George Carter Way, Chantilly, VA 20151-2923

Compressed Gas Association, 14501 George Carter Way, Chantilly, VA 20151-2923

National Research Council Canada, 1200 Montreal Road, Ottawa, ON K1A 0R6 Canada

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INSPECTING THE EXTINGUISHER

This extinguisher shall be inspected at regular intervals (monthly or more often if circumstances require) to insure that it is ready for use.

INSPECTION NFPA 10 A "quick check" shall be made of the extinguisher for the following:

1. Located in designated place.
2. No obstructions to access or visibility.
3. Operating instructions visible on nameplate (label) and facing outward.
4. Tamper seal not broken or missing.
5. Determine fullness by weighing or "hefting".
6. Examine for obvious physical damage, corrosion, leakage or clogged nozzle.
7. Pressure gauge reading in the operable range.

MAINTENANCE – SERVICE PROCEDURE

MAINTENANCE NFPA 10 At least once a year (or more frequently if indicated by an inspection), maintenance shall 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.

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 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, using the proof pressure method and a suitable cage, in accordance with CGA Pamphlet C-1 and NFPA 10.

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 weight printed on the maintenance section of the nameplate (label). Recharge extinguisher if weight is not within the indicated allowable tolerances.
4. Check the date of manufacture on the extinguisher cylinder hanger loop or on the extinguisher nameplate. Cylinder must be hydrostatically tested every 5 years to the test pressure indicated on the label. REPLACE EXTINGUISHING AGENT WITH NEW AMEREX CHARGE AT TIME OF HYDROTEST.
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 over-pressurized (overcharged), depressurize, examine the internal components of extinguisher, recharge with a new Amerex charge and repressurize. Check for leaks.

CAUTION: Be prepared for some discharge of liquid.

6. Inspect the footstand (base). If cracked or broken replace with proper footstand.
7. Check pull pin for freedom of movement by breaking the tamper seal and removing the pull pin. Replace the pull pin if bent or if removal is difficult.
8. Inspect discharge lever for dirt or corrosion that might impair freedom of movement. Inspect carrying handle for proper installation. If lever, handle or rivets are damaged or distorted, replace with proper Amerex part(s).
9. Remove hose assembly, inspect hose assembly for damage, replace as necessary. Blow air through hose assembly to insure passage is clear of foreign material.

10. Inspect the valve assembly for corrosion or damage to hose thread connections. Replace valve assembly or component parts as necessary following the proper depressurization and recharge procedures.
11. Install hose assembly into operating valve. For B260 and B262 models, torque swivel nut lightly with 15/16" wrench. For C260 and C262 models, torque hose end hand tight. Install in hose clip.
12. Install new tamper seal and record service data on the extinguisher inspection tag.
13. Rehang the extinguisher on the wall hanger bracket making sure that it fits the hanger bracket properly, replace the bracket if necessary.

RECHARGE

RECHARGING NFPA 10 The replacement of the extinguishing agent and includes the expellant for this type of extinguisher.

- WARNING:**
- a. Before attempting to recharge be sure this extinguisher is completely depressurized.
 - b. Use a regulated nitrogen pressurizing source. Set the regulator no more than 25 psi (172 kPa) higher than the gauge operating pressure.
 - c. Calibrate regulator gauge at frequent intervals. The regulator gauge shall be used to determine when the intended charging pressure has been reached. Do not use the extinguisher gauge for this purpose.
 - d. 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.

RECHARGING PROCEDURE

1. Complete the "Maintenance-Service Procedure", items 1 thru 10.
 2. Discharge all remaining pressure and wet chemical solution, making sure that there is no remaining pressure. Do not top off or reuse wet chemical.
 3. Remove the valve assembly and disassemble by removing downtube assembly (use a wrench on the brass retainer, not the plastic tube), spring and valve stem from the valve assembly. Remove the collar O-ring from the valve assembly. Install a new valve stem and O-ring after lightly lubricating with V-711 (do not lubricate valve stem seal).
 4. Thoroughly rinse all parts with clean water and wipe dry with a soft cloth. Blow the valve out with air or nitrogen. Inspect the collar O-ring, valve stem and spring – replace parts if worn or damaged. Lubricate the collar O-ring and small O-ring on the valve stem with V-711 (do not lubricate the valve stem seal). Inspect the downtube. If it is cracked or deformed replace with proper downtube (see parts list). Inspect downtube O-ring, replace if necessary.
 5. Remove fill tube. Rinse the cylinder with clean water and inspect the interior following CGA Visual Inspection Standard, Pamphlet C-6. Replace fill tube.
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6. Model B260 & C260 (6 liter) – Recharge using the Model 530-2 Liquid Charge following the instructions on the package.
Model B262 & C262 (2½ Gallon) – Recharge using the Model 660 Liquid Charge following the instructions on the package.
 7. Install a "Verification of Service" collar around neck of cylinder. Install valve assembly to the cylinder and properly align.

CAUTION: TIGHTEN VALVE COLLAR NUT BY HAND ONLY. DO NOT USE WRENCH.

8. For Models B260 and B262, use PN 09492 Fill (Pressurizing) Adapter. For Models C260 and C262, use PN 02141 Fill (Pressurizing) Adapter. Install adapter on the valve outlet (where the hose assembly attaches) and pressurize with nitrogen to 100 psi (690 kPa). The pressure regulator shall be set to no more than 125 psi (862 kPa). Remove Fill Adapter.
9. Check the collar, gauge, cylinder welds and valve orifice for leaks using a leak detection fluid or a solution of soapy water. Remove leak detection fluid from the valve assembly by blowing out with air and wipe exterior of the extinguisher to dry.
10. Install hose assembly into the operating valve. For B260 and B262 models, torque swivel nut lightly with 15/16" wrench. For C260 and C262 models, torque hose end hand tight. Install in hose clip.
11. Install pull pin with ring facing front of the extinguisher. Install new tamper seal. Record recharge date and attach new recharge tag.
12. Weigh assembled extinguisher and confirm that the total weight is within the allowable tolerances indicated in the maintenance section on the extinguisher nameplate (label).

TROUBLESHOOTING GUIDE

WARNING: Determine the source of a leak before the extinguisher is depressurized. THE EXTINGUISHER MUST BE COMPLETELY DEPRESSURIZED BEFORE ANY ATTEMPT IS MADE TO DEVALUE IT AND CORRECT ANY LEAKAGE PROBLEM. To depressurize – hold the extinguisher in an inverted position and slowly squeeze the discharge handle. Some liquid remaining in the downtube will be discharged so care shall be taken in the area used for depressurization. Thoroughly clean all valve parts after depressurization and valve removal.

	PROBLEM	CORRECTIVE ACTION
1.	Leak at collar O-Ring.	Remove valve assembly, clean collar (knurled) nut thoroughly and install new O-ring. Lubricate the O-ring with V-711 (PN 06247).
2.	Leak through valve.	Install new valve stem assembly. Check valve seat for scratches or foreign matter.
3.	Leak around gauge threads.	Remove gauge and reinstall using Teflon tape on the gauge threads.
4.	Defective gauge.	Remove defective gauge and install a new PN 17420 gauge using Teflon tape on the gauge threads.
5.	Restricted or intermittent agent discharge stream.	Check downtube strainer and discharge nozzle for dirt, sediment or impediments. Clean or replace parts as necessary.
6.	Leak in the cylinder.	Contact Amerex if under warranty, otherwise mark "Rejected" and return to owner.
7.	Broken footstand.	Install new footstand (PN 03109).

FOR REPLACEMENT PARTS SEE THE AMEREX PORTABLE AND WHEELED PARTS BOOK PN 27277 AVAILABLE AT <http://www.amerex-fire.com> UNDER MANUALS OF THE LEARNING CENTER.