OWNER'S SERVICE MANUAL (Manual Pt No.: ZX-UL-SM-003 Rev.06)

Victory Fire & Gas Inc.
1713 Lewis Street, Bay City, MI. 48706.
Tel: +1 (989).322.0856.
E-Mail: info@victoryfiregas.com
Website http://www.victoryfiregas.com

HAND PORTABLE CARBON DIOXIDE EXTINGUISHERS

MODELS: CO5LB, CO10LB, CO15LB, CO20LB

INSTALLATION, OPERATION, SERVICE AND RECHARGE INSTRUCTIONS

VICTORY FIRE AND GAS INC. DOES NOT SERVICE, MAINTAIN, OR RECHARGE FIRE EXTINGUISHERS. THIS MANUAL IS PROVIDED SOLELY AS A GUIDE TO ASSIST QUALIFIED SERVICE PERSONNEL IN THE INSPECTION, MAINTENANCE, AND RECHARGE OF VICTORY FIRE AND GAS INC. EXTINGUISHERS. NO INSTRUCTION MANUAL CAN ANTICIPATE EVERY POSSIBLE MALFUNCTION THAT MAY OCCUR DURING FIRE EXTINGUISHER SERVICING. DUE TO THE POSSIBILITY OF IMPROPER PRIOR SERVICE, IT IS CRUCIAL THAT ALL WARNINGS, CAUTIONS, AND NOTES IN THIS MANUAL BE FOLLOWED CAREFULLY. FAILURE TO DO SO MAY RESULT IN SERIOUS INJURY. VICTORY FIRE AND GAS INC. ASSUMES NO LIABILITY FOR THE SERVICE, MAINTENANCE, OR RECHARGE OF FIRE EXTINGUISHERS AND DISCLAIMS ANY RESPONSIBILITY ARISING FROM THE USE OF THIS MANUAL

© Copyright 2026 Victory Fire and Gas inc.

OWNER'S SERVICE MANUAL (Manual Pt No.: ZX-UL-SM-003 Rev.06)

Victory Fire & Gas Inc.
1713 Lewis Street, Bay City, MI. 48706.
Tel: +1 (989).322.0856.
E-Mail: info@victoryfiregas.com
Website http://www.victoryfiregas.com

TABLE OF CONTENTS

Table of Contents	Page 2
Important Notice	Page 2
Introduction	Page 3
General information	Page 3
References in this manual	Page 4
Descriptions	Page 4
New extinguisher – preparation for use	Page 5
Installation, service tools and safety	Page 5
Product specification	Page 6
How to use / operating instructions	Page 6
After use instructions	Page 7
Inspecting the extinguisher	Page 7
Maintenance	Page 8
Recharge	Page 9
Hydrostatic test requirements	Page 10
Troubleshooting guide	Page 11
Limited warranty	Page 12
Appendices A/B	Pages 13-14

WARNING

FAILURE TO FOLLOW THE INSTRUCTIONS CONTAINED HEREIN MAY RESULT IN PROPERTY DAMAGE AND / OR PERSONAL INJURY

IMPORTANT NOTICE

Any time an unusual extinguisher discrepancy is noticed or the specific corrective action or procedure required to resolve this condition is not fully understood, personnel should stop and seek proper qualified assistance prior to continuing.

For assistance, you may contact the nearest authorized Victory Fire and Gas Inc. fire extinguisher distributor. Your local distributor can be located in the phone book yellow pages, by contacting Victory Fire and Gas Inc. directly at +1 (989) 322 0856 or by logging on to www.victoryfiregas.com and selecting your local Victory Fire and Gas Inc. office.

VICTORY FIRE & GAS INC.
www.victoryfiregas.com
info@victoryfiregas.com

Michigan Corporate Office
1713 Lewis St
Bay City MI 48706
989.322 0856

Texas
15550West Hardy
Houston TX 77060
281 405 0175

Illinois
162 N.Brandon Dr.
Glendale Heights IL 60139
312 965 2697

Northern CA
2214 American Ave
Hayward CA 94545
510 861 5311

Pennsylvania
30 Three Tun Rd, Unit C
Malvern PA19335
267 963 6411

Southern CA
14841 Proctor Ave Unit C
City of Industry CA 91746
626.333 3033

Florida
5182 Le Tourneau Circle
Tampa FL 33610
813 999 4424

Georgia
3968 Shirley Drive
Atlanta GA 30336
770 283 4780

CANADA BC
104-1772 Broadway St.
Port Coquitlam, BC V3C2M8
778-222-6765

CANADA Toronto ON
1104 Fewster Drive Unit 12 & 13
Mississauga ON L4W2V7
416-898-6390

© Copyright 2026 Victory Fire and Gas inc.

Victory Fire & Gas Inc.
1713 Lewis Street, Bay City, MI. 48706.
Tel: +1 (989).322.0856.
E-Mail: info@victoryfiregas.com
Website http://www.victoryfiregas.com

INTRODUCTION

This manual is a guide for trained personnel who have the appropriate equipment to perform the necessary steps to properly perform operation, after use, inspection, maintenance, service and recharge of Victory Fire and Gas Inc. Hand Portable Carbon Dioxide **("CO_2")** fire extinguishers. 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. Victory Fire and Gas Inc. strongly recommends that a trained professional undertakes the maintenance of portable fire extinguishers – your local qualified Victory Service providers.

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

The instructions in the National Fire Protection Associations Standard for portable fire extinguishers (NFPA-10), the Code of Federal Regulations and the Compressed Gas Association (CGA) pamphlets are not generally repeated in the manual except where they may emphasize or clarify a point. Hydrostatic testing of fire extinguisher cylinders for example, is amply covered in NFPA-10 which reference procedures in relevant CGA pamphlets.

Any modification, reproduction or distribution of this document or any part of its contents is prohibited without written permission.

WARNING

RECHARGE FIRE EXTINGUISHERS IMMEDIATELY AFTER ANY USE

GENERAL INFORMATION

These Victory Fire and Gas Inc. extinguisher models are hand portable extinguisher designs, which utilize polyester powder coated DOT-3AL aluminum alloy cylinders. These extinguishers offer protection from corrosive environments through robust preparation and manufacturing processes. The aluminum cylinder, operating valves, hose assembly (if fitted) and nozzle are high grade materials for years of trouble-free use. These models have a five-year warranty provided by Victory Fire & Gas Inc.

Victory Fire and Gas Inc. makes original factory spare parts available to ensure proper maintenance. **USE OF SUBSTITUTE PARTS RELEASES VICTORY OF ITS WARRANTY OBLIGATIONS.** Victory Fire and Gas Inc.'s spare parts have machined surfaces and threads that are manufactured to precise tolerances. O-rings, hose assemblies, nozzles, and all metal parts meet precise specifications and are subjected to multiple in-house inspections and tests for acceptability. The extinguishers are UL/ULC listed using only Victory Fire and Gas Inc. components. Only the spare parts listed in appendix A of this manual should be used. Spares are also available at www.victoryfiregas.com and through your Victory Fire and Gas Inc. distributors. **DO NOT SUBSTITUTE.**

Field recharging for carbon dioxide extinguishers is not possible after use. Only use refilling services that ensure CO_2 quality as specified (see NFPA10 clause 7.8.3.9 for full requirements). Pressure testing shall only be performed by facilities and personnel qualified in DOT cylinder testing. This applies throughout this manual. See NFPA Chapter 8 for full details.

This manual shall be used as a guide for operation, after use, inspection, maintenance, service, and recharge. The best place to have your extinguisher serviced and recharged is your Qualified Victory Service providers who have professional experience, training, and equipment to do it properly.

© Copyright 2026 Victory Fire and Gas inc.

OWNER'S SERVICE MANUAL (Manual Pt No.: ZX-UL-SM-003 Rev.06)

Victory Fire & Gas Inc.
1713 Lewis Street, Bay City, MI. 48706.
Tel: +1 (989).322.0856.
E-Mail: info@victoryfiregas.com
Website http://www.victoryfiregas.com

REFERENCES IN THIS MANUAL: (*) AVAILABLE FROM: (*)

Note (*): Address or contact details or references may change. Recommend checking online when required.

NFPA 10	Standard for Portable Fire Extinguishers 2026 Edition	**National Fire Protection Association** 1 Batterymarch Pk. P.O Box 9101 Quincy, MA. 02169-7471 www.nfpa.org
CGA C-1	Methods for Hydrostatic Testing of Compressed Gas Cylinders	**Compressed Gas Assoc., Inc.** 8484 Westpark Drive, Suite 220. McLean, Virginia 22102. www.cganet.com
CGA C-6.1	Standard for Visual Inspection of Aluminum High Pressure Compressed Gas Cylinders	**Compressed Gas Assoc., Inc** 8484 Westpark Drive, Suite 220 McLean, Virginia 22102. www.cganet.com
National Fire Code of Canada		**National Research Council Canada**, 1200 Montreal Road, Ottawa, ON K1A 0R6 Canada. https://nrc.canada.ca/en/

DESCRIPTIONS

The Victory Fire and Gas Inc. extinguishers are "self-pressurized" designs that contain carbon dioxide firefighting as agent and propellant within the same cylinder. The extinguishers are engineered to effectively discharge the contents. See appendix A for 3D drawing show all parts.

1. Agent Cylinder	Cylinder containing the carbon dioxide agent liquefied under pressure.
2. Discharge Valve Assembly	Includes carrying handle and operating lever, valve body, valve stem, spring, and discharge outlet that permits the flow of the agent into the discharge nozzle or hose assembly when lever is pushed down to open valve. The discharge valve assembly is connected by thread to the agent cylinder. The discharge valve also contains the bursting disc and plug that will rupture to safely vent CO_2 if pressure exceeds permitted maximum.
3. Siphon (Dip) Tube Assembly	Spring is located into the coupling that is tightened into the discharge valve assembly. Hollow siphon tube is connected to coupling. Siphon tube assembly provides a means to pick up liquid CO_2 agent that will flow through the tube and through discharge valve assembly when the operating lever is depressed.
4. Ring Pin and Tamper Seals	Provides a visible means of assurance that the extinguisher has not been activated, discharged, or subjected to tampering. Also known as pull pin or safety pin. Ring pin inserted between handle and lever to prevent operation until withdrawn.
5. Discharge Hose and Horn Assembly	Provides a flexible means of agent application from the discharge valve to the nozzle. Discharge hose and horn assembly is only fitted to models containing 10lb., 15lb. or 20lb. of CO_2.
6. Discharge Horn Assembly (swivel horn type)	Swivel nozzle design connected directly to discharge valve. Contains orifice that controls rate of application and discharge pattern. Discharge Horn is only used for models containing 5 lb. of CO_2.

© Copyright 2026 Victory Fire and Gas inc.

Victory Fire & Gas Inc.
1713 Lewis Street, Bay City, MI. 48706.
Tel: +1 (989).322.0856.
E-Mail: info@victoryfiregas.com
Website http://www.victoryfiregas.com

NEW EXTINGUISHER – PREPARATION FOR USE

1. Upon receipt examine the extinguisher for evidence of shipping damage. Notify the delivery carrier immediately if any damage is discovered.
2. For 5lb model - Check to ensure that the discharge horn is undamaged and tight and secure.
3. For 10/15/20lb models the hose and horn assembly is shipped assembled to the valve. Check condition of the hose and horn. Check threads are fully tightened and secure on the valve.
4. Check to ensure that the ring (safety/pull) pin is straight and undamaged and installed in the operating valve between handle and lever. Check the tamper seal sufficiently tight to retain the ring (safety/pull) pin securely in position.
5. This extinguisher is shipped from the factory fully charged. The gross weight is indicated on the nameplate (label) with permitted tolerances. Check the extinguisher's gross weight is within stated tolerances using accurate weighing scales.
6. Record the date the unit is being placed into service on the inspection tag and securely attach it to the extinguisher.

INSTALLATION

Your layout and particular hazards dictate the placement of fire extinguishers. NFPA-10 requires that hand portable extinguishers with a gross weight less than 40 lbs. be hung with the top of the extinguisher **not more** than 5 ft. (1.53 m) above the floor. Extinguishers having a gross weight greater than 40 lbs. (18.14 kg) should be installed so that the top of the extinguisher is **not more** than 3 1/2 ft. (1.07m) above the floor. Extinguishers should be mounted in a clean and dry location, accessible to possible fire hazards and preferably near an exit. **Never install the extinguisher in a location where a potential hazard would prevent easy access.**

Use the mounting bracket supplied with extinguisher or an approved Victory vehicle bracket if needed. Secure to a solid surface using the appropriate fixings for the surface (not supplied) to firmly hold the bracket in place.

The operational temperature range for this extinguisher is -22°F to +120°F (-30°C to +49°C) [please see the nameplate on your extinguisher]. 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 that 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 over time and make the extinguisher ineffective). Never throw an extinguisher into a fire because rapid heat buildup could cause pressure expansion and exceed the limitations of the cylinder.

NOTE

Marine (USCG) approval is valid only when the extinguisher is equipped with an approved marine type of bracket. See nameplates for correct bracket for this application for models that have USCG approval.

SERVICE TOOLS

Victory Fire and Gas Inc. recommends that only the correct tools, weighing scales and filling adaptors are utilized for service and recharge to ensure correct assembly and filling (See appendix B for detail). Victory Fire and Gas Inc. recommended tightening torque values should be followed. **DO NOT OVERTIGHTEN** or **CROSS THREAD** any threaded connections.

SAFETY

Victory Fire and Gas Inc. recommends the appropriate personal protective equipment (PPE) to be used as described in the Safety Data Sheet (SDS) available on the Victory Fire and Gas Inc. website (www.victoryfiregas.com). Observe instructions for the disposal in accordance with SDS.

© Copyright 2026 Victory Fire and Gas inc.

Victory Fire & Gas Inc.
1713 Lewis Street, Bay City, MI. 48706.
Tel: +1 (989).322.0856.
E-Mail: info@victoryfiregas.com
Website http://www.victoryfiregas.com

PRODUCT SPECIFICATION

THE FULL SPECIFICATION FOR EACH MODEL CAN BE FOUND WITHIN THE PRODUCT BROCHURES TOGETHER WITH SAFETY INFORMATION ON THE VICTORY FIRE AND GAS INC. WEBSITE (WWW.VICTORYFIREGAS.COM). DISCHARGE TIME AND EFFECTIVE RANGE OF THE AGENT THROW VARIES ACCORDING TO MODEL – SEE THE SPECIFICATION LITERATURE FOR YOUR EXTINGUISHER.

HOW TO USE / OPERATING INSTRUCTIONS

WARNING

CARBON DIOXIDE EXTINGUISHES FIRE BY DILUTING THE SURROUNDING ATMOSPHERE WITH INERT GAS, KEEPING THE OXYGEN LEVEL BELOW THE PERCENTAGE REQUIRED FOR COMBUSTION. WHEN USED IN AN UNVENTILATED SPACE, SUCH AS A SMALL ROOM, CLOSET OR OTHER CONFINED AREA, PROLONGED OCCUPANCY OF THAT SPACE CAN RESULT IN LOSS OF CONSCIOUSNESS AND POSSIBLE DEATH DUE TO OXYGEN DEFICIENCY.

WHEN DISCHARGING CARBON DIOXIDE FOR RECHARGE, MAINTENANCE, AND SERVICING, IT SHOULD ALWAYS BE DISCHARGED TO AN OUTSIDE ATMOSPHERE FOR THE REASONS STATED ABOVE.

ALWAYS WEAR HAND AND FACE PROTECTION TO AVOID SKIN CONTACT – CARBON DIOXIDE (GAS OR SNOW) IS EXTREMELY COLD AND COULD CAUSE BURNS OR FROSTBITE.

PERSONS EXPECTED TO USE THIS FIRE EXTINGUISHER SHOULD BE TRAINED IN INITIATING ITS OPERATION AND IN THE PROPER-FIREFIGHTING TECHNIQUE. FAMILIARIZE ALL PERSONNEL WITH THIS INFORMATION BEFORE AN EMERGENCY OCCURS.

FAILURE TO STAND BACK AT A SUFFICIENT DISTANCE FROM FRONT EDGE OF THE FIRE OR USE AN INADEQUATE SWEEPING TECHNIQUE OF THE AGENT STREAM COULD SPLASH AND / OR SCATTER BURNING MATERIALS.

1. Remove the extinguisher from its hanger or bracket.
2. Pull and remove the ring (safety) pin, breaking the visual tamper seal.
3. Using the extinguisher carrying handle, transport the unit to a safe position upwind of the fire.
4. Hold horn on hand grip only grasping the horn or swivel metal discharge tube could cause cold burn. The 5 lb. model has a swivel and once aimed will maintain that same fixed position and is not required to be held during discharge.
5. Starting back at approximately 8 ft for 5lb. from or 10 ft for 10,15 or 20lb. models squeeze the operating lever fully to initiate the agent discharge.
6. Apply the CO_2 discharge in a gentle sweeping manner past both fire edges, being careful not to scatter the fuel. Operators can advance closer as control of the fire is gained; however, they should avoid stepping into the fuel or fire area.
7. When the fire is out, release operating levers to stop discharge, standby if practical, until the burning media has cooled to ensure extinguishment.
8. Evacuate and ventilate the area immediately after extinguishing the fire. The fumes and smoke from any fire may be hazardous and can be deadly.
9. Ensure the burning media is properly removed and disposed of in accordance with any local handling requirement.

REMEMBER STEPS. P.A.S.S. PULL AIM SQUEEZE SWEEP

CAUTION

ENSURE THE FIRE IS COMPLETELY EXTINGUISHED AND THERE IS NO RISK OF FLASHBACK BEFORE MOVING TO A SUITABLE LOCATION FOR RECHARGE.

© Copyright 2026 Victory Fire and Gas inc.

Victory Fire & Gas Inc.
1713 Lewis Street, Bay City, MI. 48706.
Tel: +1 (989).322.0856.
E-Mail: info@victoryfiregas.com
Website http://www.victoryfiregas.com

AFTER USE INSTRUCTIONS

Notify the person responsible that an extinguisher has been used, so that the extinguisher can be recharged, or a replacement obtained.

WARNING

RECHARGE FIRE EXTINGUISHERS IMMEDIATELY AFTER ANY USE

1. **BEFORE ATTEMPTING TO DISASSEMBLE, BE SURE THE EXTINGUISHER IS COMPLETELY DEPRESSURIZED. TO DEPRESSURIZE – HOLD THE EXTINGUISHER FIRMLY AND SLOWLY SQUEEZE THE DISCHARGE HANDLE AND LEVER TO GENTLY RELEASE CO2. SEE TROUBLE SHOOTING SECTION FOR MORE DETAILS.**
2. **DO NOT REMOVE VALVE ASSEMBLY OR BURSTING DISC NUT.**
3. **RECHARGING SHALL ONLY BE PERFORMED BY FACILITIES COMPETENT FOR INSPECTION, PROOF TESTING AND REFILLING.**
4. **CO_2 EXTINGUISHERS ARE FILLED BY WEIGHT WITHIN ALLOWABLE LIMITS. SEE NAMEPLATE OR WEIGHT STAMPED ON VALVE BODY FOR FILL SPECIFICATION.**
5. **NEVER LEAVE AN EXTINGUISHER CONNECTED TO A REGULATOR OF A HIGH-PRESSURE CO2 SOURCE FOR AN EXTENDED PERIOD. A DEFECTIVE REGULATOR COULD CAUSE THE CYLINDER TO RUPTURE DUE TO EXCESSIVE PRESSURE OR RUPTURE THE BURSTING DISC RELEASING ALL CONTENTS.**

INSPECTING THE EXTINGUISHER

The inspection procedures outlined below may not be sufficient for every jurisdiction or location and should be used in conjunction with the NFPA 10 Standard for Portable Fire Extinguishers.

PERIODIC INSPECTION PROCEDURES

(Monthly or more often if circumstances dictate)

WARNING

FOR SAFETY PURPOSES, IF AN EXTINGUISHER SHOWS SIGNS OF CORROSION OR MECHANICAL DAMAGE, IT SHALL BE SUBJECTED TO A HYDROSTATIC PRESSURE TEST OR REPLACED.

According to NFPA-10, the inspection 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 verifying that it is in its designated place, that it has not been actuated or subjected to tampering, and that there is no obvious physical damage or condition to prevent its operation.

Inspections should be conducted whenever extinguishers are initially placed into service and there-after 30-day/monthly intervals. When circumstances require, more frequent intervals may be necessary. Any time an inspection reveals a discrepancy; maintenance and service procedures should be performed. **Periodic inspection of fire extinguishers shall include a check of at least the following items:**

1. Location in designated place.
2. Visibility of extinguisher or means of indicating the extinguisher location.
3. Access to the extinguisher
4. Fullness determined by weighing or hefting.
5. Ensure the nameplate is secure, legible, that the "operating instructions" face outward and HMIS (or WHMIS Canada) information is visible.
6. Safety seals and tamper indicators not broken or missing.
7. Examination for obvious physical damage, corrosion, leakage, or clogged nozzle.
8. Date and initial the inspection tag or record in accordance with NFPA-10 or local requirements

© Copyright 2026 Victory Fire and Gas inc.

Victory Fire & Gas Inc.
1713 Lewis Street, Bay City, MI. 48706.
Tel: +1 (989).322.0856.
E-Mail: info@victoryfiregas.com
Website http://www.victoryfiregas.com

MAINTENANCE

Per NFPA-10, An annual external visual examination of all fire extinguishers shall be made to detect obvious physical damage, corrosion, or nozzle blockage to verify that the operating instructions are present, legible, and facing forward, and that the HMIS information is present and legible, and to determine if hydrostatic test is due. Maintenance should be performed at intervals not to exceed one year apart or any time an inspection discrepancy dictates.

MAINTENANCE – SERVICE PROCEDURE

1. Ensure the extinguisher is installed in its proper location and that it is readily accessible. Victory Fire and Gas Inc. CO2 (carbon dioxide) extinguisher models are approved for temperatures between -22°F to +120°F (-30°C to +49°C).
2. Remove extinguishers from hanger or bracket ensuring that mounting hardware is correctly installed, secure and in good operating condition. Clean extinguisher to remove dirt, grease, or foreign material. Check to make sure that the instruction nameplate is securely attached and legible. Inspect the cylinders for corrosion, abrasion, dents, or damage. If any damage is found, hydrostatically test in accordance with instructions in DOT requirements.
3. Inspect discharge lever for any dirt or corrosion which might impair freedom of operation. Inspect carrying handle for proper installation. If lever, handle or rivets are damaged, replace using only Victory Fire and Gas Inc. parts (see appendix A).
4. Weigh the extinguisher and compare it with weight printed in the "Maintenance" section on the nameplate (label). Recharge extinguisher if weight is not within indicated allowable tolerances. Any extinguisher not falling within the tolerance limits shall be properly recharged. See recharge section.
5. Check the date of manufacture stamped on the extinguisher cylinder or shown on nameplate. The cylinder must be hydrostatically tested every five years to the pressure indicated on the nameplate. Never place an extinguisher back into service if hydro test is overdue. Always complete hydro test in accordance with DOT requirements and if acceptable return to service. **Always refill with correct amount of carbon dioxide. DO NOT OVERFILL. Always use an approved source of carbon dioxide. DO NOT USE DRY ICE. Use only approved equipment, hose, and recharge fittings to ensure safe and efficient methods.**
6. Remove pull pin breaking tamper seal. Replace if bent or if removal appears difficult. Install new tamper seal. Take care not to accidentally discharge the extinguisher with safety pin removed.
7. Remove horn (5 lb.) or hose assembly (10, 15, 20 lb.). Inspect nozzle; horn for brittleness or cracks and the hose assembly for damage – replace, as necessary. Blow air through horn or hose assembly to ensure passage is clear of foreign material or obstruction.
8. Carbon dioxide hose assemblies used with (10, 15 and 20 lb. models) have a continuous metal braid that connects both metal couplings to minimize electric shock during carbon dioxide discharge. The continuity test shall be performed using a basic conductivity tester consisting of a flashlight having open circuit and a set of two wires with a conductor at each end (see NFPA10 section 7.4 for full details).
9. Inspect around the valve assembly for corrosion or damage to hose thread connection or blockage. Visually check the pressure relief area for blockage or corrosion. Replace valve assembly or component parts as necessary following the proper depressurization and recharge procedures. If valve removal is necessary, complete all steps in the Recharge Procedure.
10. Inspect the 10, 15 & 20 lb. elbow for blockage or damage. The Victory 5 lb. CO2 diffuser is built into the swivel tube. Check the elbow and swivel tube for blockage or damage. Replace damaged parts with Victory replacement parts only.

© Copyright 2026 Victory Fire and Gas inc.

Victory Fire & Gas Inc.
1713 Lewis Street, Bay City, MI. 48706.
Tel: +1 (989).322.0856.
E-Mail: info@victoryfiregas.com
Website http://www.victoryfiregas.com

11. Reinstall horn and discharge tube (5 lb.) or hose and horn assembly (10, 15 & 20 lb.) to discharge valve. Check horn clip (10, 15 & 20 lb.) for damage and proper positioning. Replace, ensure firmly tightened and adjust alignment if necessary. For hose and horn assembly place horn inside loop on the strap.
12. Install tamper seal wrapping through loop and around levers to secure ring pin. Do not over stress tamper seal. Record recharge date and attach new recharge tag.
13. After completing the maintenance examination, properly tag, label, and record the procedure in accordance with NFPA-10 and any local requirements.
14. Replace the extinguisher on the wall hanger or in the vehicle bracket making sure that it fits the bracket properly and the bracket is securely attached – replace the bracket if necessary.

RECHARGE

WARNING

1. **BEFORE ATTEMPTING TO DISASSEMBLE, BE SURE THE EXTINGUISHER IS COMPLETELY DEPRESSURIZED.**
2. **RECHARGING - SHALL ONLY BE PERFORMED BY FACILITIES QUALIFIED IN DOT CYLINDER AND CARBON DIOXIDE FIRE EXTINGUISHER INSPECTION, MAINTENANCE, RECHARGE AND REFILLING.**
3. **THE WATER CONTENT FOR CO2 SHALL BE NOT MORE THAN 60 PARTS PER MILLION (PPM) BY WEIGHT AT −52°F (−47°C) DEW POINT. (SEE NFPA10 CLAUSE 7.8.3.9 FOR FULL REQUIREMENTS).**
4. **CO2 EXTINGUISHERS ARE FILLED BY WEIGHT. DO NOT OVERFILL. SEE NAMEPLATE OR WEIGHT STAMPED ON VALVE FOR FILL SPECIFICATION**
5. **NEVER LEAVE AN EXTINGUISHER CONNECTED TO A REGULATOR OF A HIGH-PRESSURE SOURCE FOR AN EXTENDED PERIOD.**
6. **A DEFECTIVE REGULATOR COULD CAUSE THE CYLINDER TO RUPTURE DUE TO EXCESSIVE PRESSURE.**

RECHARGING PROCEDURE

RECHARGING is the replacement of the carbon dioxide extinguishing agent

1. Perform steps 1 through 10 of the "Maintenance-Service Procedure" section.
2. Discharge all remaining pressure and contents, making sure that there is no remaining pressure. Retighten valve assembly. A proper valve installation occurs when the minimum tightness is used to make a leak-tight, valve-to-cylinder seal. **Do not over tighten valves! (Torque range 70-96 ft lbs. (95-130Nm)).** Over-tightening can damage both valve and cylinder and may lead to unsafe situations that can cause property damage, injury and/or loss of life.
3. Check the extinguisher nameplate (label) for the correct weight of carbon dioxide to be pumped into the extinguisher. **Always use an approved source of carbon dioxide. DO NOT USE DRY ICE. Use only approved equipment, hose, and recharge fittings to ensure safe and efficient methods.**
4. Install the proper recharge adaptor suitable for Victory Fire and Gas Inc product. Adaptor must fit over diffuser tip on 5lb. Discharge Tube and elbow on 10, 15 & 20lb. without blocking diffuser holes. **DO NOT REMOVE 5 lb. DISCHARGE TUBE OR 10, 15 & 20 lb. ELBOW.**
5. Place extinguisher on an accurate scale and attach carbon dioxide supply line to the recharge adaptor.
6. Attach a device such as a "pony spring clamp" to hold the extinguisher valve lever in the squeezed or open position. Pump the correct weight of CO_2 into the extinguisher. **DO NOT OVERFILL**
7. When the proper weight is reached, release the clamp, shut off the CO_2 pump and vent the supply line.
8. Remove the CO_2 supply line and recharge adapter from the extinguisher valve.

© Copyright 2026 Victory Fire and Gas inc.

Victory Fire & Gas Inc.
1713 Lewis Street, Bay City, MI. 48706.
Tel: +1 (989).322.0856.
E-Mail: info@victoryfiregas.com
Website http://www.victoryfiregas.com

9. Check extinguisher for leaks by applying detecting fluid or a solution of soapy water to the around the collar O-ring sealing area and elbow. Remove leak detection fluid from the valve assembly and wipe exterior of the extinguisher to dry. If any leaks occur check trouble shooting guide.
10. Install ring (safety) pin with ring facing the front of the extinguisher.
11. Install tamper seal wrapping through loop and around levers to secure ring pin. Do not over stress tamper seal.
12. Install horn or hose assembly. Ensure firmly tightened and for hose assembly place hose inside loop on the strap.
13. Weigh assembled extinguisher and confirmed that the total weight is within the allowable tolerances indicated in the Maintenance section of the nameplate (label).
14. After completing the maintenance examination, properly tag, label, and record the procedure in accordance with NFPA-10 and any local requirements.
15. Replace the extinguisher on the wall hanger or in the vehicle bracket making sure that it fits the bracket properly and the bracket is securely attached – replace the bracket if necessary.

HYDROSTATIC TEST REQUIREMENTS

Hydrostatic testing shall be conducted using water or another compatible noncompressible fluid as the test medium. Victory Fire and Gas inc. carbon dioxide fire extinguisher cylinders require hydrostatic testing at periodic intervals or any time the integrity of the vessel is questioned from any visually observed condition.

Key Items for DOT Cylinders (See NFP10 Chapter 8 for full details)

- Specification cylinders and cartridges bearing US Department of Transportation (DOT) or Transport Canada (TC) markings shall be requalified (tested) in accordance with the applicable DOT or TC regulations..
- **Hydrostatic testing should only be performed by personnel trained in the appropriate testing procedures/safeguards and having the proper testing equipment, facilities, and information.**
- **Personnel performing hydrostatic testing shall be certified by an organization with a certification program acceptable to the authority having jurisdiction.**
- Evidence of conditions such as exposure to fire or heat, thread damage, thread wear, specific corrosion, cylinder repairs or physical damage as detailed within NFPA-10 require the extinguisher cylinder to be removed from service and proper disposal at the owner's direction.
- Any time a fire extinguisher is known to have contained agents, additives, or mediums other than that specified on the nameplate, it should be removed from service and properly disposed of at the owner's direction.
- No repairs to the cylinder are permitted. If such cylinder repairs are observed, the extinguisher should be removed from service and properly disposed of at the owner's direction.
- **Fire extinguishers having aluminum cylinders or shells suspected of being exposed to temperatures in excess of 350°F (177°C) shall be removed from service and subjected to a hydrostatic test.**
- Always check DOT requirements as they are subject to change.

Hydrostatic Re-Test Data:

Component Description	Periodic Test Interval	Proof Pressure
Agent Cylinder – all models	Initial test 5 years, then 5 years.	3,000 psi (20.69 MPa)

© Copyright 2026 Victory Fire and Gas inc.

Victory Fire & Gas Inc.
1713 Lewis Street, Bay City, MI. 48706.
Tel: +1 (989).322.0856.
E-Mail: info@victoryfiregas.com
Website http://www.victoryfiregas.com

TROUBLESHOOTING GUIDE

WARNING

TO AVOID RISK OF INJURY OF DEATH, SHOULD ANY AUDIBLE PRESSURE LEAK BE OBSERVED DURING DISASSEMBLY OF THE EXTINGUISHER, THEN TECHNICIANS SHOULD STOP SERVICE ACTIVITIES AND WAIT UNTIL ALL RESIDUAL PRESSURE IS RELEASED.

LEAKAGE

Determine the source of a leak before the extinguisher is depressurized. The extinguisher must be completely depressurized before any attempt is made to de-valve it and correct a leakage problem.

DEPRESSURIZE

Hold the extinguisher firmly and slowly squeeze the discharge handle to slowly discharge CO_2 until completely empty (no gas or sound of discharge). Thoroughly clean all valve parts after depressurization and valve removal.

WARNING

VICTORY FIRE AND GAS INC CO_2 VALVE BODIES AND ALUMINUM CYLINDERS ARE 1-1/8"-12 UNF PARALLEL THREADS. USE A CORRECT PARALLEL THREAD ADAPTER WHEN HYDROSTATICALLY TESTING. WHEN REINSTALLING THE VALVE ASSEMBLY, THE CYLINDER MUST BE PLACED IN A SUITABLE SECURING VICE. LUBRICATE O-RING AREA ONLY. THE THREADS OF PARALLEL THREADED CYLINDERS REQUIRE NO LUBRICATION FOR PROPER VALVE INSTALLATION. A PROPER VALVE INSTALLATION OCCURS WHEN THE MINIMUM TIGHTNESS IS USED TO MAKE A LEAK-TIGHT, VALVE-TO-CYLINDER SEAL. **DO NOT OVER TIGHTEN VALVES! (TORQUE RANGE 70-96 FT LBS. (95-130NM)).** OVER-TIGHTENING CAN DAMAGE BOTH VALVE AND CYLINDER AND MAY LEAD TO UNSAFE SITUATIONS THAT CAN CAUSE PROPERTY DAMAGE, INJURY AND/OR LOSS OF LIFE. USE CORRECT TOOLS (SEE APPENDIX B FOR MORE DETAILS)

No	PROBLEM	CORRECTIVE ACTION
1	**Leak at collar O-ring**	**De-pressurize. Remove valve assembly, remove, and discard O-ring, clean collar, and lube lightly with Visilox V-711. Clean O-ring groove on valve and install new collar O-ring. Lubricate with Visilox V-711.**
2	**Leak through valve**	**De-pressurize. Check valve stem seating area for scratches or foreign matter. Clean seating area with a toothbrush and soft cloth. Install a new valve stem assembly.**
3	**Valve outlet thread or port obstructed or dirty**	**De-pressurize. Clear blockage, clean and recharge. If still blocked replace valve assembly with new. Tighten to correct maximum torque**
4	**Leak around safety relief nut**	**De-pressurize. Remove nut and gasket assembly, clean threads. Retighten to specification (see appendix B)**
5	**Wall hook / bracket loose or damaged**	**Secure, repair or replace**
6	**Leak during discharge under discharge lever**	**Remove valve assembly, downtube, spring and valve stem assembly. Install new valve stem assembly. Check valve seat for scratches or foreign matter.**
7	**Bent pull pin, corroded, damaged**	**Replace**
8	**Leak during discharge at hose connection elbow**	**Tighten hose connection at elbow on 10, 15 & 20 lb. Replace O-ring and/or elbow on 5 lb.**
9	**Lever or handle loose**	**De-pressurize and replace if possible or replace with new valve assembly**
10	**Damaged hose, horn, worn or cracked or corroded or if hose fails continuity test.**	**Replace**
11	**Nameplate instructions illegible**	**Replace**
12	**Agent cylinder damaged or corroded**	**Inspect and hydrostatic re-test or dispose of in accordance with NFPA-10. Contact Victory if under warranty, otherwise mark "REJECTED" and remove from service or return to owner.**
13	**Noise noticeable from within cylinder**	**De-pressurize and internally examine for broken siphon tube or foreign object**
14	**Total Charge weight of extinguisher different to tolerances on nameplate**	**De-pressurize and recharge**
15	**Hose strap damaged or missing**	**Replace (10, 15 or 20lb models only)**
16	**Horn or hose or coupling obstructed**	**Clear, clean and replace. If still obstructed, replace it with new.**

© Copyright 2026 Victory Fire and Gas inc.

Victory Fire & Gas Inc.
1713 Lewis Street, Bay City, MI. 48706.
Tel: +1 (989).322.0856.
E-Mail: info@victoryfiregas.com
Website http://www.victoryfiregas.com

LIMITED WARRANTY

Victory Fire and Gas Inc. **("Victory")** warrants its fire extinguishers ("**Products**") to be free from defects in material and workmanship for a period of five (5) years from the date of manufacture. Victory's responsibility for defects in material or workmanship is limited to repair or replacement of the products for the original retail purchaser ("Consumer") only. This limited warranty does not cover defects resulting from modification, abuse, accident, alteration, misuse, exposure to corrosive conditions, or improper installation or maintenance. No warranty is provided for products or components that have been subject to normal wear and tear, misuse, improper installation, incompatible chemicals/materials, corrosion; that have not been used for their intended purpose; or that have not been installed, maintained, modified, or repaired in accordance with applicable standards of the National Fire Protection Association and/or the standards of any other authorities having jurisdiction. Materials found by seller to be defective shall be either repaired or replaced, at seller's sole option. The seller neither assumes, nor authorizes any person to assume for it, any other obligation in connection with the sale of products or parts of products. The seller shall not be responsible for system design errors, or inaccurate or incomplete information supplied by buyer or buyer's representatives. This limited warranty sets forth the exclusive remedy for claims based on failure of or defect in products, materials, or components, whether the claim is made in contract, tort, strict liability, or any other legal theory. This warranty will apply to the full extent permitted by law. The invalidity, in whole or part, of any portion of this warranty will not affect the remainder. Victory is not responsible for the installation or the maintenance of the products. Defective products for which a valid claim has been made shall be returned to Victory's facility for repair or replacement (or to other repair facilities pursuant to Victory's prior written authorization), and transportation costs to such locations shall be paid by consumers.

VICTORY FIRE AND GAS INC ("VICTORY"). DOES NOT ACCEPT LIABILITY BEYOND THE REMEDIES PROVIDED IN THIS LIMITED WARRANTY, WHETHER BASED ON CONTRACT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, INCLUDING WITHOUT LIMITATION DAMAGES FOR ANY PERSONAL INJURY, PROPERTY DAMAGE, OR ANY DIRECT, INDIRECT, SPECIAL, CONSEQUENTIAL, INCIDENTAL, EXEMPLARY OR PUNITIVE DAMAGES, AND INCLUDING WITHOUT LIMITATION ANY LIABILITY FOR THIRD PARTY CLAIMS, IN EACH CASE EVEN IF VICTORY HAS BEEN ADVISED OF THE POSSIBILITY THEREOF. LAWS OF SOME JURISDICTIONS DO NOT ALLOW THE DISCLAIMER OF CONSEQUENTIAL OR OTHER TYPES OF DAMAGES, AND CONSUMERS MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM JURISDICTION TO JURISDICTION. UNDER SUCH CIRCUMSTANCES, THIS LIMITED WARRANTY AND THE LIMITATIONS AND DISCLAIMERS HEREIN SHALL BE TO THE GREATEST EXTENT PERMITTED BY LAW. THIS LIMITED WARRANTY CONTAINS THE ENTIRE WARRANTY PROVIDED BY VICTORY AND SHALL BE IN LIEU OF ANY AND ALL OTHER WARRANTIES OR CONDITIONS, WHETHER EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES AND CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Neither the product distributor nor any other third party is authorized to make any conditions, representations, or warranties on Victory's behalf. VICTORY neither assumes nor authorizes any representative or other person to assume for it any obligation or liability other than as expressly set forth herein. Any disputes regarding or relating to this limited warranty will be resolved with the sole discretion of VICTORY.

© Copyright 2026 Victory Fire and Gas inc.

Victory Fire & Gas Inc.
1713 Lewis Street, Bay City, MI. 48706.
Tel: +1 (989).322.0856.
E-Mail: info@victoryfiregas.com
Website http://www.victoryfiregas.com

APPENDIX A – AVAILABLE SPARE PARTS

VICTORY FIRE SPARE PARTS

CO_2 Models

CO5LB / CO10LB / CO15LB / CO20LB

			Model			
No	Product Code	Description	CO5LB	CO10LB	CO15LB	CO20LB
1	0714025	Seal	X	X	X	X
2	0202148	Lever	X	X	X	X
3	0204029	Rivet Ø4 x 26mm	X	X	X	X
4	0204021	Rivet Ø4 x 21mm	X	X	X	X
5	0203125	Carrying handle	X	X	X	X
6	020504042	Valve body	X	X	X	X
7	070200005	Wall bracket	X			
	070200007	Wall bracket		X	X	
	070202004	Wall bracket				X
8	022304009	Safety gasket	X	X	X	X
9	0233007	Safety disc	X	X	X	X
10	0212043	Safety cap	X	X	X	X
11	020601126	Neck O Ring Ø28.17 x 3.53mm	X	X	X	X
12	0220110	Valve stem assembly	X	X	X	X
13	020701010	Spring	X	X	X	X
14	020801036	Tube holder	X	X	X	X
15	080402047	Dip tube	X			
	080402020	Dip tube		X		
	080402048	Dip tube			X	
	080402022	Dip tube				X
16	050100088	Cylinder	X			
	050100089	Cylinder		X		
	050100090	Cylinder			X	
	050100091	Cylinder				X
17	30420050	Safety pin	X	X	X	X
18	0210001	Chain/tether	X	X	X	X
19	020601127	O Ring Ø11.8 x 2.4mm	X	X	X	X
20	0242021	Connector	X			
	0242022	Connector		X	X	X
21	080100046	Horn assembly	X			
	080100047	Horn assembly		X	X	X
22	020901033	Double spring safety pin	X	X	X	X
23	070200015	Hoop assembly		X	X	
	070200016	Hoop assembly				X
24	070100015	5lb vehicle bracket	X			
	070100016	10/15lb vehicle bracket		X	X	
	070100022	20lb vehicle bracket				X

© Copyright 2026 Victory Fire and Gas inc.

Victory Fire & Gas Inc.
1713 Lewis Street, Bay City, MI. 48706.
Tel: +1 (989).322.0856.
E-Mail: info@victoryfiregas.com
Website http://www.victoryfiregas.com

APPENDIX B

Equipment Type	Where Used	Comments
Hand Tighten	Horn Assembly (Ø10.3mm) to Valve T elbow (5LB model only)	Recommended torque 5-15Nm (44-133 in lbs.) Tighten and align CO2 horn
Adjustable Wrench or 20.8mm open ended wrench	Hose Assembly Connector to Valve T elbow (10 lb.,15lb. and 20lb. models)	Recommended torque 15-18Nm (133-159 in lbs.)
Adjustable Wrench or 1" open ended wrench	10/15/20lb discharge nozzle to Hose Assembly	Recommended torque 10-12Nm (88-106 in lbs.)
19mm wrench	Siphon Tube Adaptor to valve	Recommended torque 6-8Nm (53-71 in lbs.)
Hand Tight with glue	Siphon tube to siphon tube adaptor (Ø10mm)	Recommended torque 3-5Nm (26-44 in lbs.)
16mm wrench	Safety relief nut on valve	Recommended torque 40 +/-2.5Nm (354+/-22inlbs.)
Scales	Filling cylinders with CO2	Recommended accuracy +0/- 5% or better
Regulated Gauge	Refilling with CO2	Use a regulated gauge set suitable for delivering CO2 when refilling the extinguisher. Do not use a gauge set with pressure exceeding test pressure of cylinder. **NOTE**: CO2 extinguishers are filled by weight. **DO NOT OVERFILL**. See nameplate or valve markings for correct fill weight
Wrench designed to fit around valve form	Valve to cylinder	Recommended torque 70-96 ft lbs. (95-130Nm)
Hydro test Adaptors	Valve to cylinder	Must be in compliance with DOT 3AL
Lubricant	Neck to valve seal and blow by O seal on stem	Recommended lubricant Visilox V-711 or MOLYKOTE-111

Change History

Date	Revision	Change Details
01/23/2022	3	Updated Appendix A with the latest spares listings for all models. Added change history log.
04/20/2022	4	Updated appendix A with the latest spares listings for all models. Updated to NFPA2022 as applicable. Added service and safety comments and added appendix B.
02/19/2025	5	Updated warranty period to five years to align with first hydro date. Updated references and formatting.
04/21/2026	6	Updated layout, improved information and other minor edits. Updated to NFPA2026 as applicable. Added CGA C-6.1 reference and Hydrotest guidance for DOT.

© Copyright 2026 Victory Fire and Gas inc.