

# CHAPTER 5

## MAINTENANCE

### 5-1 INTRODUCTION

**Note:** It is the responsibility of the system installer to review system operation and owner obligations, and to provide the owner's manual to the owner at the time of system installation.

This chapter contains the service and maintenance instructions for the Badger Industrial Dry Chemical System. These procedures must be performed regularly, and in accordance with all applicable regulations. If problems arise, corrective action must be taken.

### 5-2 INSPECTION AND MAINTENANCE PROCEDURES

Use Table 5-1 to identify preventative maintenance schedule of the Badger Dry Chemical System.

Table 5-1. Preventative Maintenance Schedule

Schedule	Requirement	Paragraph
Monthly	Owner's Inspection	Paragraph 5-2.1
Semi-Annual	System Inspection by an Authorized Badger Distributor	Paragraph 5-2.2
Every Six Years	System Inspection by an Authorized Badger Distributor	Paragraph 5-2.4
Every 12 Years	Detailed System Inspection by an Authorized Badger Distributor	Paragraph 5-2.7

**5-2.1 Monthly Inspection Procedure (by Owner)**

Refer to the cylinder nameplate for the proper maintenance instructions. In accordance with NFPA 17 and NFPA 33, make frequent inspections to ascertain that the system is operable. Also, be sure that nothing has occurred which would compromise the effectiveness of the system.

The following procedure is to be performed by the Owner of the system.

Table 5-2. Owner's Monthly Inspection

Checkbox	Procedure
<input type="checkbox"/>	Inspect all system components, agent distribution pipe, and conduit runs for physical damage and/or displacement.
<input type="checkbox"/>	Inspect all nozzles to see if protective caps (if applicable) are in place. Check for possible obstructions to the discharge of the dry chemical.
<input type="checkbox"/>	Inspect all detectors (Fusible-links and Thermo-bulbs) for contamination. If contamination is found, contact an authorized Badger Pre-Engineered Distributor for service.
<input type="checkbox"/>	Inspect each Cylinder and Valve Assembly. The pointer on the pressure gauge should be in the "green" range. The cylinder should not show evidence of corrosion or damage.
<input type="checkbox"/>	Inspect manual pull stations are unobstructed and in clear view and labeled for intended use.
<input type="checkbox"/>	Inspect all tamper seals are intact and the system is in a ready condition.
<input type="checkbox"/>	Verify the inspection tag or certificate is in place and current.
<input type="checkbox"/>	A record of the monthly inspection is to be kept reflecting the date inspected, initials of the person performing the inspection, and any corrections required.
<input type="checkbox"/>	If wall mounted, the Universal Control Head must be tightly bolted to the wall. If cylinder mounted, the Universal Control Head must be tightly bolted to the SVA. The Cam/Flag on the Universal Control Head indicator should point to the 'Set' position. The safety pin and seal wire on the local manual release handle should be in place. Refer to Figure 5-1. If no Remote Manual Release (P/N B875572) is installed, the path to the local manual release on the cylinder should be clear and unobstructed and within reach.
<input type="checkbox"/>	If any discrepancies are noted while making this inspection, DO NOT CONTINUE OPERATING HAZARDOUS PROCESSES OR TURN ON PROTECTED EQUIPMENT. Immediately contact an authorized Badger Distributor for service and/or repair.



**No other action shall be taken by the system owner other than visual. If further maintenance is determined necessary as a result of owner inspection, contact an authorized Badger Distributor.**