The following is intended to provide the basic instructions for installation, operating and maintenance of the StreamMaster.

TOOLS REQUIRED

- Utility knife
- Medium flat screwdriver
- Medium Phillips screwdriver
- Small flat screwdriver
- Small Phillips screwdriver
- \( \frac{1}{2} \) inch hex head wrench
- Electrician's pliers (multipurpose, stripping and crimping)

PRODUCT RATINGS

Maximum Flow: 2000 GPM
Maximum Pressure: 200 PSI

PRODUCT WARNINGS

⚠️ WARNING: The maximum flow of the StreamMaster and Akromatic® 2000 is 2000 GPM. The center of the waterway outlet is 12.75 inches from the bottom of the inlet flange. Ensure these values and an appropriate safety factor is used to determine a proper support structure.

⚠️ WARNING: Charge the StreamMaster slowly. Rapid charging may cause water hammer.

⚠️ WARNING: Aim the StreamMaster in a safe direction before pumping water through it.

⚠️ WARNING: If any tags or bands are worn or damaged and cannot be easily read, they should be replaced.

⚠️ WARNING: Exceeding the maximum pressure and flow of the monitor or nozzle may cause damage.

⚠️ WARNING: The StreamMaster monitor contains moving parts. Keep hand, finger and objects away from pinch points.

GENERAL INSTRUCTIONS

- Not recommended for use in salt water applications.
- For firefighting by trained firefighters only.
- For use with water or standard fire fighting foams only. After use with foam, flush with fresh water.
- Do not use the StreamMaster nozzle as a forcible entry tool.
- Do not install shutoffs on the outlet of the StreamMaster.
- Do not install other devices to actuate StreamMaster.
- Do not add any type of air aspirated foam tube without consulting Akron Brass Customer Service.
- Drain the StreamMaster monitor and nozzle after use to prevent “freeze damage”.
- Ensure that the thread in the nozzle swivel matches the thread on the StreamMaster outlet. Do not overtighten the nozzle onto the StreamMaster.
**MONITOR ATTACHMENT**

The Monitor is to be mounted on the waterway with eight $5/8$ inch bolts and nuts of grade five minimum and suitable washers with a minimum of six threads engagement. The front of the monitor in Figure 2 is considered to be point 4 and is above the identification tag. The bolts must be tightened in a criss cross pattern progressively increasing tightening torque to a maximum of 100 pound feet dry.

NOTE: Not recommended to mount on a raised flange or have a butterfly valve between the flanges. This may cause damage to the monitor's flange when tightening the bolts.

**THE ROTATIONAL AND ELEVATION STOPS SET THE BOUNDARIES FOR THE AREA IN WHICH THE MONITOR IS ALLOWED TO TRAVEL AND MEETS THE REQUIREMENTS OF THE NFPA.** The upper row controls the right travel, and the lower row controls the left travel. The angles for the rotational stops are with respect to the “reference direction” illustrated in Figure 2. The monitor is shipped with the upper row stop at point 3 which stops the monitor at 90˚ right, clockwise and the lower row stop at point 5 which stops the monitor at 90˚ left, counterclockwise. All other positions are achieved by switching the factory set stop and the plug in the desired stop location. Both the stops and the plugs have a $1/2$ inch hex head. Refer to Figure 2 to determine which stop location is needed for the desired right, clockwise or left, counterclockwise rotation. The elevation stop sets the upper limit of the elevation. The monitor is shipped with elevation stops at 45˚ above horizontal and 45˚ below horizontal to meet NFPA. All other vertical positions are achieved by switching plugs and stops to the desired locations.

**OPERATING INSTRUCTIONS**

The upper and lower handwheels are used to control the monitor and nozzle. To change to horizontal monitor position toward the “RIGHT” or “LEFT” turn the lower handwheel clockwise or counterclockwise until it is aimed in the desired direction. To change the vertical monitor position upward or downward turn the upper handwheel clockwise or counterclockwise until it is aimed in the desired direction.

**MAINTENANCE INSTRUCTIONS**

Your StreamMaster monitor and nozzle should be inspected prior to and after each use, to ensure it is in good operating condition. Periodically, an unanticipated incident occurs where the StreamMaster is misused in a manner that is inconsistent with standard operating practices and those listed in IFSTA. A partial list of potential misuse includes:

- Operating above maximum rated pressure and flow.
- Not draining, and allowing water to freeze inside.
The elevation stop position and their corresponding stop/plug configurations are shown in the table below. The hole location for the plug/stop is referred to by the angle from horizontal as machined on the inlet elbow Figure 3A. The outlet angle is the angle trajectory (from horizontal) the water will flow from the StreamMaster unit.

### ELEVATION STOPS

<table>
<thead>
<tr>
<th>HOLE LOCATION</th>
<th>LOWER OUTLET ANGLE</th>
<th>UPPER OUTLET ANGLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>15°</td>
<td>0°</td>
<td>-45°</td>
</tr>
<tr>
<td>P</td>
<td>PS</td>
<td>S</td>
</tr>
<tr>
<td>-60°</td>
<td>-45°</td>
<td>45°</td>
</tr>
<tr>
<td>P</td>
<td>PS</td>
<td>P</td>
</tr>
<tr>
<td>-45°</td>
<td>30°</td>
<td></td>
</tr>
<tr>
<td>S</td>
<td>PS</td>
<td>P</td>
</tr>
<tr>
<td>-30°</td>
<td>90°</td>
<td></td>
</tr>
<tr>
<td>P</td>
<td>PS</td>
<td>P</td>
</tr>
<tr>
<td>-45°</td>
<td>90°</td>
<td></td>
</tr>
<tr>
<td>S</td>
<td>PS</td>
<td>S</td>
</tr>
<tr>
<td>-30°</td>
<td>30°</td>
<td></td>
</tr>
<tr>
<td>S</td>
<td>PS</td>
<td>S</td>
</tr>
<tr>
<td>-30°</td>
<td>45°</td>
<td></td>
</tr>
</tbody>
</table>

P=PLUG   S=STOP   PS=PERMANENT STOP

Note that the permanent stop must remain installed. If this stop is removed, the outlet will go past vertical and the gear will run out of travel. Also note that the 75° vertical stop will not be available with this setup (could be done by machining another hole at -15°).

There are six options for the customer to use. This is achieved with 3 plugs, 1 permanent stop, and 2 stops provided (the unit will be assembled with the permanent stop in 0° location, 1 stop in the -45°, and plugs in the remaining 15° and -60° locations). The parts kit will contain 1 stop and 1 plug.
• Prolonged exposure to temperatures above 130°F, or below -25°F.
• Operating in a corrosive environment.
• Having the StreamMaster nozzle hit a fixed object during operating or transportation.
• Other misuse that might be unique to your specific environment.

Also there are many “tell tale” signs that indicate repair is in order, such as:
• Controls that are either inoperative or difficult to operate.
• Excessive wear.
• Poor discharge performance.
• Water leaks.

If any of the above situations are encountered, the StreamMaster should be taken out of service, repaired, and tested by a qualified technician before placing it back in service.

**NOTE:** There are no grease fittings as all joints are lubricated at assembly and sealed by O-rings. Periodically clean grit and dirt from around exterior moving parts. Periodically operate all the functions of the monitor through its full travel.
Each possible combination is listed and a maximum of 348 degrees can be achieved for total rotation. The factory will set the stops at Lower Row point 5 and Upper Row point 3. This will give a rotation of 90 degrees clockwise (CW) and 90 degrees counterclockwise (CCW) for a total rotation of 180 degrees.
WARRANTY AND DISCLAIMER: We warrant Akron Brass products for a period of five (5) years after purchase against defects in materials or workmanship. Akron Brass will repair or replace product which fails to satisfy this warranty. Repair or replacement shall be at the discretion of Akron Brass. Products must be promptly returned to Akron Brass for warranty service.

We will not be responsible for: wear and tear, any improper installation, use, maintenance or storage; negligence of the owner or user; repair or modification after delivery; damage; failure to follow our instructions or recommendations; or anything else beyond our control. WE MAKE NO WARRANTIES, EXPRESS OR IMPLIED, OTHER THAN THOSE INCLUDED IN THIS WARRANTY STATEMENT, AND WE DISCLAIM ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE. Further, we will not be responsible for any consequential, incidental or indirect damages (including but not limited to, any loss of profits) from any cause whatsoever. No person has authority to change this warranty.

© Akron Brass Company 2011. All rights reserved. No portion of this can be reproduced without the express written consent of Akron Brass Company.