ASSEMBLY NOTES:
USE PARKER O-LUBE ON ALL O-RINGS AND MATING SURFACES UNLESS OTHERWISE NOTED.

1. USE PERMABOND LM113 OR LOCTITE 222.
2. DIMPLE AT ASSEMBLY.
3. SEE INSTALLATION INSTRUCTIONS FOR PROPER ADJUSTMENT PROCEDURE.
4. USE LOW-TEMP LUBRIPLATE.
5. USE NEVER SEEZ MARINERS CHOICE.
6. USE PRIMER T AND PERMABOND HH120 OR LOCTITE 277.
7. ITEMS SHIPPED IN INSTRUCTION/PARTS LIST KIT.
8. TIGHTEN TO 50-55 IN-LBS.
9. USE PARKER O-LUBE ON THREADS ONLY.
INSTALLATION INSTRUCTIONS:

The Akron Style 53 Intake Pressure Relief Valve is designed to relieve pressure between 50 and 250 psi.

<table>
<thead>
<tr>
<th>MAXIMUM OPERATING PRESSURE</th>
<th>MINIMUM OPERATING PRESSURE</th>
</tr>
</thead>
<tbody>
<tr>
<td>250 psi</td>
<td>1724 KPa</td>
</tr>
<tr>
<td>345 bar</td>
<td>17 bar</td>
</tr>
<tr>
<td>50 psi</td>
<td>345 KPa</td>
</tr>
<tr>
<td>3 bar</td>
<td>3 bar</td>
</tr>
</tbody>
</table>

The unit is preset at the factory at 125 psi (8.8 bar).

PRODUCT WARNINGS

⚠️ WARNING: The maximum operating pressure is shown in the table above.

⚠️ WARNING: The outlet must be vented through the discharge in order for the relief valve to operate properly.

⚠️ WARNING: Ensure the relief valve discharge is directed away from personnel. A high water discharge flow has the potential to cause injury.

⚠️ CAUTION: The Akron Brass Pressure Relief Valve has been developed for firefighting use mounted to a fire pump intake. Do not alter or attempt to use in other applications.

INSTALLATION:

This Intake Relief Valve is designed for flange mounting to the side of a pump intake. One standard bolt circle mounting is available.

~ ♦ 4-3/8 Bolt circle with 4 bolt holes for Hale, Waterous and American LaFrance Pumps.

ADJUSTMENTS:

To set the Relief Pressure:

1. The relief valve, which is factory set at 125 psi, can be adjusted using a 7/8" socket or wrench.
2. Rotating the adjustment nut (#4) clockwise will increase the pressure at which the valve will open and rotating counterclockwise will decrease the pressure.
3. The relief valve is set by aligning the highlighted surface on the adjustment nut to the height of the desired setting labeled on the relief housing.
4. The relief valve should not be tightened past the 250 psi setting; doing so may cause damage to the valve.
5. Flow water through the pressure relief valve to verify the valve relief pressure.

⚠️ CAUTION: DO NOT ATTEMPT TO ADJUST OR REMOVE THE ADJUSTMENT NUT (#4) OR RELIEF BODY (#2). INJURY MAY OCCUR DUE TO SPRING FORCE. RETURN TO FACTORY FOR REPAIR.