Common Specifications:

- Maximum Flow: 10 GPM
- Minimum Flow: 1 GPM
- Maximum Temperature: 160°F
- Inlet Port: 1/4" (22550 Series) / 3/8" (22530 Series)
- Outlet Port: 3/4" Hose Barb
- Dimensions: 0.75" X 2.06"

Pressure Specifications:

<table>
<thead>
<tr>
<th>1/4&quot; NPT Inlet</th>
<th>3/8&quot; NPT Inlet</th>
<th>Max. PSI (Bar)</th>
<th>Min. PSI (Bar)</th>
</tr>
</thead>
<tbody>
<tr>
<td>22550A</td>
<td>22530A</td>
<td>1200(83)</td>
<td>500(35)</td>
</tr>
<tr>
<td>22560A</td>
<td>22531A</td>
<td>2400(165)</td>
<td>1200(83)</td>
</tr>
<tr>
<td>22565A</td>
<td>22532A</td>
<td>3600(250)</td>
<td>2400(165)</td>
</tr>
<tr>
<td>22568</td>
<td>22533A</td>
<td>5000(345)</td>
<td>3600(250)</td>
</tr>
</tbody>
</table>

*For Stainless Steel Units Only*

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INSTALLATION INSTRUCTIONS

1) Position the pop-off valve on the discharge side of the pumping unit between the pump and the unloader. The 1/4" MNPT or 3/8" MNPT is the inlet. (Mount unit directly onto the pump for best results.)

2) Adjust the valve relief pressure setting as follows:
   a. Start the pump with the shut-off gun open and adjust the system pressure to 600 PSI (minimum) above the normal operating pressure.
   b. If the valve opens or leaks, stop the pump.
   c. Use a 1/4 inch allen wrench to turn the adjusting screw clockwise to increase the pressure so that the spring is compressed.
   d. Repeat steps a-c (above) until the valve does not open or leak at a minimum of 600 PSI above the normal operating pressure.

3) Reset the system pressure back to the normal operation.

4) A hose may be clamped over the outlet of the valve if desired. The other end of the hose may then be placed in a sewer, float tank, or other suitable drain.

   WARNING: Never attempt to stop the valve leakage by overtightening the adjusting screw (item #4) or by any other means that would not allow the valve (item #2) to open and thus relieve excess system pressure. Tampering with the valve could result in a situation that may cause the system damage and/or severe personal injury.

   CAUTION: The discharge from an opened pop-off valve must be readily visible by the system operator. In the event that a pop-off valve opens, the system should be immediately shut down and a trouble-shoot procedure performed before restarting the pump. Take care that the pop-off valve is installed pointed down to prevent bodily injury. Valves must be free of foreign material for proper operation.

5) Pop-off valves are suitable for protection from malfunctions in pumps, unloaders, regulators, heating coils, shut-off guns, and straight-through guns. For best results, use the pop-off valve in conjunction with an accumulator or pulsation dampener.

   CAUTION: Remember that the pop-off valve is designed to be used as a safety relief only. It is not to be used as a primary system unloader.