FLOWMAX CL Variable Range Proportioner

Features
The FLOWMAX CL Variable Range Proportioner has the following features:
- Designed to meet the proportioning requirements of NFPA 16
- Fast response
- Foam proportioning as low as 49 gpm (185 Lpm)
- Maximum/minimum flow rate ratio of 60:1
- Allows the use of lower cost bladder tank systems
- Less total system hardware required
- Less total system maintenance required
- Easy installation – can be pre-piped to bladder tank
- Minimal moving parts
- No electrical hook-up required
- Fits between two flanges without spool piece

Application
The FLOWMAX CL Variable Range Proportioner is both UL Listed and FM Approved for use with ANSULITE 3x3 Low Viscosity AR-AFFF (A334-LV) and ANSULITE 3% AFFF (AFC-3B). In addition, it is also UL Listed for use with ANSULITE AFC-3MS 3% AFFF. The proportioner is designed to proportion and control the mixing of the foam concentrate into a water stream over a wide range of water flow rates and pressures.

The FLOWMAX CL proportioner is designed for use with bladder tank systems only. The proportioner can be located up to 35 equivalent ft (10.7 m) from the bladder tank outlet. The normal swing check, concentrate isolation, and hydraulic valve(s) do not have to be included in this equivalent length calculation. The FLOWMAX CL proportioner has a maximum working pressure of 250 psi (17.2 bar).

Note: A minimum of 30 in. (762 mm) of straight pipe is required in the water line before entering the proportioner.

The body is marked with an arrow to indicate the direction of flow. The foam concentrate inlet is a female 2 in. NPT. When installed in a closed head, wet sprinkler system, the proportioner operates as follows:
- With the proportioner properly installed in the sprinkler riser, the water pressure is equal on both sides of the proportioner. As sprinkler heads open in a fire situation, foam concentrate is metered into the water stream through a precisely machined cone and orifice. As more sprinkler heads open, the increase in water flow causes the deflector to open more, thus opening the cone versus the orifice, allowing more foam concentrate into the water stream. This feature gives the proportioner the ability to properly proportion at both extremely low flow rates and at extremely high flow rates.
System Information

<table>
<thead>
<tr>
<th>Model</th>
<th>FLOWMAX CL</th>
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</thead>
<tbody>
<tr>
<td>Agent</td>
<td>ANSULITE 3% AFFF (AFC-3B)</td>
<td>ANSULITE 3x3 LV AR-AFFF (A334-LV)</td>
<td>ANSULITE 3% AFFF (AFC-3MS)</td>
</tr>
<tr>
<td>Size in. (mm)</td>
<td>6 (150)</td>
<td>6 (150)</td>
<td>6 (150)</td>
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<tr>
<td>Listed Flow Range gpm (Lpm)</td>
<td>49 – 3122* (185.5 – 11,818)</td>
<td>55 – 3535* (208 – 13,381)</td>
<td>54 – 3092** (204.5 – 11,705)</td>
</tr>
<tr>
<td>Maximum Working Pressure psi (bar)</td>
<td>250 (17.2)</td>
<td>250 (17.2)</td>
<td>250 (17.2)</td>
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</tbody>
</table>

* UL Listed and FM Approved flow range  
**UL Listed flow range

Ordering Information

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Shipping Weight lb (kg)</th>
<th>Approvals</th>
</tr>
</thead>
<tbody>
<tr>
<td>445014</td>
<td>FLOWMAX CL Variable Range Proportioner for ANSULITE 3% AFFF (AFC-3B)</td>
<td>30 (13.6)</td>
<td>UL Listed, FM Approved</td>
</tr>
<tr>
<td>445020</td>
<td>FLOWMAX CL Variable Range Proportioner for ANSULITE 3x3 Low Viscosity AR-AFFF (A334-LV)</td>
<td>30 (13.6)</td>
<td>UL Listed, FM Approved</td>
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<tr>
<td>446599</td>
<td>FLOWMAX CL Variable Range Proportioner for ANSULITE AFC-3MS 3% AFFF</td>
<td>30 (13.6)</td>
<td>UL Listed</td>
</tr>
</tbody>
</table>

Note: The proportioner weight without shipping packaging is 27.1 lb (12.3 kg).

Approvals and Listings

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Note: FLOWMAX CL proportioners are only FM Approved when used in conjunction with the specific foam concentrates and equipment shown in the Approval Guide available at www.ApprovalGuide.com.

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Note: The converted values in this document are provided for dimensional purposes only and do not reflect an actual measurement.

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