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TECHNICAL DATA

8” (DN200) MODEL F-1 DELUGE VALVE HORIZONTAL CONVENTIONAL TRIM CHART
Maximum 250 PSI Water Working Pressure

This Trim Chart is for use with the following Viking Trim Sets

<table>
<thead>
<tr>
<th>Valve Size</th>
<th>Galvanized Trim Part No.</th>
<th>Brass Trim Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>8” (DN200)</td>
<td>14643-1</td>
<td>14643-2</td>
</tr>
</tbody>
</table>

This Trim is for use with the following Release Module Trim Kits

<table>
<thead>
<tr>
<th>Release Type</th>
<th>Galvanized*</th>
<th>Brass**</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pneumatic</td>
<td>10809</td>
<td>10811</td>
</tr>
<tr>
<td>Electric</td>
<td>10830</td>
<td>10832</td>
</tr>
<tr>
<td>Electric/Pneumatic</td>
<td>12661-1</td>
<td>12661-2</td>
</tr>
<tr>
<td>Pneumatic/Pneumatic</td>
<td>12662-1</td>
<td>12662-2</td>
</tr>
</tbody>
</table>

* Standard Trim sets for Model F Deluge Valves consist of galvanized nipples and fittings.
** Refer to Technical Data describing the Halar® Coated Deluge Valve and the Viking Foam Systems Engineering Design Data book for applications where brass trim is recommended.

Note: Nipple lengths for brass trim may vary from those shown on this Trim Chart.

General Notes:

- Valve must be trimmed as shown. Any deviation from trim size or arrangement may affect the proper operation of the valve.
- All pipe 3/4” (20 mm) and smaller shall be galvanized steel except when other materials are specified in the Technical Data for the Halar® Coated Deluge Valve or when other materials are specified in the Viking Foam Systems Engineering and Design Data book.
- When Model F Deluge Valves are used on pre-mixed Foam Systems, trim piping must be of black steel pipe with cast iron or malleable iron fittings unless otherwise specified in the Technical Data for the Halar® Coated Deluge Valve or the Viking Foam Systems Engineering and Design Data book.
- Dimensions in parentheses are millimeter and may be approximations.

Note 1: 1/2” (15 mm) NPT plugged outlet provided for connecting certain optional components and associated trim.

Note 2: Release System connection. Viking Deluge and Flow Control Valves are compatible with hydraulic, pneumatic, and electric release systems. A Pneumatic Actuator is required on all Viking Deluge Valves and Flow Control Valves equipped with Pneumatic Release Systems.

Note 3: Alarm Connections: Connect alarm line piping to 3/4” (20 mm) NPT outlet. When using a Water Motor Alarm, a strainer is required. 1/2” (15 mm) NPT outlet is for electric Alarm Pressure Switch.

Note 4: Optional non-interruptible connection for Alarm Pressure Switch to activate electric alarm panel. Note: After the Deluge Valve trips, this location cannot be shut off. Alarms may operate until the outlet chamber of the deluge valve is de-pressurized below the set point of the Alarm Pressure Switch.

Note 5: Viking Drain Check Valve is manufactured with a 0.067” (1.7 mm) orifice to allow alarm line to drain. DO NOT substitute. Check label for proper orientation.

Note 6: Inlet side of PORV is connected to the top chamber of the deluge valve. Inlet of PORV should be facing up. Outlet goes to open drain.

Notes: For use with Trim Chart on Page 242b

Note: When viewing this data page online, blue text represents hyperlinks and will open the appropriate data page when clicked.

Form No. F_053100

Replaces page 242a-c, dated December 1, 2007. (Revised PORV and added dimensions to Figures 3a and 3b.)
Refer to page 242b for General Notes and Notes 1 through 6.

Order Deluge Valve Separately
Figure 3a: Installation Dimensions
Figure 3b: Installation Dimensions