2-1/2” & 3” (DN65 & DN80) MODEL F DELUGE VALVE STAINLESS STEEL HORIZONTAL TRIM CHART

The Viking Corporation, 210 N Industrial Park Drive, Hastings MI 49058
Telephone: 269-945-9501 Technical Services: 877-384-5464 Fax: 269-818-1680 Email: techsvcs@vikingcorp.com
Visit the Viking website for the latest edition of this technical data page: www.vikinggroupinc.com

Order Deluge Valve Separately

Figure 1

Notes: For use with Trim Charts on Page 2

General Notes:
- Valve must be trimmed as shown. Any deviation from trim size or arrangement may affect the proper operation of the valve.
- Dimensions in parentheses are millimeter and may be approximations.

Note 1: 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 2: 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 3: Optional non-interruptible connection for Alarm Pressure Switch to activate electric alarm panel
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 4: 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 5: 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.

<table>
<thead>
<tr>
<th>Valve Size</th>
<th>Stainless Steel Trim Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-1/2” &amp; 3” (DN65 &amp; DN80)</td>
<td>14652</td>
</tr>
</tbody>
</table>

Figure 1

Form No. F_070116   16.08.04 Rev 16.1
2-1/2'' & 3'' (DN65 & DN80)  
MODEL F Deluge Valve  
STAINLESS STEEL  
HORIZONTAL TRIM CHART

The Viking Corporation, 210 N Industrial Park Drive, Hastings MI 49058  
Telephone: 269-945-9501 Technical Services: 877-384-5464 Fax: 269-818-1680 Email: techsvcs@vikingcorp.com  
Visit the Viking website for the latest edition of this technical data page: www.vikinggroupinc.com

Refer to page 1 for General Notes and Notes 1 through 5.

Order Deluge Valve Separately

Figure 2  
2-1/2 & 3” Deluge Valve Trim
Figure 3a
Installation Dimensions

33-7/8" (860 mm)
15-1/8" (384 mm)
Figure 3b
Installation Dimensions