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 on the Viking website.
- When Model F Deluge Valves are used on pre-mixed Foam Systems, trim piping must be 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 website.
- 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 Figure 2 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 Pages 2 and 3
Figure 2

Inlet (from priming chamber of the deluge valve)

Trip Port (from intermediate chamber of the deluge valve)

Outlet to Open Drain

Refer to page 1 for General Notes and Notes 1 through 6.

Order Deluge Valve Separately

Visit the Viking website for the latest edition of this technical data page www.vikinggroupinc.com.
TECHNICAL DATA

DELUGE TRIM

8" (DN200) MODEL F-1
STRAIGHT THROUGH VERTICAL VALVE

Refer to page 1 for General Notes and Notes 1 through 6.

Order Deluge Valve Separately

Figure 3
Figure 4: Installation Dimensions-Front View

- Height: $29\frac{1}{2}$ inches ($749$ mm)
- Diameter: $4\frac{5}{8}$ inches ($115$ mm)
- Horizontal Distance: $8\frac{3}{8}$ inches ($211$ mm)
- Vertical Distance: $11\frac{1}{4}$ inches ($285$ mm)
- Distance from Valve: $7\frac{3}{8}$ inches ($189$ mm)
- Total Width: $4\frac{7}{8}$ inches ($124$ mm)
Figure 5
Installation Dimensions-Side View

- 14 1/4 [361 mm]
- 29 1/2 [750 mm]
- 2 5/8 [68 mm]