Order Deluge Valve Separately

Figure 1

**Notes:** For use with Trim Chart on Page 239f

- **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 and fittings shall be galvanized or brass except when other materials are specified in the Technical Data for the Halar® Coated Deluge Valve.
  - Gauges are brass as furnished with trim.
  - When Model F Deluge Valves are used on pre-mixed Foam Systems, trim piping must be of copper pipe with brass 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.
Refer to page 239e for General Notes and Notes 1 through 6.
Figure 3a: Installation Dimensions
Figure 3b: Installation Dimensions