### 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 of copper pipe with brass fittings unless otherwise specified in the Technical Data for the Halar® Coated Deluge Valve or on 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.
Refer to page 1 for General Notes and Notes 1 through 6.

Order Deluge Valve Separately

Figure 2
Refer to page 1 for General Notes and Notes 1 through 6.

Order Deluge Valve Separately
Figure 4: Installation Dimensions - Front View
Figure 5: Installation Dimensions - Side View

- 6 1/2 [165mm]
- 22 3/8 [570mm]
- 7/8 [24 mm]
- 34 5/8 [880mm]

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

Form No. F_051402     Rev 01     September 2023
Replaces Form No. F_051402 Rev 18.P65
(Added alternate trim configuration.)