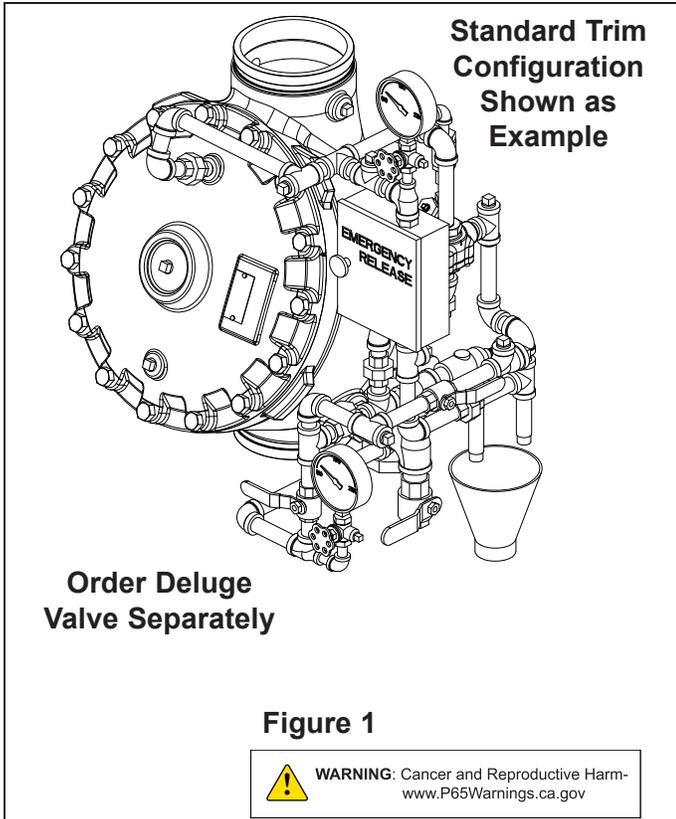


VIKING[®]**TECHNICAL DATA****DELUGE TRIM**
6" (DN150) MODEL F-1
STRAIGHT THROUGH VERTICAL VALVE

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



This Trim Chart is for use with the following Viking Trim Sets			
Valve Size	Galvanized Trim Part No.	U.S. ONLY (galvanized)	Brass Trim Part No.
6" (DN150)	14641-1 Figure 2	14641-1USA Figure 3	14641-2 Figure 2
This Trim is for use with the following Release Module Trim Kits			
Release Type	Galvanized*	Brass**	
Pneumatic	10809	10811	
Electric	10830	10832	
Electric/ Pneumatic	12661-1	12661-2	
Pneumatic/ Pneumatic	12662-1	12662-2	
<p>* Standard Trim sets for Model F Deluge Valves consist of galvanized nipples and fittings.</p> <p>**Refer to Technical Data describing the Halar[®] Coated Deluge Valve for applications where brass trim is recommended.</p> <p>Note: Nipple lengths for brass trim may vary from those shown on this Trim Chart.</p>			

Notes: For use with Trim Chart on Pages 2 and 3**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.



TECHNICAL DATA

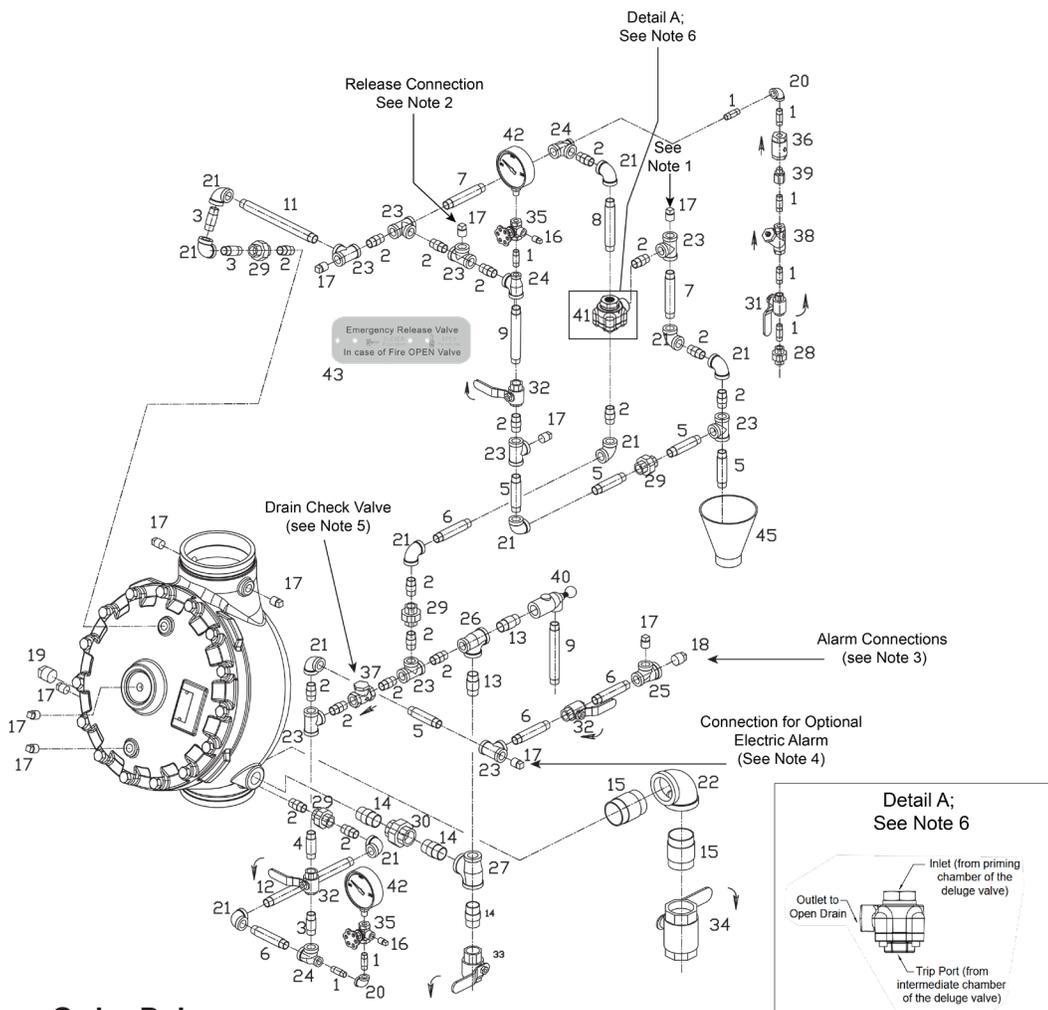
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Figure 3

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



ITEM	DESCRIPTION	REQ.
1	NIPPLE, 1/4" x 1 1/2"	8
2	NIPPLE, 1/2" x 1 1/2"	18
3	NIPPLE, 1/2" x 2"	3
4	NIPPLE, 1/2" x 2 1/2"	1
5	NIPPLE, 1/2" x 3 1/2"	5
6	NIPPLE, 1/2" x 4"	4
7	NIPPLE, 1/2" x 4 1/2"	2
8	NIPPLE, 1/2" x 5"	1
9	NIPPLE, 1/2" x 6"	1
10	NIPPLE, 1/2" x 6 1/2"	1
11	NIPPLE, 1/2" x 9"	1
12	NIPPLE, 1/2" x 10 1/2"	1
13	NIPPLE, 3/4" x 2"	2
14	NIPPLE, 1" x 2"	3
15	NIPPLE, 2" x 3"	2
16	PLUG, 1/4"	2
17	PLUG, 1/2"	11
18	PLUG, 3/4"	1
19	PLUG, 1"	1
20	ELBOW, 1/4"	2
21	ELBOW, 1/2"	11
22	ELBOW, 2"	1
23	TEE, 1/2"	9
24	TEE, 1/2" x 1/4" x 1/2"	3
25	TEE, 3/4" x 1/2" x 1/2"	1
26	TEE, 3/4" x 1/2" x 3/4"	1
27	TEE, 1" x 3/4" x 1"	1
28	UNION, 1/4"	1
29	UNION, 1/2"	4
30	UNION, 1"	1
31	BALL VALVE, 1/4"	1
32	BALL VALVE, 1/2"	3
33	BALL VALVE, 1"	1
34	BALL VALVE, 2"	1
35	SIDE OUTLET VALVE	2
36	CHECK VALVE, 1/4"	1
37	DRAIN CHECK VALVE	1
38	STRAINER, 1/4"	1
39	RESTRICTION, 1/16"	1
40	DRIP CHECK VALVE	1
41	P.D.R.V. ASSEMBLY	1
42	WATER GAUGE	2
43	EMERGENCY RELEASE LABEL	1
44	ZIP TIE	1
45	DRAIN CUP	1

Order Deluge Valve Separately



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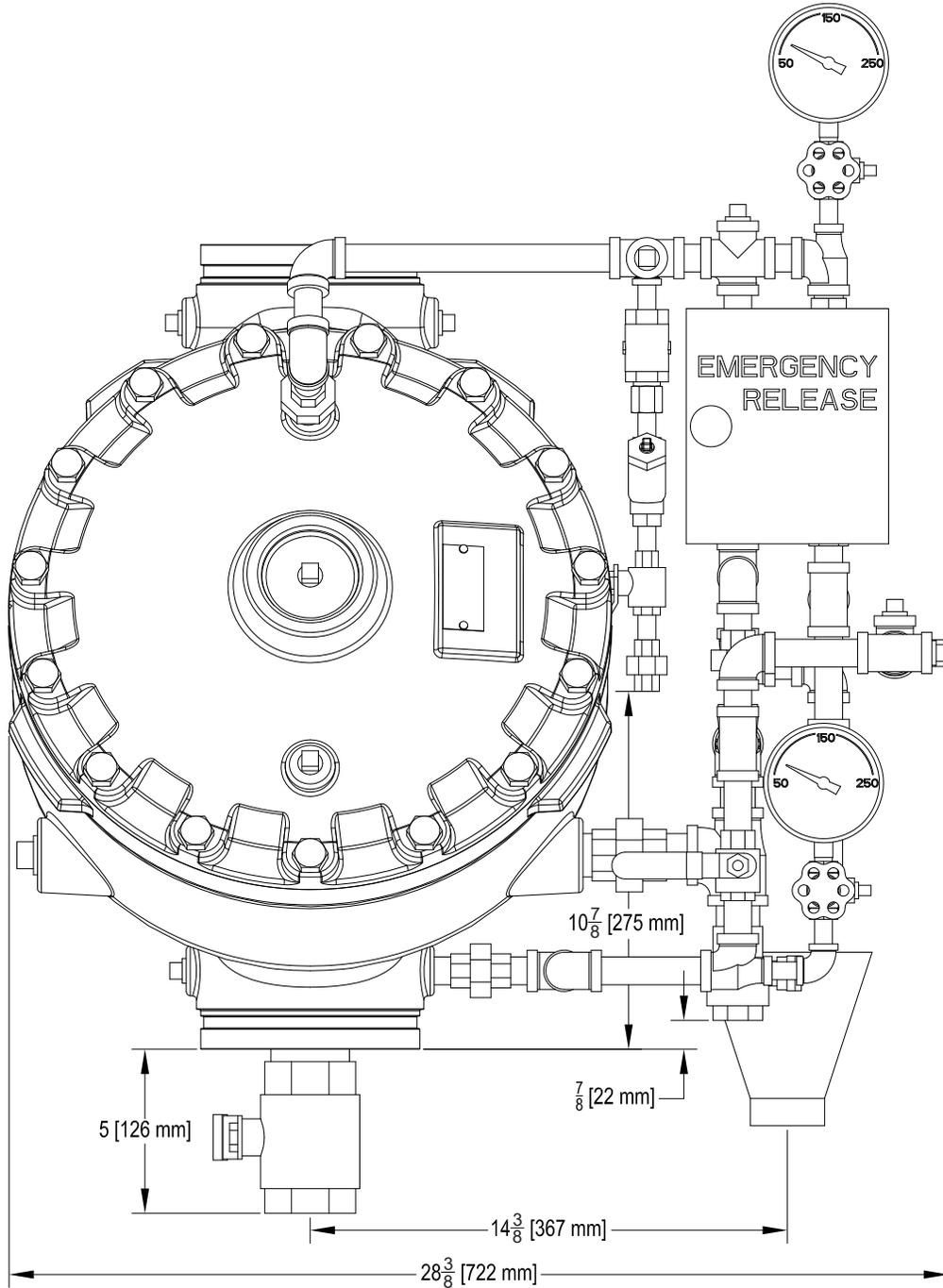


Figure 4: Installation Dimensions - Front View



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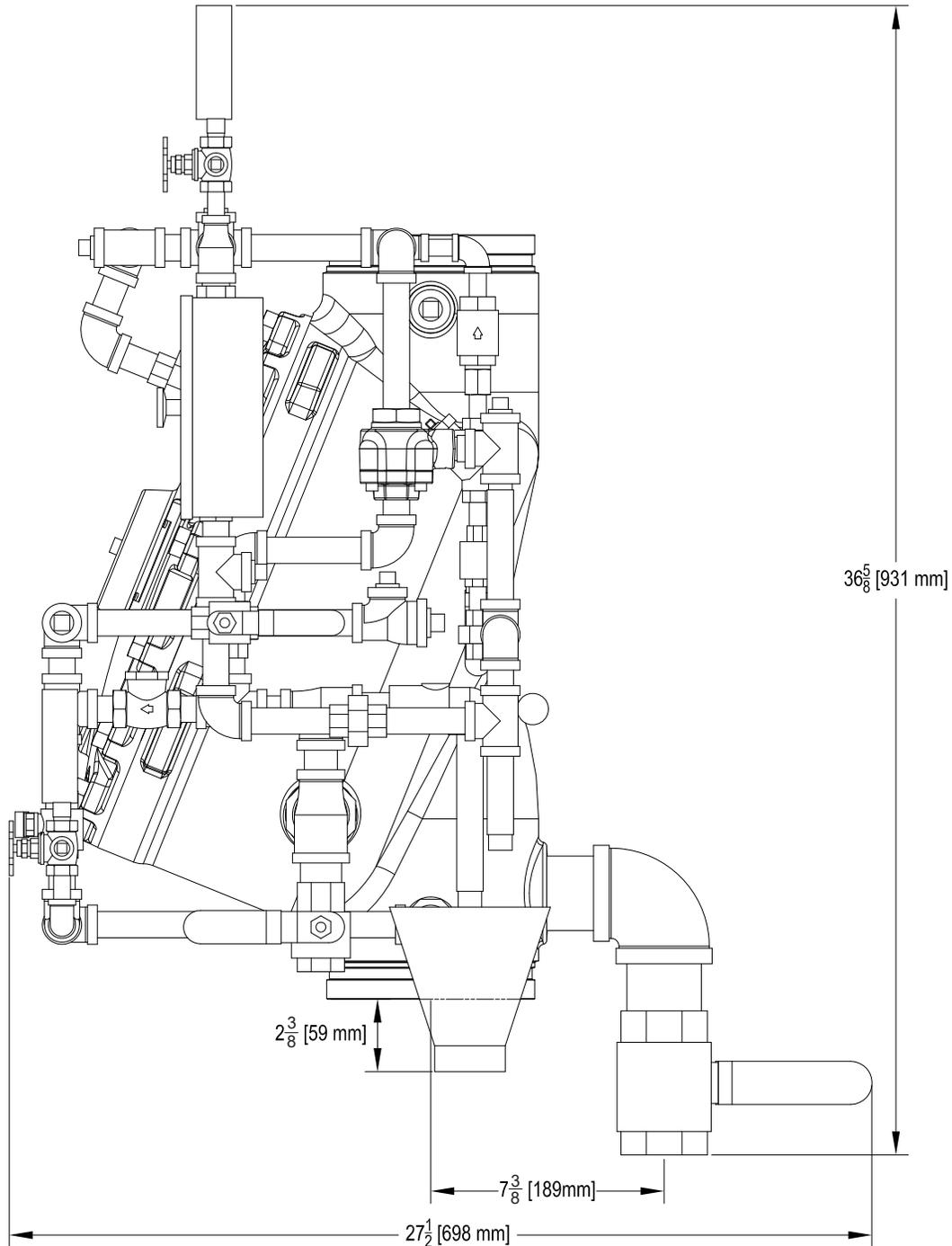


Figure 5: Installation Dimensions - Side View