

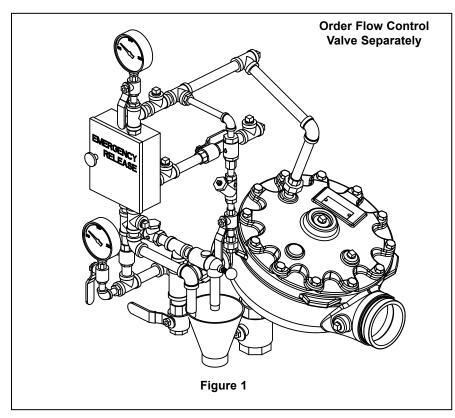
### **TECHNICAL DATA**

# 4" (DN100) MODEL J FLOW CONTROL VALVE HORIZONTAL STAINLESS STEEL TRIM CHART

Maximum 250 PSI Water Working Pressure

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



This Trim Chart is for use with the following Viking Trim Sets	
Valve Size	Stainless Steel Trim Part No.
4" (DN 100)	16845

Notes: For use with Trim Chart 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.
- All pipe and fittings shall be galvanized or brass except when other materials are specified in the Technical Data for the Halar<sup>®</sup>
  Coated Flow Control Valve or when other materials are specified in the Viking Foam Systems data pages.
- · Gauges are brass as furnished with trim.
- When the Viking Flow Control Valve is 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<sup>®</sup> Coated Flow Control Valve or the Viking Foam Systems data pages.
- 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 flow control valve trips, this location cannot be shut off. Alarms may operate until the outlet chamber of the flow control valve is de-pressurized below the set point of the alarm pressure switch.



## TECHNICAL DATA

4" (DN100)

MODEL J FLOW CONTROL VALVE HORIZONTAL STAINLESS STEEL TRIM CHART

Maximum 250 PSI Water Working Pressure

Valve Separately

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Refer to page 1 for General Notes WATER and Notes 1 through 4. GAUGE 1/4" ELBOW 1/2" PLUG 1/2" TEE 1/2 x 8" (203) 1/4 x 5" (127 1/2" ELBOW ത 1/4 x 1-1/2" (38) 1/4 BALL VALVE 1/4" CHECK VALVE 3/4 x 1/2" REDUCER 1/2 x 7" (178) 1/2" TEE RESTRICTION 1/4 x 1-1/2" (38) 1/4 x 1-1/2" (38) **®** 1/2" TEE 4 1/2 x 1/4" REDUCER 1/4" STRAINER 1/2 x 6" (152) **@** 1/2 x 1-1/2" (38) 1/4 x 1-1/2" (38) 1/4 BALL VALVE 1/2" UNION 1/4 x 1-1/2" (38) **EMERGENCY** , 1/2 x 1-1/2" (38) 1/2" PLUG RELEASE 1/4" UNION 8 1/2" PLUG 1/2 x 1-1/2" (38) **⊅** 1/2" PLUG 1/2" PLUG 1/2" ELBOW 1/2" TEE 1/2" TEE 1/4 x 4" (102) 1/2 x 1-1/2" (38) 1/2 x 3-1/2" (89) 1/2 x 3-1/2" (89) 1/2 x 6" (152) 1/2" ELBOW 1/2" ELBOW 3/4 x 1/2" REDUCER DRIP CHECK VALVE 1/2" TEE 51) 1/2" PLUG 1/2" PLUG 1/2 x 1-1/2" (38) 1/4 x 4" (102) 1/2 x 2" (51) 1/2" PLUG 1/2 x 1-1/2" (38) RAIN CHECK 1/2 x 2" (51) 1/2" TEE DRAIN CUP 1/2" PLUG 1/2 x 2" (51) 0 1/2 BALL VALVE 1/2 x 1-1/2" (38) 1 x 2" (51) 1/2 x 1-1/2" (38) 1 x 1/2" REDUCER 1/2" ELBOW 6 2 x 3" (76) 1" TEE 1/2 x 2" (51) 1 x 2" (51) 2" BALL 1/2" ELBOW VALVE 1 x 2" (51) 1/2 x 2" (51) 1/2 x 3-1/2" (89) WATER 1/2" TEE 1/2 x 1/4" REDUCER 1/4 BALL VALVE 1/4 x 1-1/2" (38) 1/4 x 1-1/2" (38) 1/4" ELBOW **Order Flow Control** 

Figure 2: 4" Flow Control Valve Trim



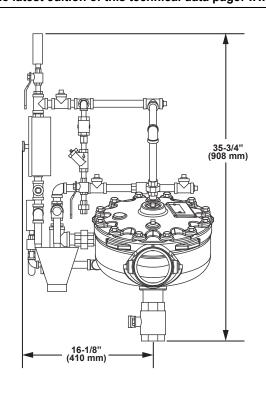
## TECHNICAL DATA

4" (DN100)
MODEL J FLOW CONTROL VALVE
HORIZONTAL STAINLESS STEEL TRIM CHART

Maximum 250 PSI Water Working Pressure

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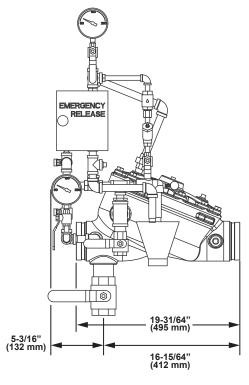


Figure 3: Installation Dimensions