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 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® 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.

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**TECHNICAL DATA**

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

**Flow Control Trim 513a**

Order Flow Control Valve Separately

This Trim Chart is for use with the following Viking Trim Sets

<table>
<thead>
<tr>
<th>Valve Size</th>
<th>Galvanized Trim Part No</th>
<th>Brass Trim Part No</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-1/2&quot; (DN40) &amp; 2&quot; (DN50)</td>
<td>12418-1</td>
<td>12418-2</td>
</tr>
</tbody>
</table>

Notes: For use with Trim Chart on Page 513b

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Form No. F_040704  
Revised page replaces page 513a-c dated April 28, 2004. (Reformatted, updated pipe material requirements in General Notes.)
Order Flow Control Valve Separately

Refer to page 513a for General Notes and Notes 1 through 4.