

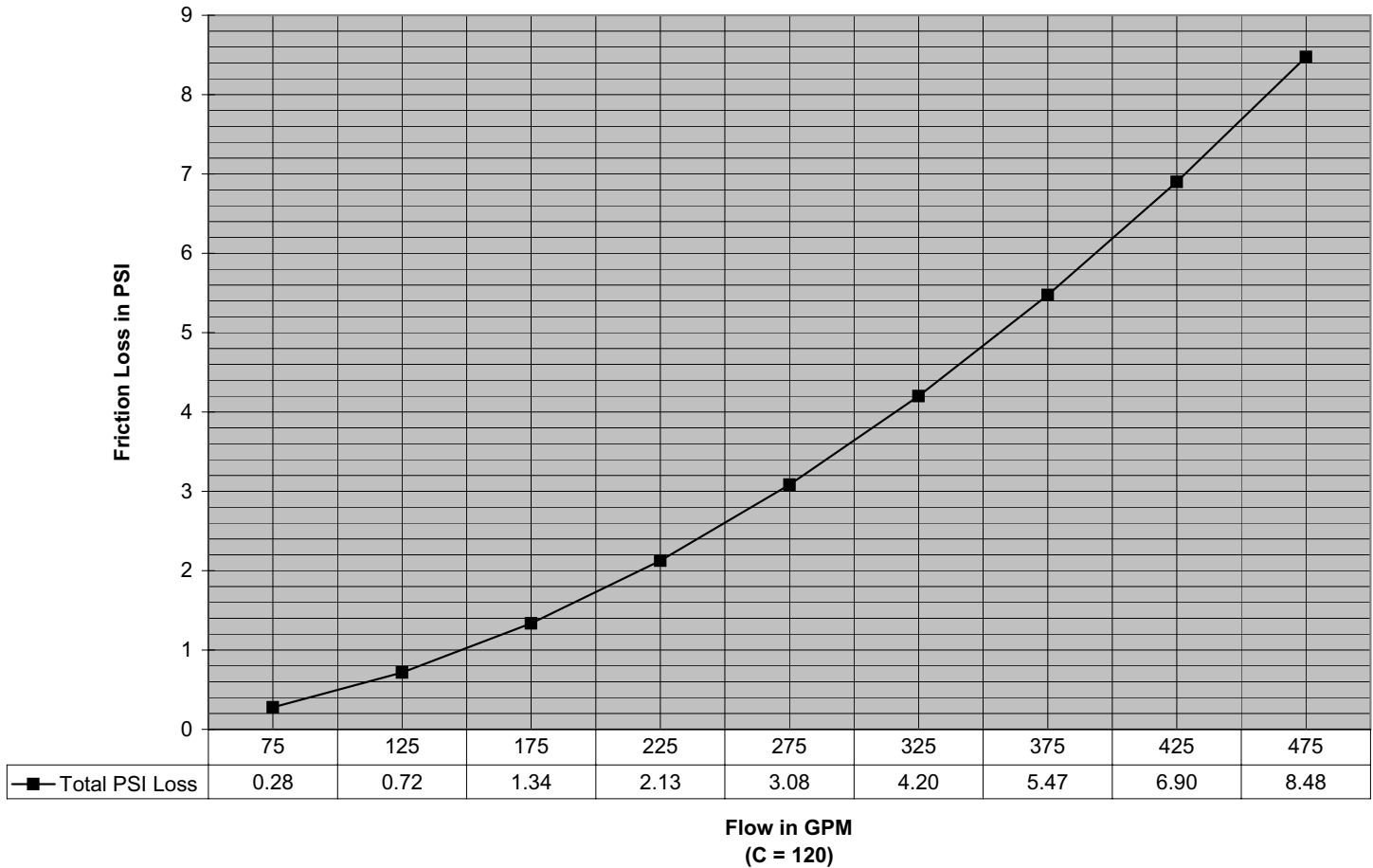
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	<b>TECHNICAL DATA</b>	<b>2-1/2" MODEL F SERIES STRAIGHT THROUGH DELUGE VALVES FRICTION LOSS CHART</b>
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The Viking Corporation, 210 N Industrial Park Drive, Hastings MI 49058  
 Telephone: 269-945-9501 Technical Services 877-384-5464 Fax: 269-818-1680 Email: techsvcs@vikingcorp.com

FOR USE WITH ENGLISH PRACTICAL SYSTEM  
 Where Flow is Measured in GPM and Pressure is Measured in PSI

Graph is for reference purposes.



**Friction Loss for the 2-1/2" Viking F Series Straight Through Deluge Valves is equivalent to 12 feet of 2-1/2" Schedule 40 (id = 2.469") Pipe (C = 120).**

To calculate friction loss for the 2-1/2" (id = 2.469") Viking Model F Series Straight Through Deluge Valves at a specific flow, use the following formula:

$$P_{\text{PSI}} = \left( \frac{4.52 \times Q^{1.85}}{C^{1.85} \times 2.469^{4.87}} \right) \times 12$$

Where P = Friction Loss (PSI)  
 Q = Flow in GPM  
 C = Constant (=120)