

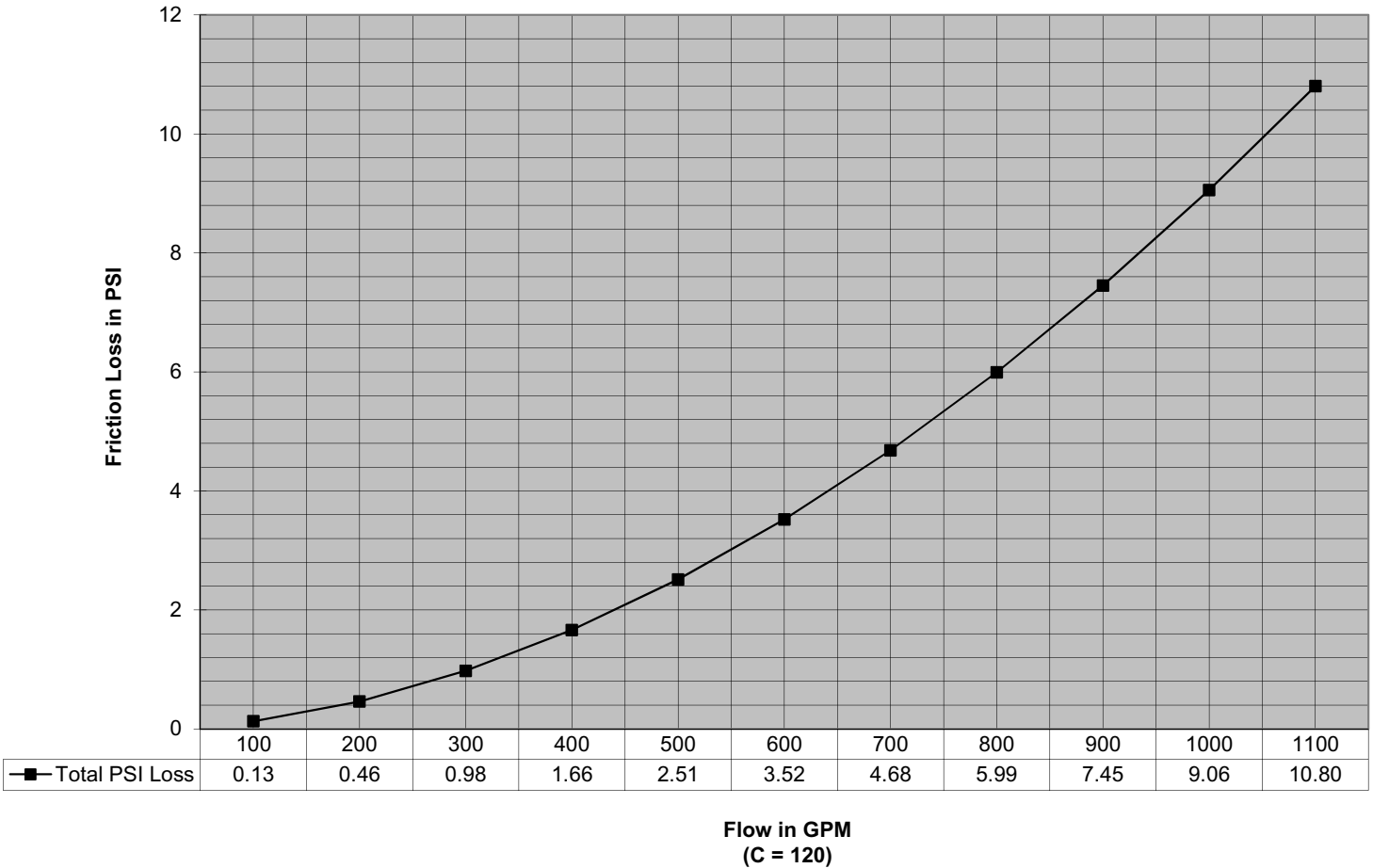
<h1>VIKING</h1>	<h2>TECHNICAL DATA</h2>	<h3>4" MODEL E SERIES ANGLE STYLE DELUGE VALVES FRICTION LOSS CHART</h3>
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FOR USE WITH ENGLISH PRACTICAL SYSTEM  
 Where Flow is Measured in GPM and Pressure is Measured in PSI

Graph is for reference purposes.

**Total PSI Loss**



**Friction Loss for the 4" Viking Model E Series Angle Style Deluge Valves is equivalent to 35 feet of 4" Schedule 40 (id = 4.026") Pipe (C = 120).**

To calculate friction loss for the 4" (id = 4.026") Viking Model E Series Angle Style Deluge Valves at a specific flow, use the following formula:

$$P_{\text{PSI}} = \left( \frac{4.52 \times Q^{1.85}}{C^{1.85} \times 4.026^{4.87}} \right) \times 35$$

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