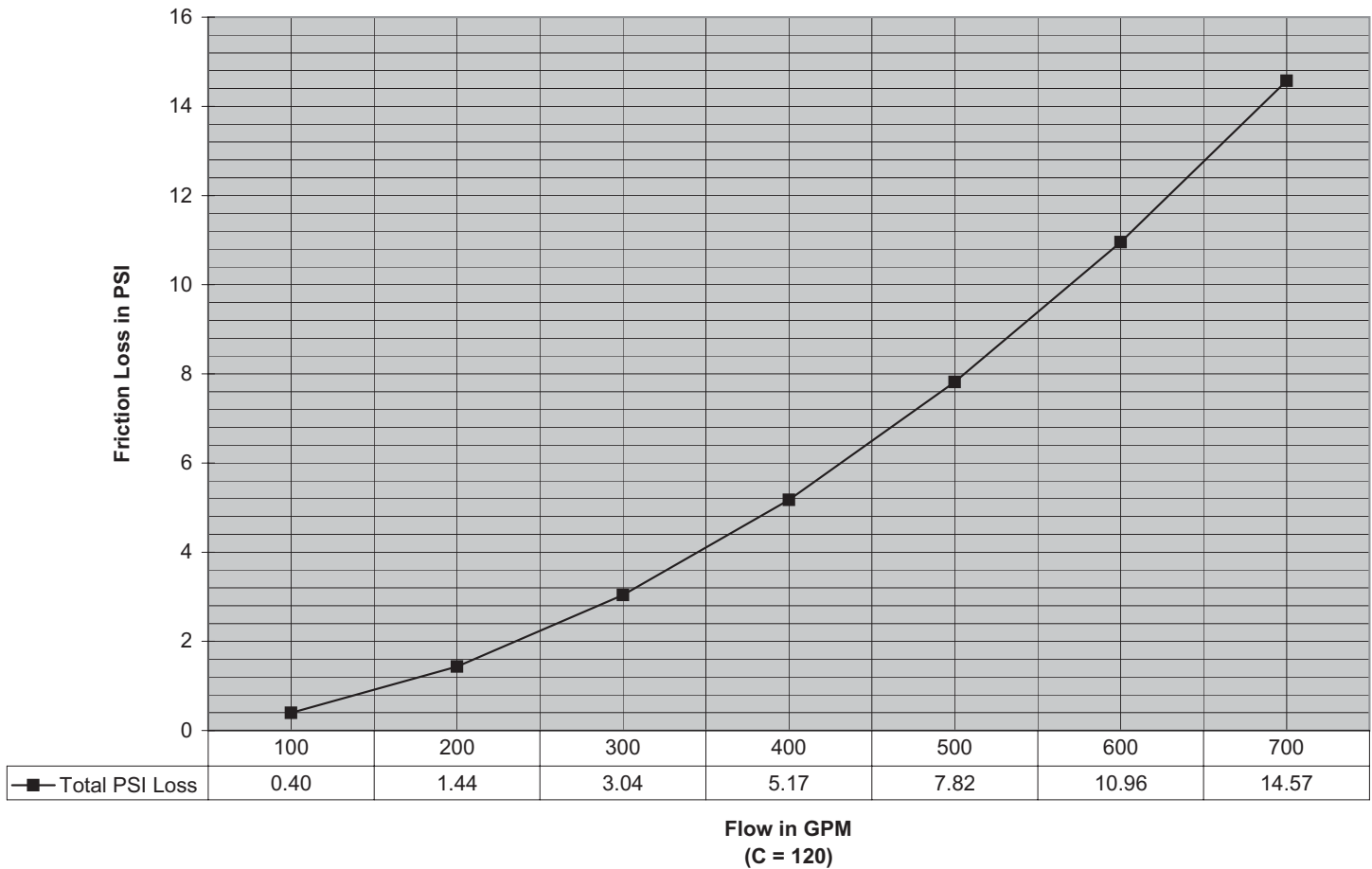


	<b>TECHNICAL DATA</b>	<b>3" MODEL E SERIES ANGLE STYLE DELUGE VALVES FRICTION LOSS CHART</b>
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FOR USE WITH ENGLISH PRACTICAL SYSTEM  
 Where Flow is Measured in GPM and Pressure is Measured in PSI

Graph is for reference purposes.



**Friction Loss for the 3" Viking Model E Series Angle Style Deluge Valves is equivalent to 29 feet of 3" Schedule 40 (id = 3.068") Pipe (C = 120).**

To calculate friction loss for the 3" (id = 3.068") Viking Model E Series Angle Style Deluge Valves at a specific flow, use the following formula:

$$P_{\text{PSI}} = \left( \frac{4.52 \times Q^{1.85}}{C^{1.85} \times 3.068^{4.87}} \right) \times 29$$

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