

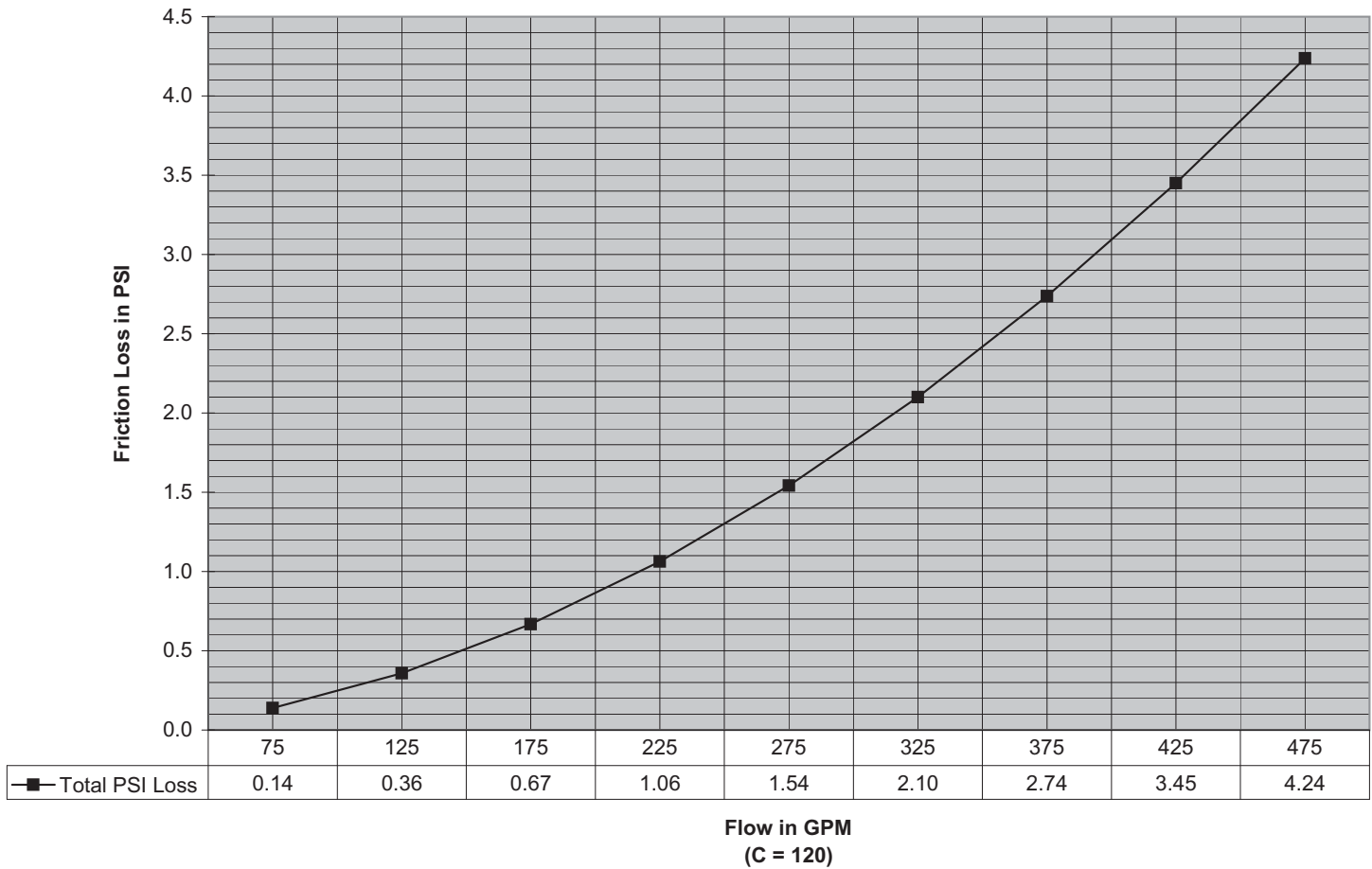
	<b>TECHNICAL DATA</b>	<b>2-1/2" MODEL D-1 AND G-1 SWING CHECK VALVES FRICTION LOSS CHART</b>
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FOR USE WITH ENGLISH PRACTICAL SYSTEM  
 Where Flow is Measured in GPM and Pressure is Measured in PSI

Graph is for reference purposes.

**Total PSI Loss**



**Friction Loss for the 2-1/2" Viking Model D-1 and G-1 Swing Check Valves is equivalent to 6 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 D-1 and G-1 Swing Check Valves at a specific flow, use the following formula:

$$P_{\text{PSI}} = \left( \frac{4.52 \times Q^{1.85}}{C^{1.85} \times 2.469^{4.87}} \right) \times 6$$

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