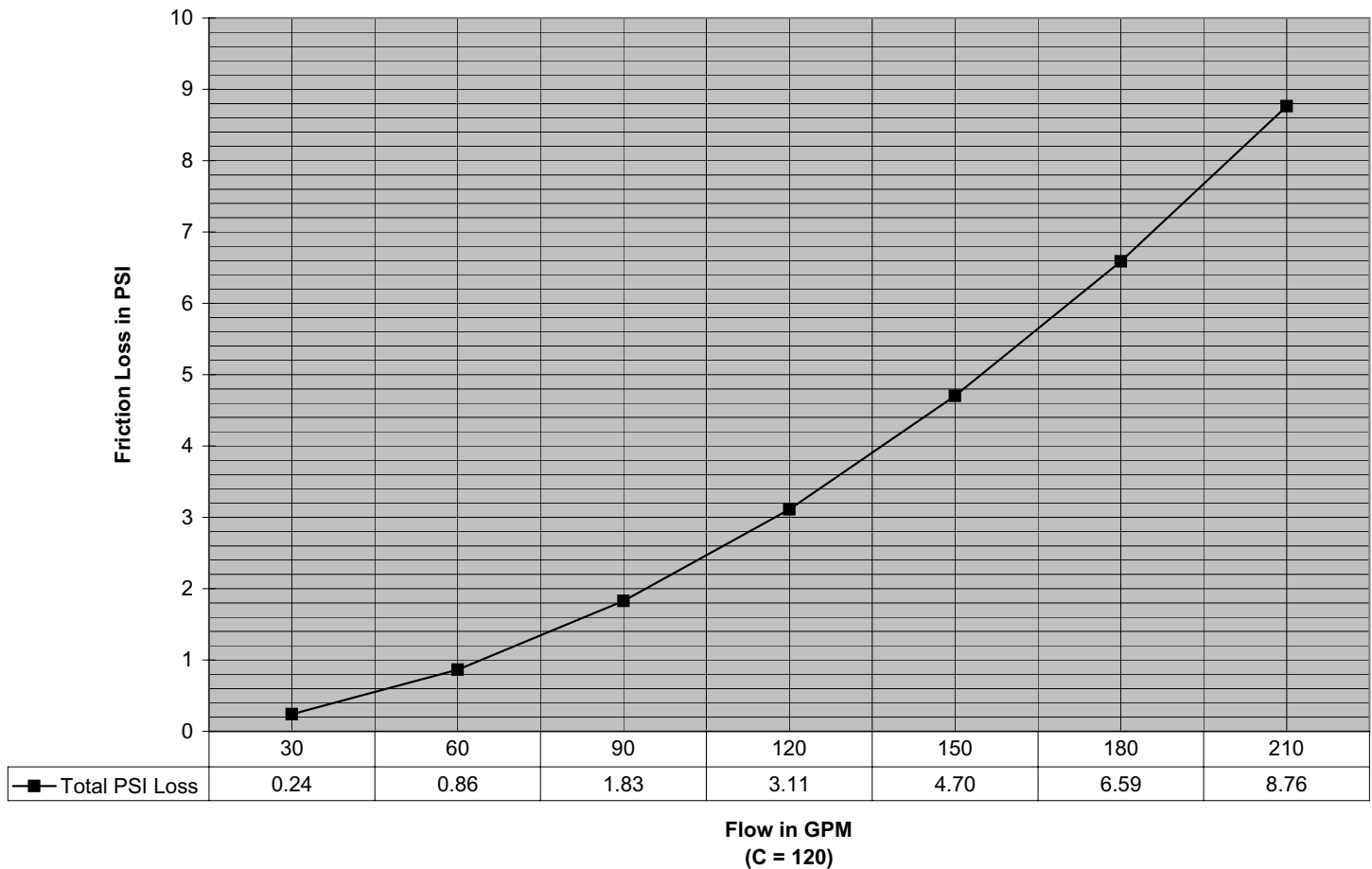


	<b>TECHNICAL DATA</b>	<b>1-1/2" MODEL F SERIES STRAIGHT THROUGH DELUGE VALVES FRICTION LOSS CHART</b>
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FOR USE WITH ENGLISH PRACTICAL SYSTEM  
 Where Flow is Measured in GPM and Pressure is Measured in PSI

Graph is for reference purposes.



**Friction Loss for the 1-1/2" Viking Model F Series Straight Through Deluge Valves is equivalent to 7 feet of 1-1/2" Schedule 40 (id = 1.61") Pipe (C = 120).**

**To calculate friction loss for the 1-1/2" (id = 1.61") Viking Model F Series Straight Through Deluge Valves at a specific flow, use the following formula:**

$$P_{\text{PSI}} = \left( \frac{4.52 \times Q^{1.85}}{C^{1.85} \times 1.61^{4.87}} \right) \times 7$$

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

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