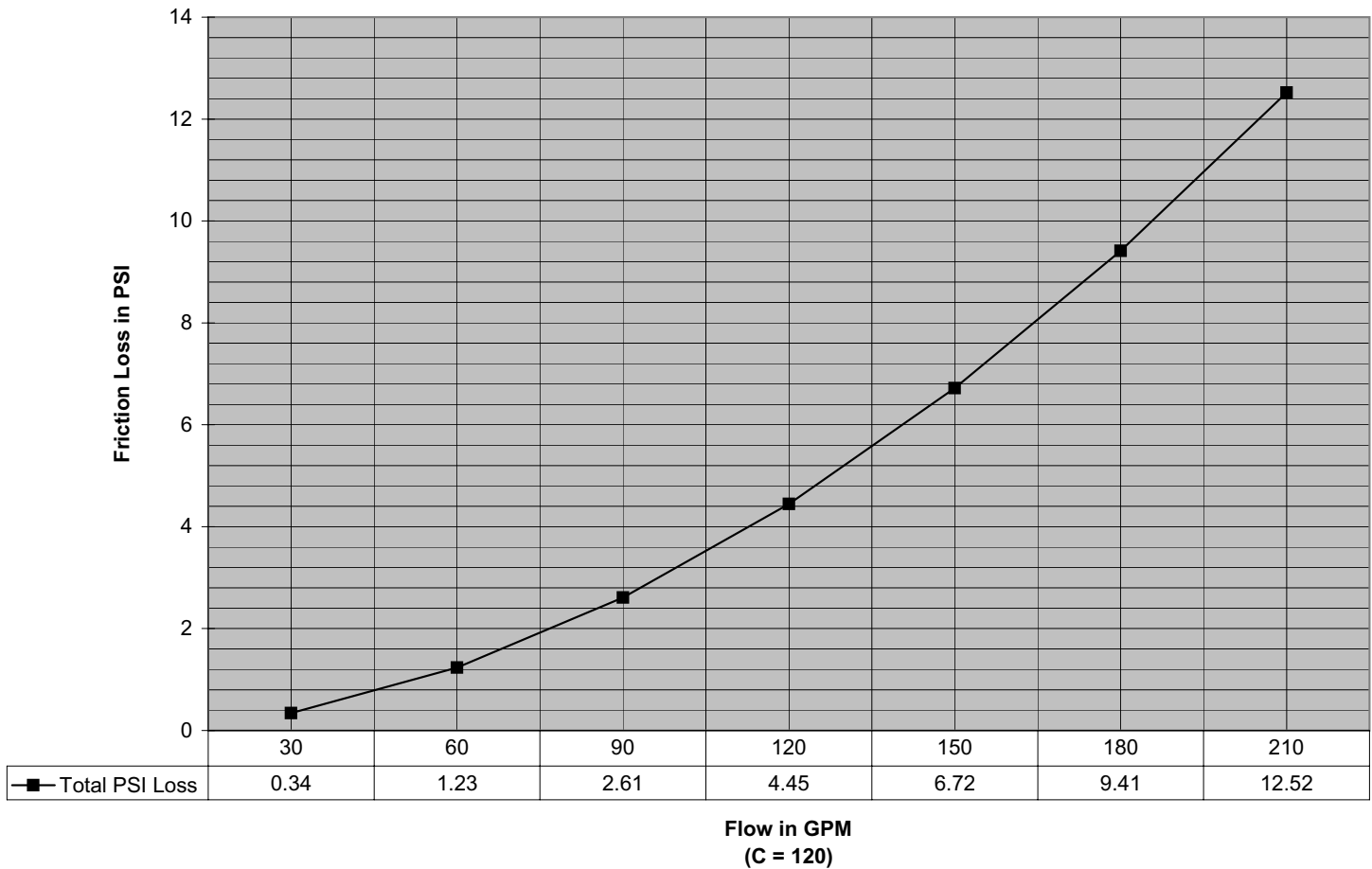


|   |                       |  |
|---|-----------------------|--|
|  | <b>TECHNICAL DATA</b> | <b>1-1/2" MODEL E SERIES<br/>ANGLE STYLE DELUGE<br/>VALVES FRICTION LOSS CHART</b> |
|---|-----------------------|--|

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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 E Series Angle Style Deluge Valves is equivalent to 10 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 E Series Angle Style Deluge Valves at a specific flow, use the following formula:

$$P_{\text{PSI}} = \left( \frac{4.52 \times Q^{1.85}}{C^{1.85} \times 1.61^{4.87}} \right) \times 10$$

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