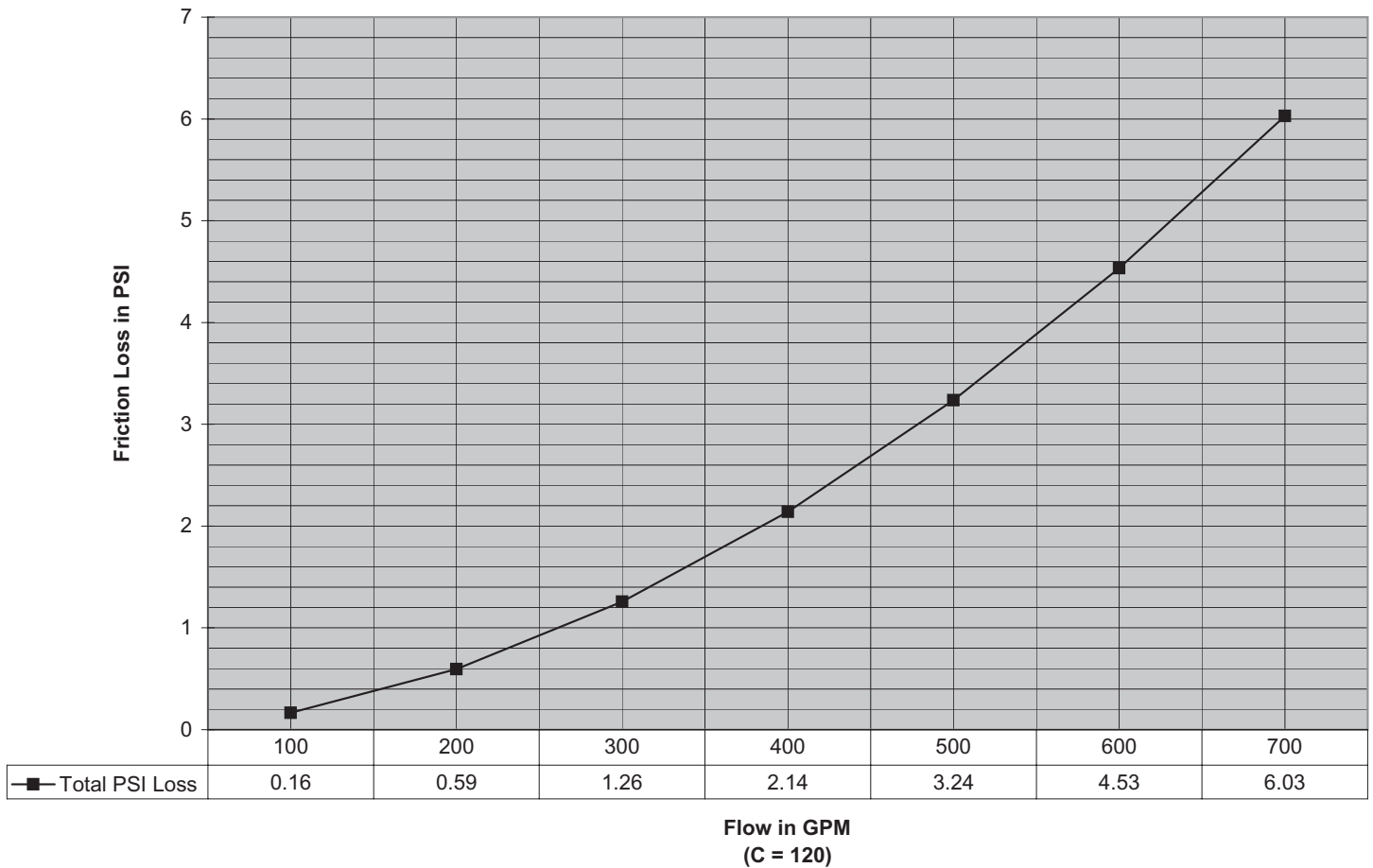


	TECHNICAL DATA	3" MODEL F SERIES STRAIGHT THROUGH DELUGE VALVES FRICTION LOSS CHART
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FOR USE WITH ENGLISH PRACTICAL SYSTEM
 Where Flow is Measured in GPM and Pressure is Measured in PSI

Graph is for reference purposes.



Friction Loss for the 3" Viking Model F Series Straight Through Deluge Valves is equivalent to 12 feet of 3" Schedule 40 (id = 3.068") Pipe (C = 120).

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

$$P_{\text{PSI}} = \left(\frac{4.52 \times Q^{1.85}}{C^{1.85} \times 3.068^{4.87}} \right) \times 12$$

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