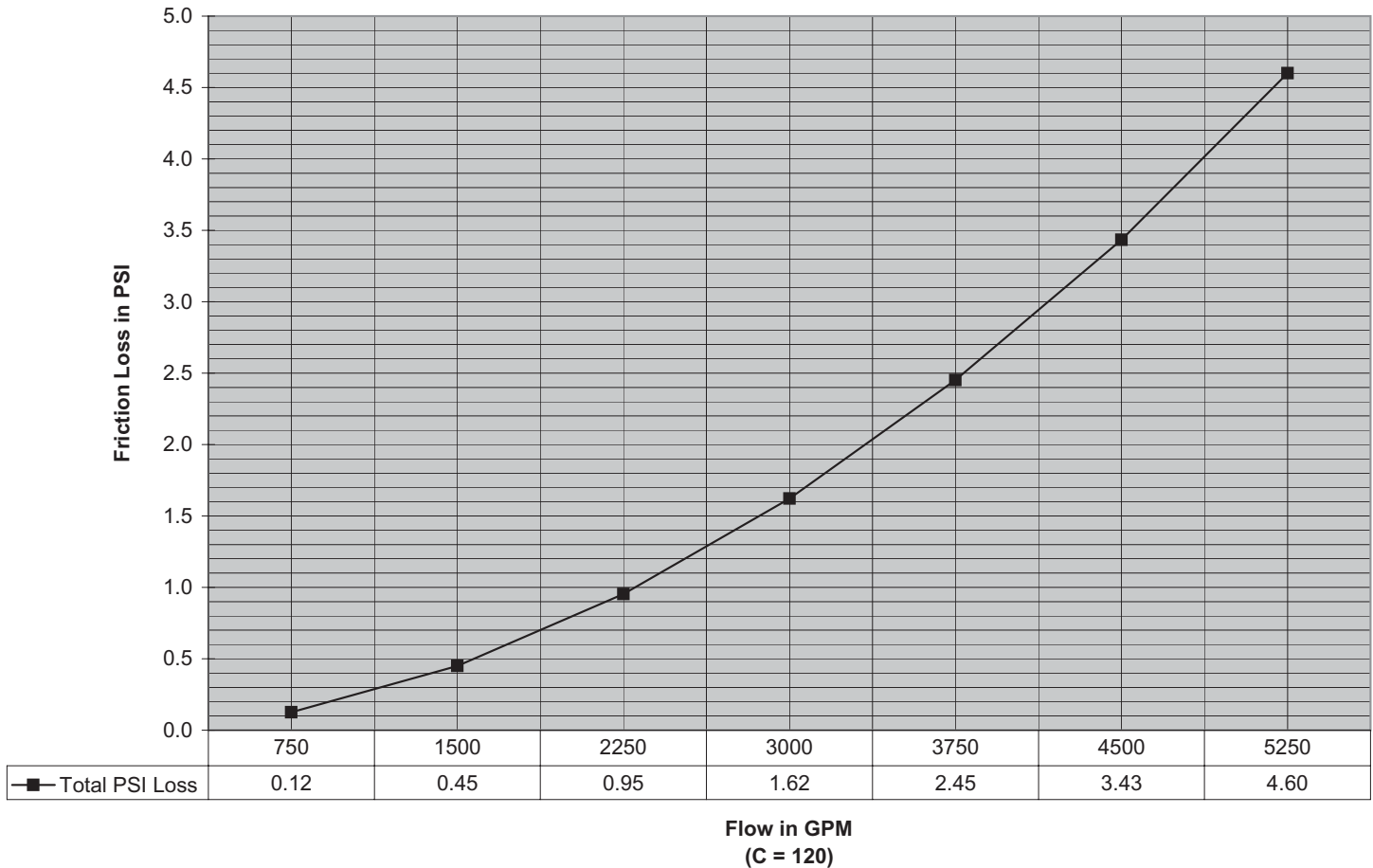


	<b>TECHNICAL DATA</b>	<b>8" MODEL J-1 ALARM CHECK VALVE FRICTION LOSS CHART</b>
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FOR USE WITH ENGLISH PRACTICAL SYSTEM  
 Where Flow is Measured in GPM and Pressure is Measured in PSI

Graph is for reference purposes.



**Friction Loss for the 8" Viking Model J-1 Alarm Check Valves is equivalent to 23 feet of 8" Schedule 40 (id = 7.981") Pipe (C = 120).**

To calculate friction loss for the 8" (id = 7.981") Viking Model J-1 Alarm Check Valve at a specific flow, use the following formula:

$$P_{\text{PSI}} = \left( \frac{4.52 \times Q^{1.85}}{C^{1.85} \times 7.981^{4.87}} \right) \times 23$$

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