



**TECHNICAL DATA**

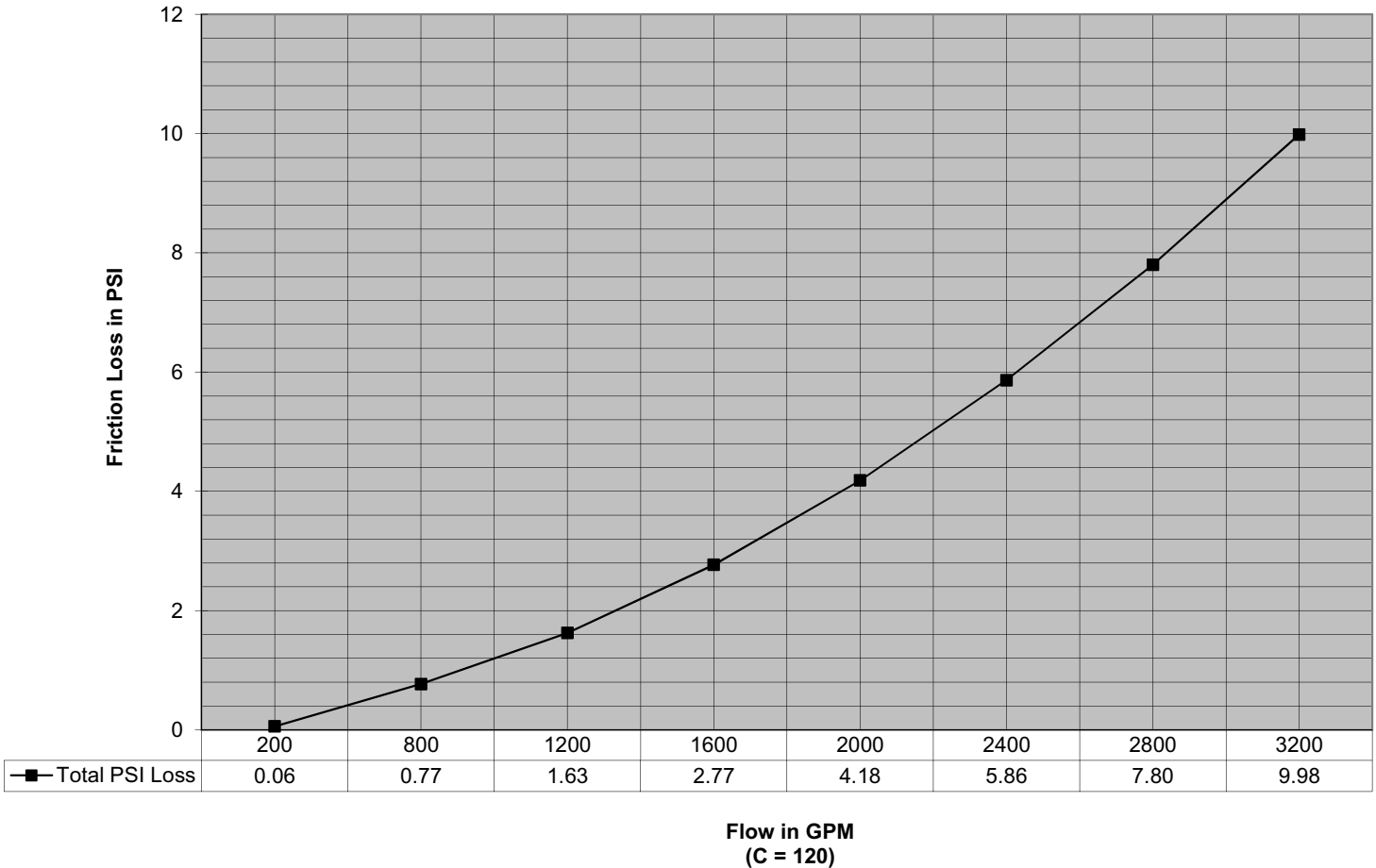
**6" MODEL E SERIES ANGLE  
STYLE DELUGE VALVES  
FRICTION LOSS CHART**

The Viking Corporation, 210 N Industrial Park Drive, Hastings MI 49058  
 Telephone: 269-945-9501 Technical Services 877-384-5464 Fax: 269-818-1680 Email: techsvcs@vikingcorp.com

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 6" Viking Model E Series Angle Style Deluge Valves is equivalent to 33 feet of 6" Schedule 40 (id = 6.065") Pipe (C = 120).

To calculate friction loss for the 6" (id = 6.065") Viking Model E Series Angle Style Deluge Valves at a specific flow, use the following formula:

$$P_{\text{PSI}} = \left( \frac{4.52 \times Q^{1.85}}{C^{1.85} \times 6.065^{4.87}} \right) \times 33$$

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