

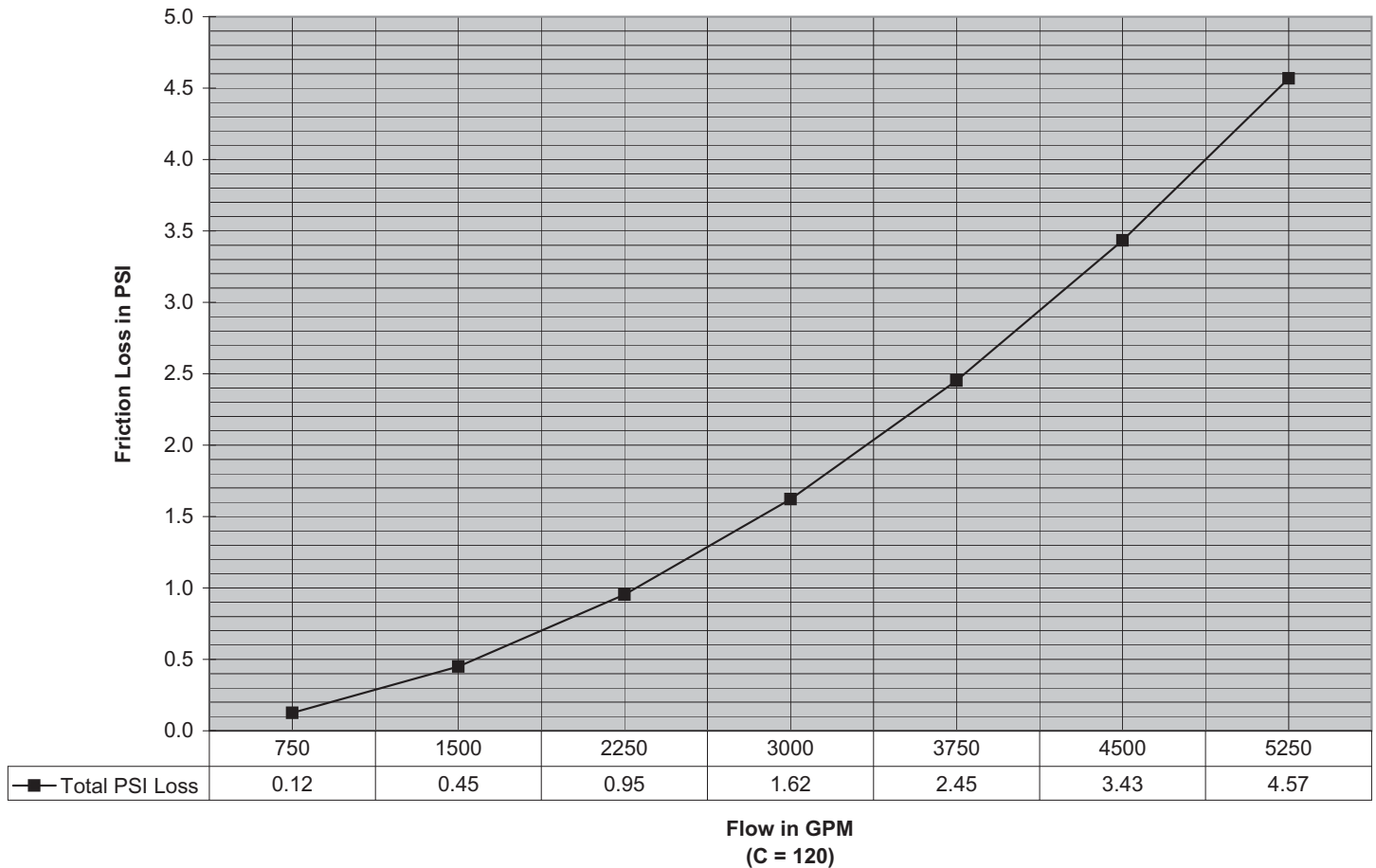
|   |                       |   |
|---|-----------------------|---|
|  | <b>TECHNICAL DATA</b> | <b>8" MODEL F SERIES<br/>SWING CHECK VALVES<br/>FRICTION LOSS CHART</b> |
|---|-----------------------|---|

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 8" Viking Model F Series Swing 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 F Series Swing Check Valves 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)