Friction Loss for the 4" Viking Model J-1 Alarm Check Valve is equivalent to 13 feet of 4" Schedule 40 (id = 4.026") Pipe (C = 120).

To calculate friction loss for the 4" (id = 4.026") Viking Model J-1 Alarm Check Valve at a specific flow, use the following formula:

\[
P = \left( \frac{4.52 \times Q^{1.85}}{C^{1.85} \times 4.026^{4.87}} \right) \times 13
\]

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