Friction Loss for the 8” Viking Model D-1 and G-1 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 D-1 and G-1 Swing Check Valves at a specific flow, use the following formula:

\[
P = \left( \frac{4.52 \times Q^{1.85}}{C^{1.85} \times 7.981^{4.85}} \right) \times 23
\]

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