For use with English practical system
Where flow is measured in GPM and pressure is measured in PSI

Friction Loss for the 6” Viking Model F Series Dry Valves is equivalent to 49 feet of 6” Schedule 40 (id = 6.065”) Pipe (C = 120).

To calculate friction loss for the 6” (id = 6.065”) Viking Model F Series Dry Valves at a specific flow, use the following formula:

$$ P_{PSI} = \frac{4.52 \times Q^{1.85}}{(C^{1.85} \times 6.065^{4.87})} \times 49 $$

Where
- $P_{PSI}$ = Friction Loss (PSI)
- $Q$ = Flow in GPM
- $C$ = Constant (=120)