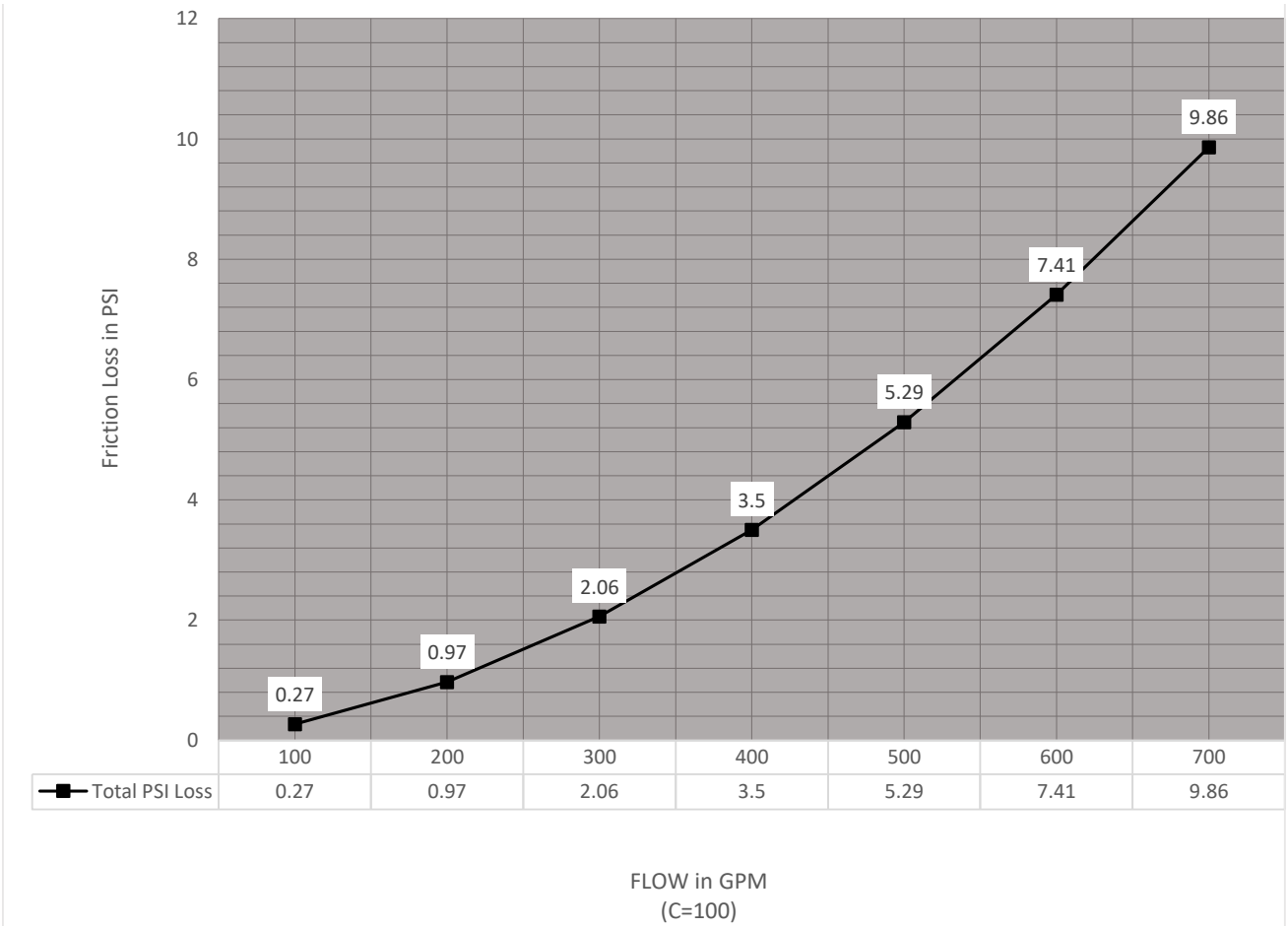
VIKING®	TECHNICAL DATA	MODEL VXR DRY VALVE FRICTION LOSS CHART FOR 3" VALVE

FOR USE WITH ENGLISH (IMPERIAL) PRACTICAL SYSTEM

Where flow is measured in GPM and pressure is measured in PSI

Chart is for reference purposes only.



Friction Loss for the 3" Model VXR Dry Valve
is equivalent to 14 feet of 3" Schedule 40 (I.D.= 3.068") pipe (C=100).

To calculate friction loss for the 3" (I.D. = 3.068") Viking Model VXR Dry Valve
at a specific flow, use the following formula:

P = Friction Loss (PSI)
Q= Flow (GPM)
C = Constant (=100)

$$P_{PSI} = \left(\frac{4.52 \times Q^{1.85}}{C^{1.85} \times 3.068^{4.87}} \right) \times 14$$