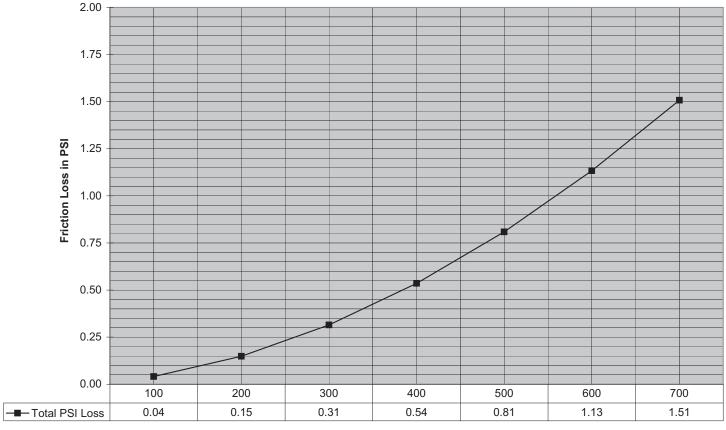May 18, 2009

VIKING

| TECHNICAL DATA | 3" MODEL F SERIES DRY VALVES FRICTION LOSS CHART |

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FOR USE WITH ENGLISH PRACTICAL SYSTEM
Where Flow is Measured in GPM and Pressure is Measured in PSI

Graph is for reference purposes.

	100	200	300	400	500	600	700
Total PSI Loss	0.04	0.15	0.31	0.54	0.81	1.13	1.51

Flow in GPM
(C = 120)
Friction Loss for the 3" Viking Model F Series Dry Valves is
equivalent to 3 feet of 3" Schedule 40 (id = 3.068") Pipe (C = 120).

To calculate friction loss for the 3" (id = 3.068") Viking Model F
Series Dry Valves at a specific flow, use the following formula:

$$P_{PSI} = \left(\frac{4.52 \times Q^{1.85}}{C^{1.85} \times 3.068^{4.87}} \right) \times 3$$

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

Form No. F_061809

New friction loss chart, issued May 18, 2009.

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