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VIKING

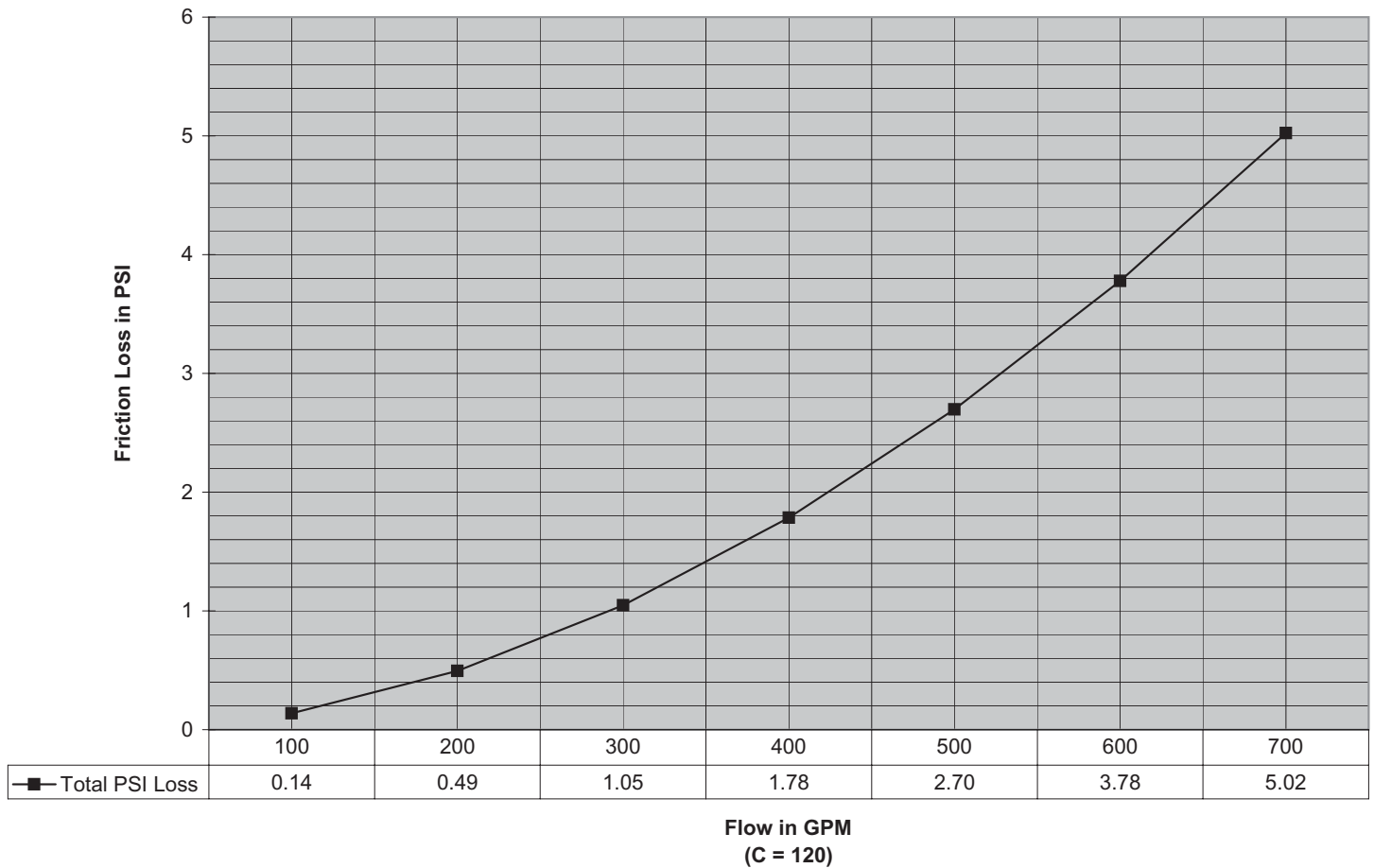| | TECHNICAL DATA | 3" MODEL J-1 ALARM CHECK VALVE FRICTION LOSS CHART |

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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	0.14	0.49	1.05	1.78	2.70	3.78	5.02

Flow in GPM
(C = 120)

Friction Loss for the 3" Viking Model J-1 Alarm Check Valve is equivalent to 10 feet of 3" Schedule 40 (id = 3.068") Pipe (C = 120).

To calculate friction loss for the 3" (id = 3.068") Viking Model J-1 Alarm Check Valve at a specific flow, use the following formula:

$$P_{PSI} = \left(\frac{4.52 \times Q^{1.85}}{C^{1.85} \times 3.068^{4.87}}\right) \times 10$$

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