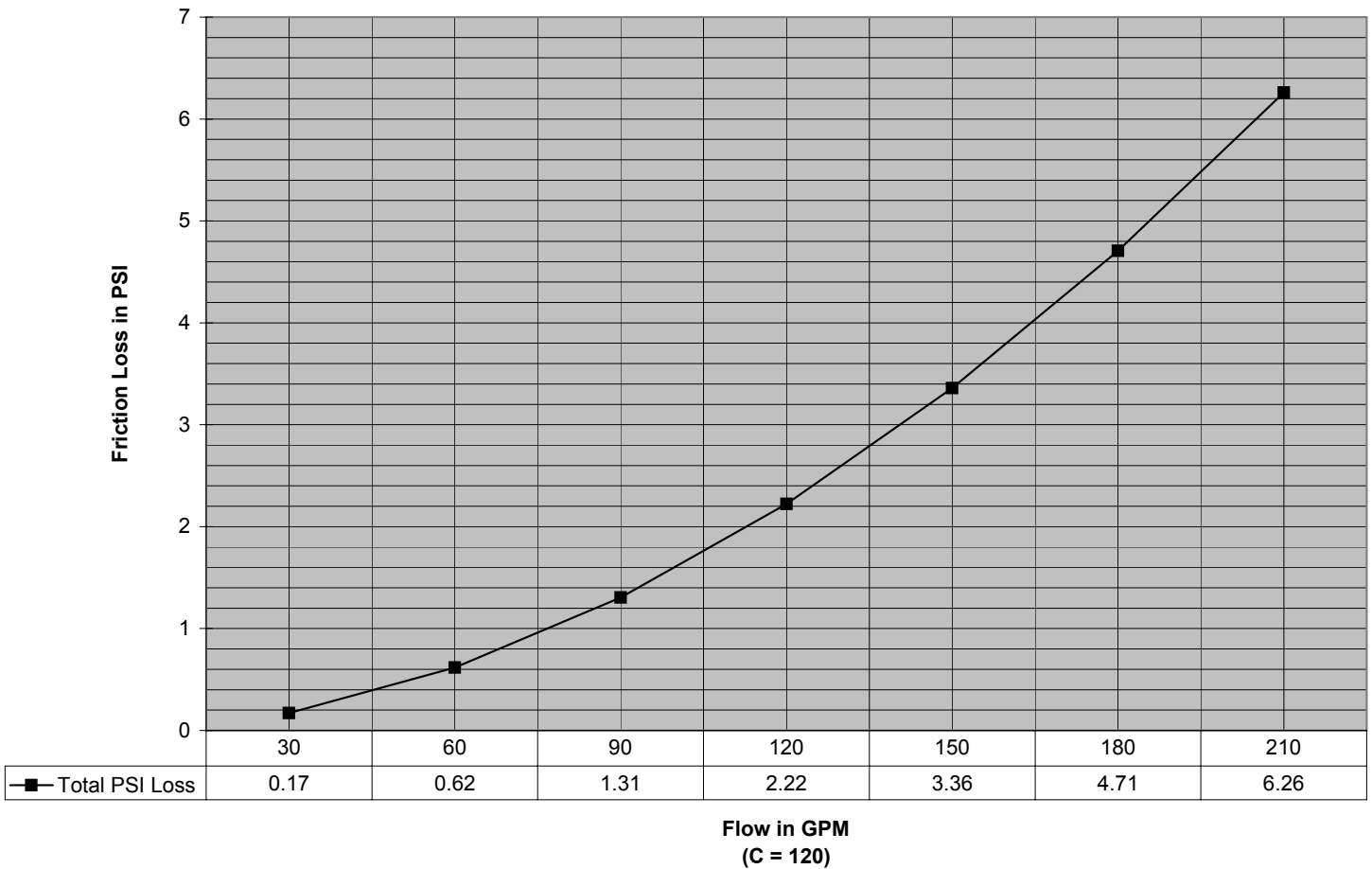


## Technical Data Sheet: Friction Loss Chart - 1-1/2" Model MW-3 In-Line Check Valve

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

Graph is for reference purposes.



Friction Loss for the 1-1/2" Minimax Fire Protection Model MW-3 Spring Loaded In-Line Check Valve is equivalent to 5 feet of 1-1/2" Schedule 40 (id = 1.61") Pipe (C = 120).

To calculate friction loss for the 1-1/2" (id = 1.61") Minimax Fire Protection Model MW-3 Spring Loaded In-Line Check Valve at a specific flow, use the following formula:

$$P = \left( \frac{4.52 \times Q^{1.85}}{C^{1.85} \times 1.61^{4.87}} \right) \times 5$$

PSI

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