



TECHNICAL DATA

2" Model E-1 Deluge Valve Friction Loss Chart

FOR USE WITH METRIC SYSTEM

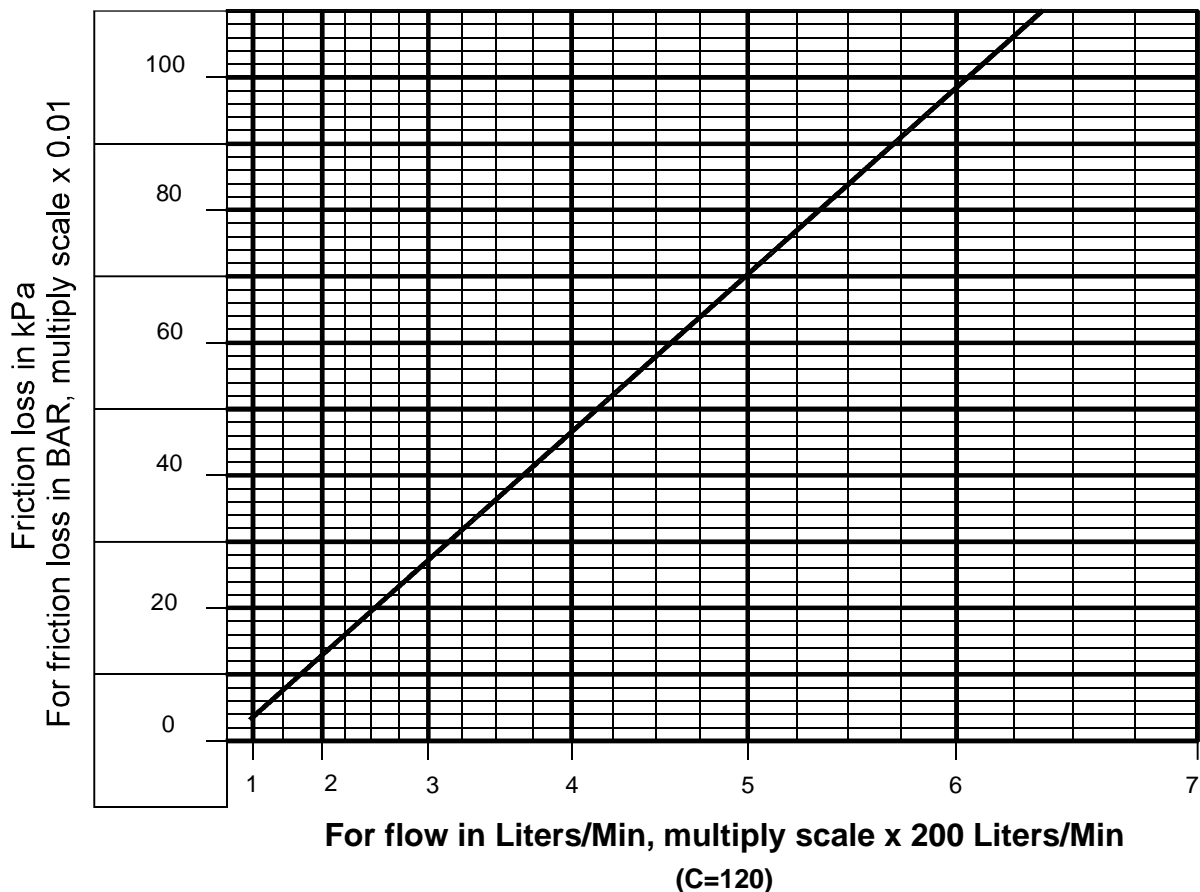
Where Flow is measured in Liters/Minute and Pressure is measured in kPa or BAR

Friction Loss for the 2" Model E-1 Deluge Valve is equivalent to 5,74 meters of 50mm (id= 53mm) pipe. (C=120).

To calculate friction loss for the 2" Model E-1 Deluge Valve at specific flows use the following formula.

$$P_{\text{kPa}} = \left(6.05 \times 10^7 \frac{Q^{1.85}}{C^{1.85} \times 53^{4.87}} \right) \times 5.74 \quad \text{Where} \quad \begin{array}{l} P = \text{Friction Loss in kPa} \\ Q = \text{Flow in Liters/Min} \\ C = \text{Constant (=120)} \end{array}$$

Graph is for reference purposes.



FRICITION LOSS TABLE FOR
2" VIKING MODEL E-1 DELUGE VALVE