



TECHNICAL DATA

4" 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

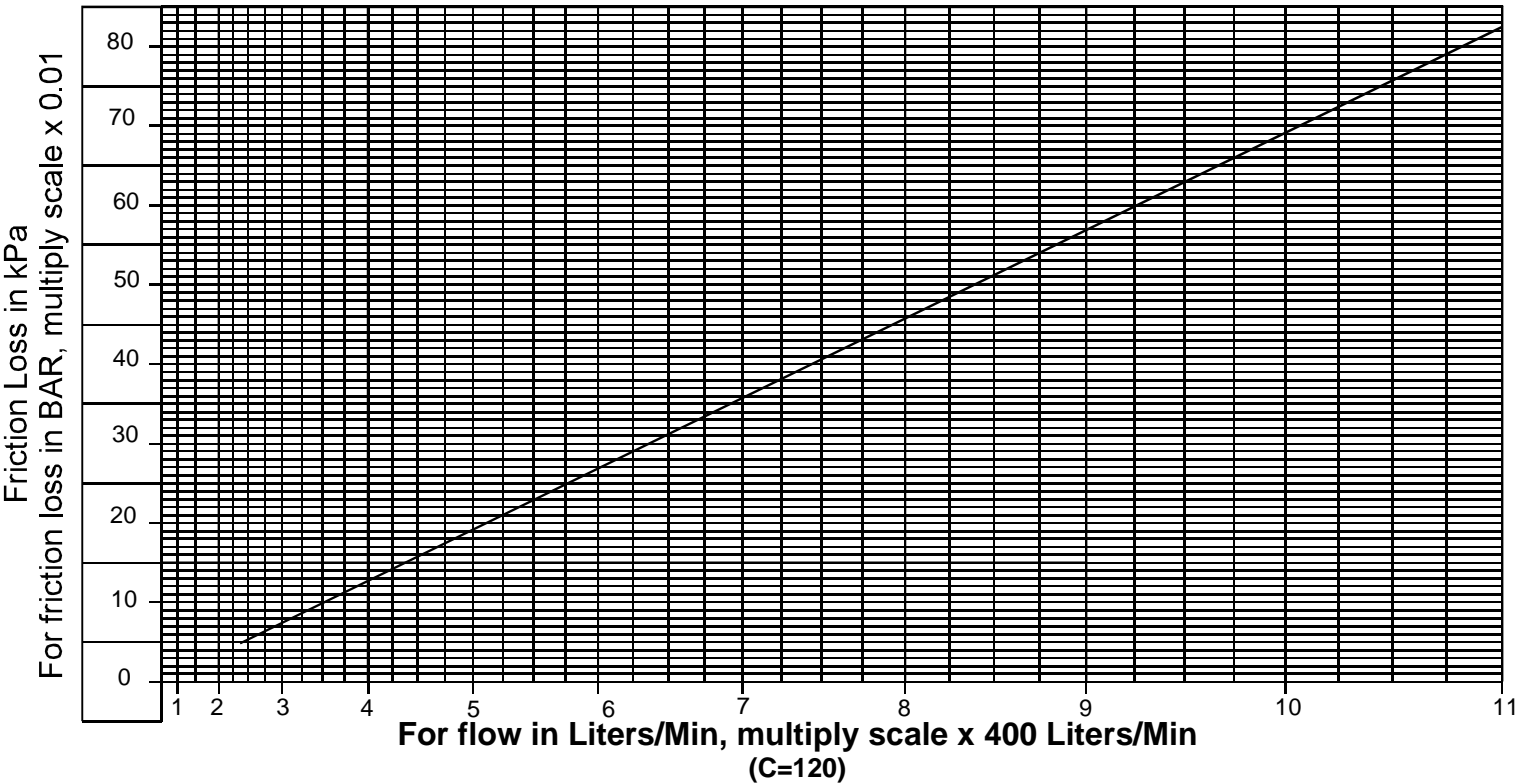
Friction Loss for the 4" Model E-1 Deluge Valve is equivalent to 13.36 meters of 100mm (id= 107,1mm) pipe. (C=120).

To calculate friction loss for the 4" Model E-1 Deluge Valve at specific flows use the following formula.

$$P_{\text{kPa}} = \left(\frac{6.05 \times 10^7}{C^{1.85}} \frac{Q^{1.85}}{x 107,1^{4.87}} \right) \times 13.36$$

Where
P = Friction Loss in kPa
Q = Flow in Liters/Min
C = Constant (=120)

Graph is for reference purposes.



FRICITION LOSS TABLE FOR 4" VIKING MODEL E-1 DELUGE VALVE