



TECHNICAL DATA

3" 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

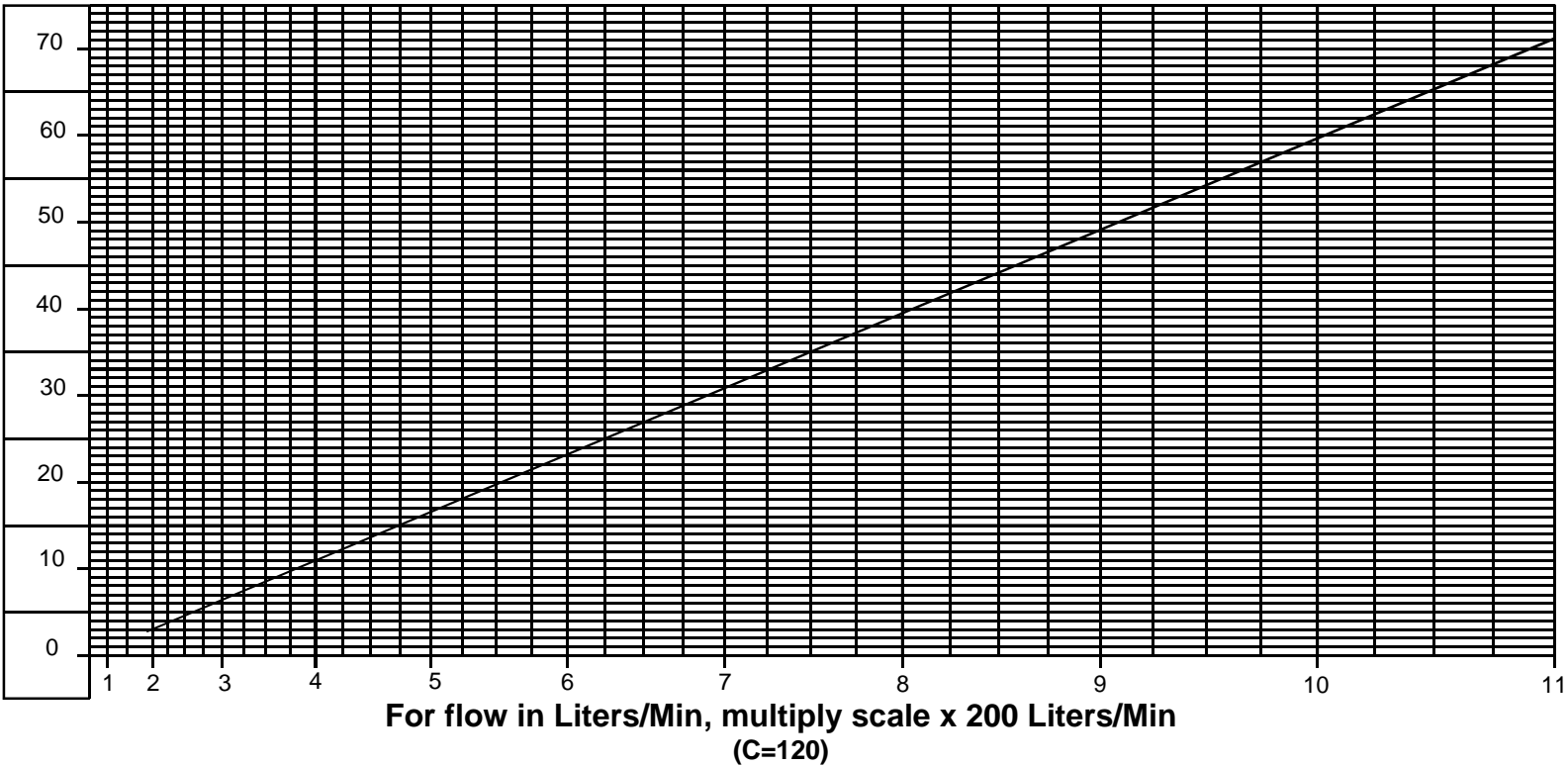
Friction Loss for the 3" Model E-1 Deluge Valve is equivalent to 11.66 meters of 80mm (id= 82,5mm) pipe. (C=120).

To calculate friction loss for the 3" Model E-1 Deluge Valve at specific flows use the following formula.

$$P_{kPa} = \left(6.05 \times 10^7 \frac{Q^{1.85}}{C^{1.85} \times 82,5^{4.87}} \right) \times 11.66$$

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

Graph is for reference purposes.



FRICITION LOSS TABLE FOR 3" VIKING MODEL E-1 DELUGE VALVE