



TECHNICAL DATA

**6" 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

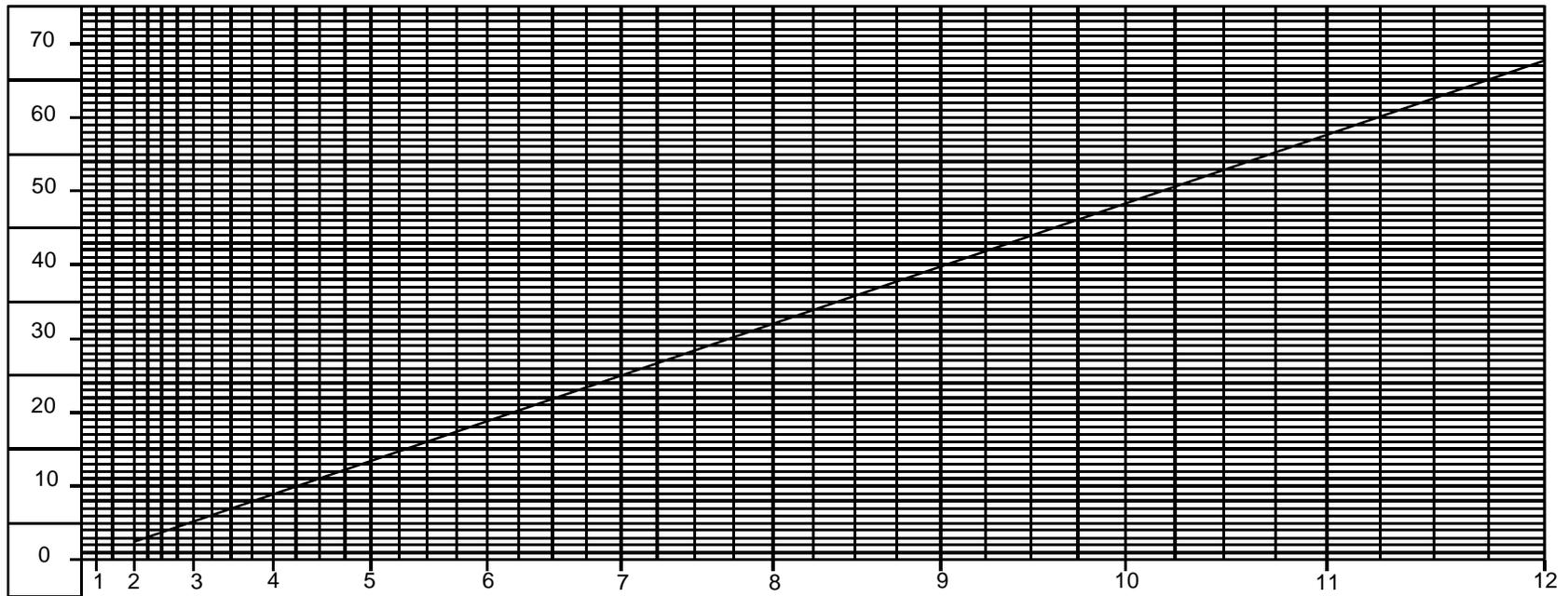
Friction Loss for the 6" Model E-1 Deluge Valve is equivalent to 11.84 meters of 150mm (id= 159,3mm) pipe. (C=120).

To calculate friction loss for the 6" Model E-1 Deluge Valve at specific flows use the following formula.

$$P_{kPa} = \left(6.05 \times 10^7 \frac{Q^{1.85}}{C^{1.85} \times 159,3^{4.87}} \right) \times 11.84$$

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

Graph is for reference purposes.



Friction Loss

**For flow in Liters/Min, multiply scale x 1000 Liters/Min
(C=120)**

FRICITION LOSS TABLE FOR 6" VIKING MODEL E-1 DELUGE VALVE