



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.

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

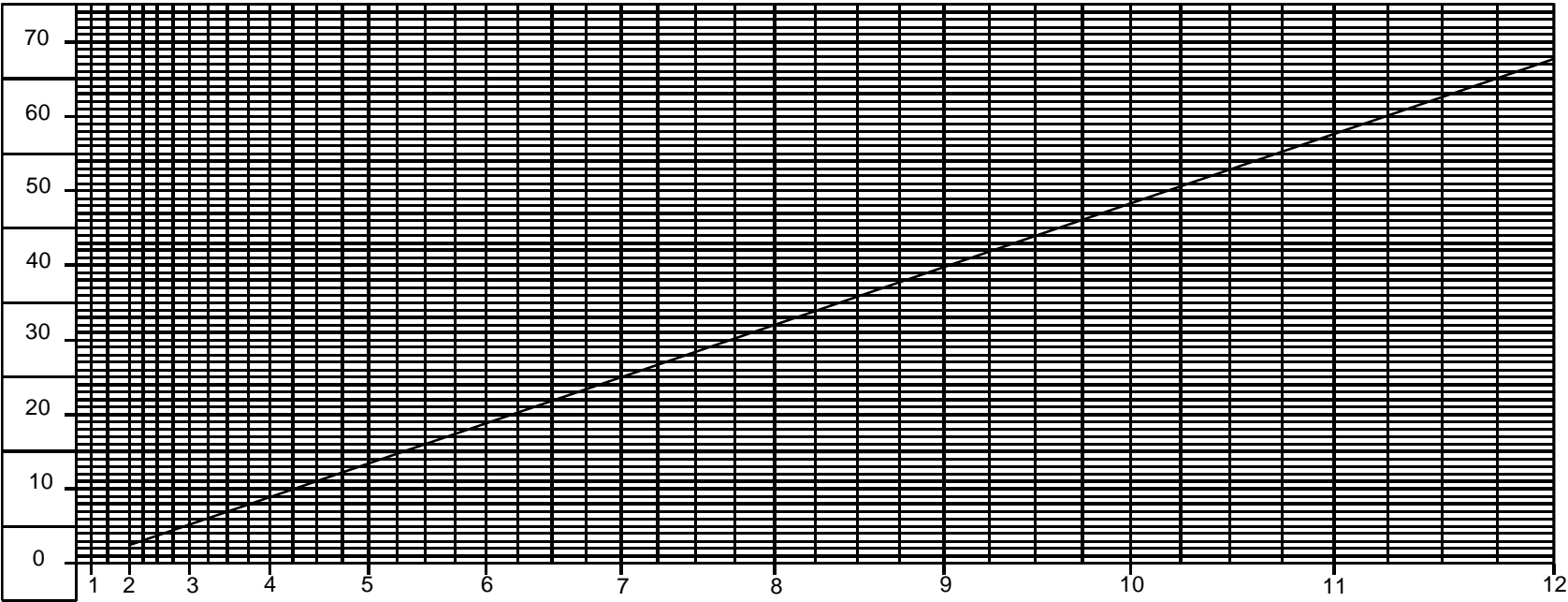
Where

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