

Friction loss per 100 feet:		
Q: gpm	1.5" dia	2.5" dia
50 gpm	-6 psi	-1 psi
60 gpm	-9 psi	-1 psi
80 gpm	-15 psi	-1 psi
100 gpm	-24 psi	-2 psi
120 gpm	-35 psi	-3 psi
150 gpm	-54 psi	-5 psi
200 gpm	-96 psi	-8 psi
250 gpm	-150 psi	-13 psi
300 gpm	-216 psi	-18 psi
500 gpm	-600 psi	-50 psi
<p style="text-align: center;">C=24 C=2</p> <p>Friction = $C \cdot (Q/100)^2$</p> <p>Want 100 psi at nozzle</p> <p>Want 20 psi at next pump</p> <p>Elevation loss = 0.5 psi/foot</p> <p>Wye, etc. = 10 psi for $Q > 350$</p>		