

RULE OF THUMB – FIREGROUND FRICTION LOSS

<p style="text-align: center;">1-1/2"</p> <p>FLOW FL/100'</p> <p>50 GPM10 PSI 80 GPM20 PSI 100 GPM30 PSI 125 GPM50 PSI</p>	<p style="text-align: center;">2-1/2"</p> <p>Drop the last digit of the flow, subtract ten from that number.</p> <p>Example: 250 GPM -10 GPM 15 PSI/100'</p> <p style="text-align: center;"><i>(Above 399 gpm, just drop the "0")</i></p>	<p style="text-align: center;">5"</p> <p>FLOW FL/100'</p> <p>500 GPM2 PSI 1000 GPM5 PSI 1250 GPM10 PSI 1500 GPM15 PSI 2000 GPM20 PSI</p>																	
<p style="text-align: center;">1-3/4"</p> <p>FLOW FL/100'</p> <p>100 GPM15 PSI 125 GPM25 PSI 150 GPM30 PSI 180 GPM40 PSI 200 GPM60 PSI</p>	<p style="text-align: center;">3"</p> <p>Determine the flow in hundreds of gallons per minute and square the first digit.</p> <p>Example: 300 GPM 3 x 3 = 9 PSI / 100'</p>	<p style="text-align: center;">Efficient Carrying Capacity</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; border-bottom: 1px solid black;">Hose Size</th> <th style="text-align: left; border-bottom: 1px solid black;">Flows</th> </tr> </thead> <tbody> <tr><td>1-1/2"</td><td>100 GPM</td></tr> <tr><td>1-3/4"</td><td>150 GPM</td></tr> <tr><td>2"</td><td>200 GPM</td></tr> <tr><td>2-1/2"</td><td>300 GPM</td></tr> <tr><td>3"</td><td>500 GPM</td></tr> <tr><td>4"</td><td>1000 GPM</td></tr> <tr><td>5"</td><td>2000 GPM</td></tr> </tbody> </table>		Hose Size	Flows	1-1/2"	100 GPM	1-3/4"	150 GPM	2"	200 GPM	2-1/2"	300 GPM	3"	500 GPM	4"	1000 GPM	5"	2000 GPM
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<p style="text-align: center;">Nozzle Pressures Hand Lines</p> <p>Solid Stream50 PSI Combination100 PSI Low Pressure Comb.50 PSI Low Pressure Comb.75 PSI</p>
<p style="text-align: center;">Heavy Streams</p> <p>Solid Stream80 PSI Combination100 PSI Low Pressure Comb.50 PSI Low Pressure Comb.75 PSI</p>