

## PerformancePro Pumps, Inc.

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<b>Waterfall Flow Estimator</b>						
<b>Width of Waterfall</b>	<b>Height (or Thickness) of Water</b>					
	<b>1 / 8"</b>	<b>1 / 4"</b>	<b>1 / 2"</b>	<b>3 / 4"</b>	<b>1"</b>	<b>1 1/4"</b>
	<i>Gallons Per Minute</i>					
<b>6"</b>	<b>0.75</b>	<b>2.22</b>	<b>6.23</b>	<b>11.38</b>	<b>17.37</b>	<b>24.09</b>
<b>1'</b>	<b>1.55</b>	<b>4.46</b>	<b>12.57</b>	<b>23.06</b>	<b>35.34</b>	<b>49.23</b>
<b>2'</b>	<b>3.13</b>	<b>8.95</b>	<b>25.25</b>	<b>46.40</b>	<b>71.28</b>	<b>99.51</b>
<b>3'</b>	<b>4.72</b>	<b>13.40</b>	<b>37.93</b>	<b>69.75</b>	<b>107.22</b>	<b>149.79</b>
<b>4'</b>	<b>6.30</b>	<b>17.92</b>	<b>50.61</b>	<b>93.10</b>	<b>143.16</b>	<b>200.10</b>
<b>5'</b>	<b>7.90</b>	<b>22.42</b>	<b>63.29</b>	<b>116.45</b>	<b>179.10</b>	<b>250.35</b>
<b>6'</b>	<b>9.50</b>	<b>26.89</b>	<b>75.97</b>	<b>139.80</b>	<b>215.04</b>	<b>300.63</b>
<b>7'</b>	<b>11.10</b>	<b>31.30</b>	<b>88.65</b>	<b>163.15</b>	<b>250.98</b>	<b>350.91</b>
<b>8'</b>	<b>12.60</b>	<b>35.88</b>	<b>101.33</b>	<b>186.50</b>	<b>288.92</b>	<b>401.20</b>

Formula used to calculate gallons per minute

$$Q = 1495 (H^{3/2}) (B - .2H)$$

Q = Gallons per minute

H = Height of water in feet

B = Width of water in feet

