



Horizontal Water Flow Rate Calculations- UltraBaseSystems Champion Panel

Panel Area	784 sq in 0.605 sq yard
Water outflow	5 gallons in 42 seconds* Flow rate = 0.1190 gal /s = 7.14 gal / min = 7.14 / 0.605 gal / sq yd / min = 11.80 gal / sq yd / min
Rainfall equivalent	5 gallons per 784 sq in = 1155 cubic inches per 784 square inches = 1155 / 754 inches rainfall depth = 1.47 inches rainfall depth
Rainfall equivalent flow rate	= 1.47 inches per 55 sec = 0.035 inches per second = 0.035 x60 x60 inches per hour = 126 rainfall equivalent inches per hour

* *Raw data provided by*

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