

Graf Optimax Performance

US Adaptation by RainHarvest Systems



TEST 1:
Incoming flow: 0.354 Gal/sec (1275 Gal/hr) corresponds to heavy rainfall of 10.7 Gal/sec per acre on a roof area of 1500 ft² (roof coefficient: 1.0)

Yield rate: 99.8%



TEST 2:
Incoming flow: 0.827 Gal/sec (2977 Gal/hr) corresponds to heavy rainfall of 10.7 Gal/sec per acre on a roof area of 3400 ft² (roof coefficient: 1.0)

Yield rate: 96.5%

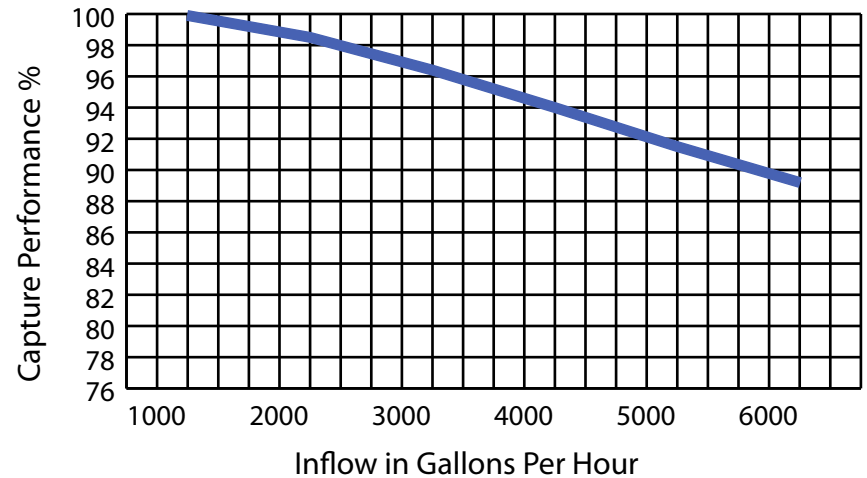


TEST 3:
Incoming flow: 1.701 Gal/sec (6125 Gal/hr) corresponds to heavy rainfall of 10.7 Gal/sec per acre on a roof area of 7000 ft² (roof coefficient: 1.0)

Yield rate: 89%

To tank

Overflow



RESULTS IN PRACTICE:

A single-family home with a 1600ft² roof area will collect 1000 gallons of water in 1 hour at a rate of .28 Gal/sec during a typical 1" rain event.

With an efficiency of 99.9%, a 1700 gallon tank will fill in 102 minutes.