

Alternative Drainfield Comparisons

Comparison of commonly used alternative drainfield products with a standard aggregate system.

300 gpd system with a 0.7g/sqft/day loading rate.

Standard drainfield size = 429 square feet (300 / 0.7)

Each Drainfield system is designed as a five line system.

ADS/Hancor

Standard Biodiffuser Chamber

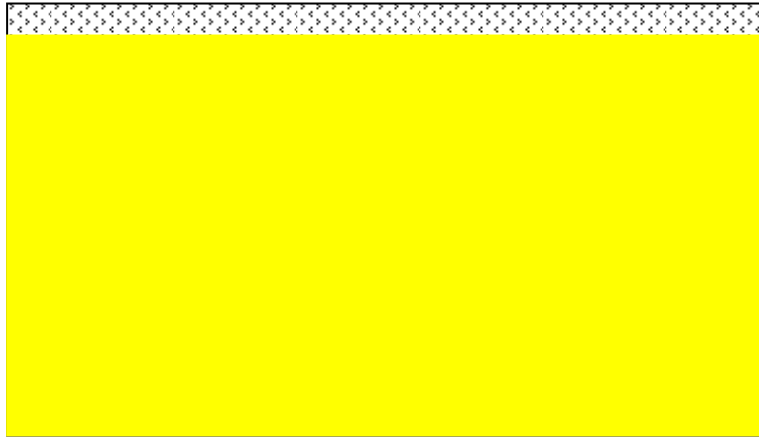
34" x 75" (chamber size)

Equivalency Rating = 18.75 sqft / chamber

Aggregate Footprint = 15' x 28.6' = 429 sqft

Biodiffuser Footprint = 16.16' x 28.6' = 462.17 sqft

Total Chambers Required = 22.88 chambers



Biodiffuser 3 Chamber

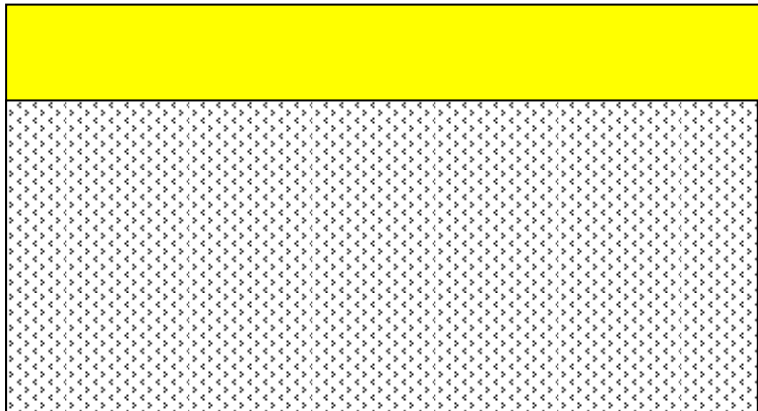
22' x 86" (chamber size)

Equivalency Rating = 21.6sqft /chamber

Aggregate Footprint = 15' x 28.6' = 429 sqft

Bio 3 Footprint = 11.2' x 28.466' = 318.82sqft

Total Chambers Required = 19.865 chambers



ARC 24 Chamber

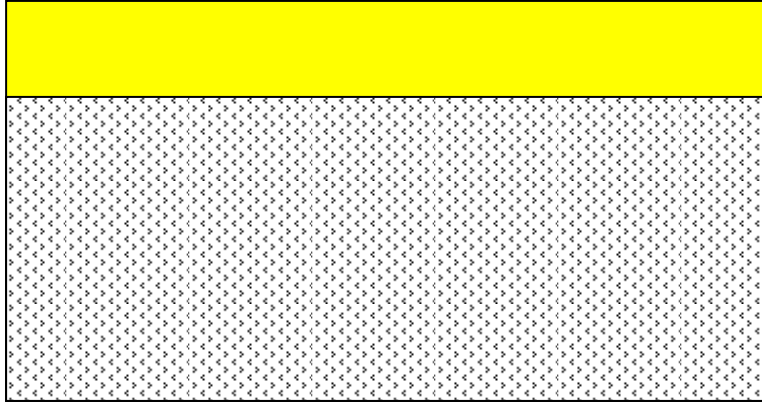
22.5" x 60" (chamber size)

Equivalency Rating = 15 sqft/chamber

Aggregate Footprint = 15' x 28.6' = 429 sqft

ARC 24 Footprint = 11.4 x 28.6 = 326.04 sqft

Total Chambers Required = 28.6 chambers



MPS-13

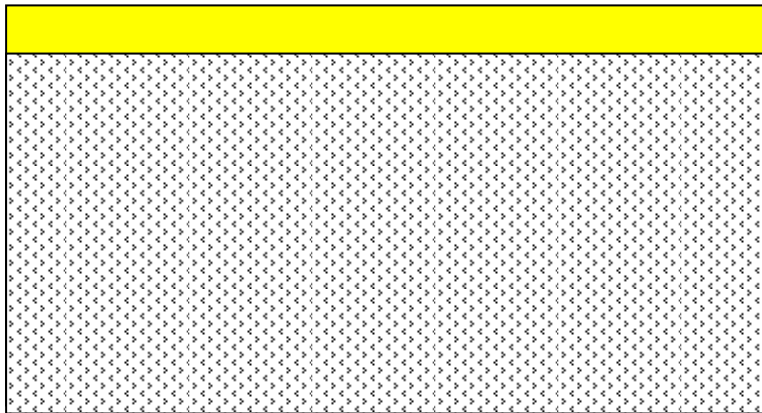
32.375" x 120" (bundle size)

Equivalency Rating = 3sqft/linear foot

PTI/ADS

Aggregate Footprint = 15' x 28.6' = 429sqft

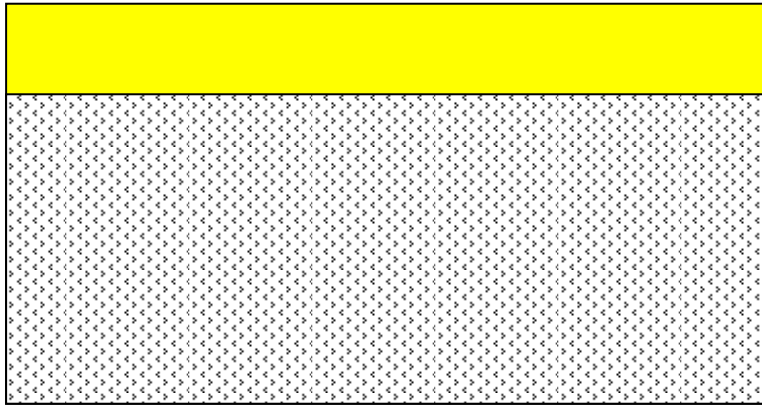
MPS-13 Footprint = 13.5' x 28.6' = 386.1sqft



MPS-11

27.75" x 120" (bundle size)
Equivalency Rating=3sqft/linear foot

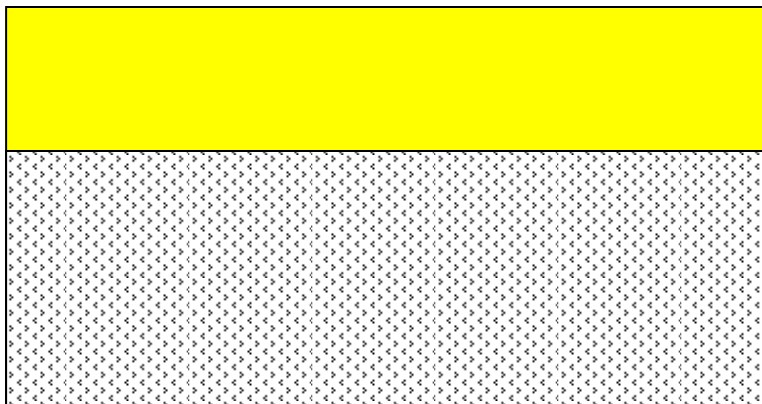
Aggregate Footprint= 15' x 28.6' = 429 sqft
MPS-11 Footprint= 11.6' x 28.6' = 331.76sqft



MPS-9

23.125" x 120" (bundle size)
Equivalency Rating= 3sqft/linear foot

Aggregate Footprint= 15' x 28.6' = 429sqft
MPS-9 Footprint= 9.6' x 28.6' = 274.56sqft

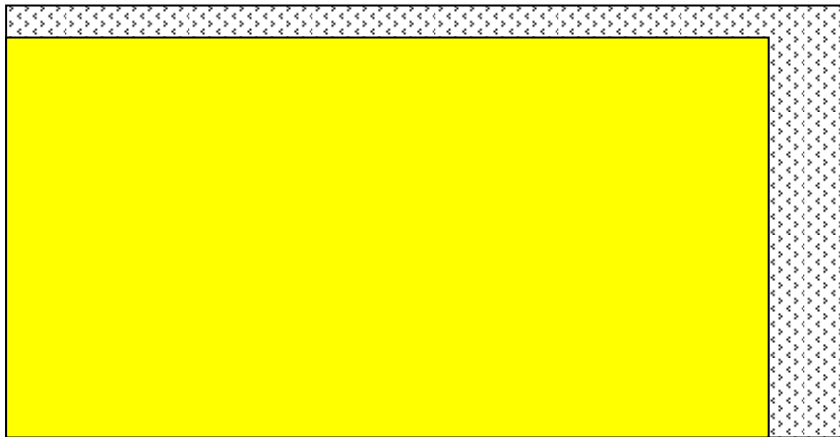


Infiltrator

Standard Quick 4 Chamber

34"x 53" (chamber size)
Equivalency Rating= 12 sqft/chamber

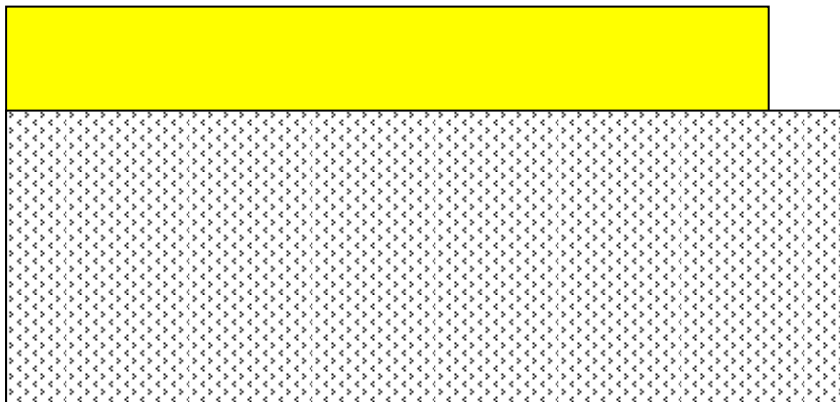
Aggregate Footprint= 15' x 28.6' = 429sqft
Quick 4 Footprint= 16.2' x 31.6' = 511.92sqft
Total Chambers Required= 35.75 chambers



Quick 4 EQ36 Chamber

22"x 53" (chamber size)
Equivalency Rating= 12sqft/chamber

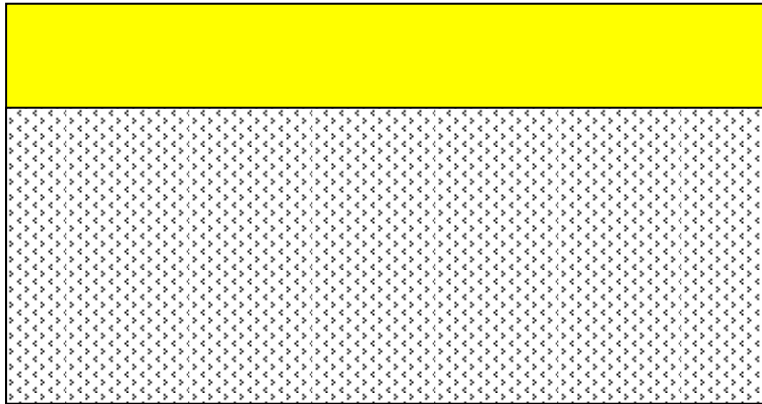
Aggregate Footprint= 15' x 28.6' = 429sqft
Quick 4 EQ36 Footprint= 11.1' x 31.6' = 350.76sqft
Total Chamber Required= 35.75 chambers



Standard EQ36 Chamber

22"x 100" (chamber size)
Equivalency Rating= 25sqft/chamber

Aggregate Footprint= 15' x 28.6' = 429sqft
Std EQ36 Footprint= 11.1' x 28.6' = 317.46sqft
Total Chambers Required= 17.16 chambers

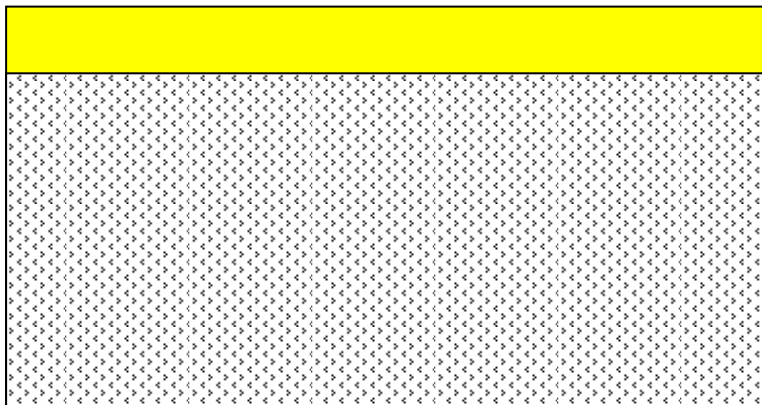


Ring Industrial

EZ Flow 1003H

30"x 120" (bundle size)
Equivalency Rating= 3 sqft/linear foot

Aggregate Footprint= 15' x 28.6' = 429sqft
1003H Footprint= 12.5' x 28.6' = 357.5sqft



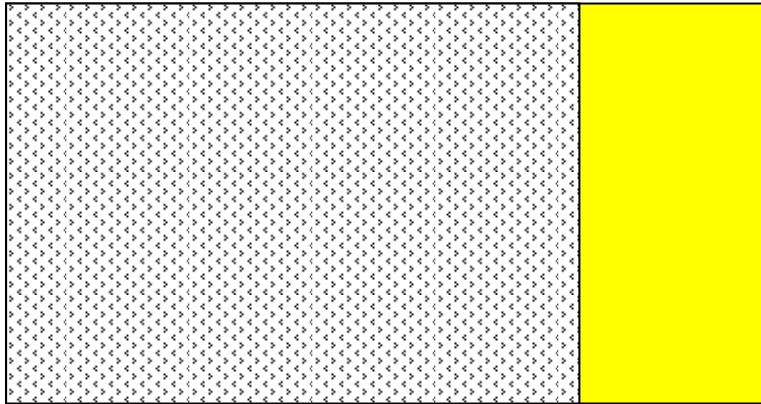
EZ Flow 1203H

36"x 120" (bundle size)

Equivalency Rating= 4 sqft/ linear foot

Aggregate Footprint = 15' x 28.6' = 429sqft

1203H Footprint = 15' x 21.45' = 321.75 sqft



Cultec

Contactora EZ24

16''x 96'' (chamber size)

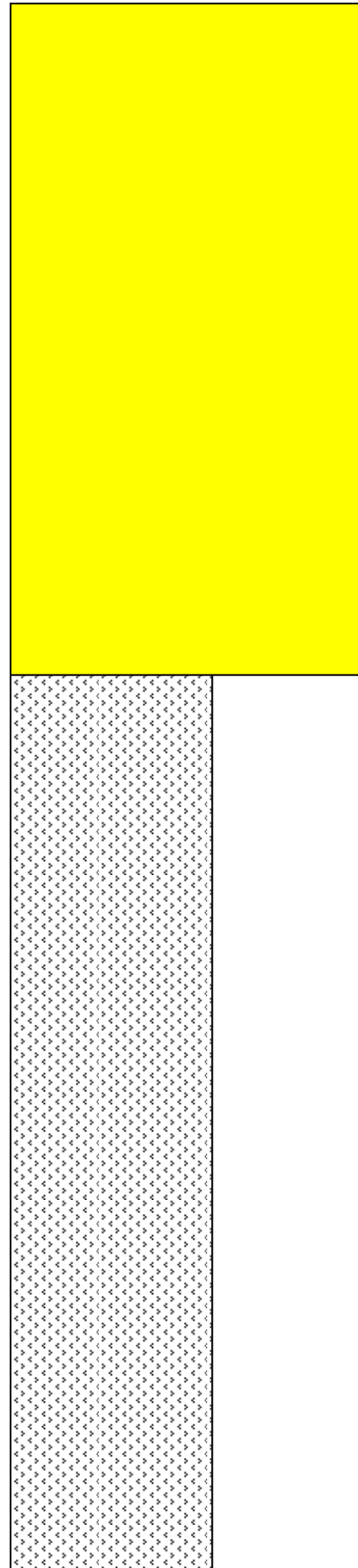
Equivalency Rating= 10.75 sqft/chamber

Aggregate Footprint= 15' x 28.6' = 429 sqft

Contactora EZ24 Footprint= 8.6' x 63.8' = 548.68sqft



Total Chambers Required = 39.91 chambers



Contactors 100

36" x 88.8" (chamber size)

Equivalency Rating= 21.5 sqft/chamber

Aggregate Footprint= 15' x 28.6' = 429sqft

Contactors 100 Footprint= 17' x 29.53' = 502.01sqft

Total Chambers Required= 19.95 chambers

