## Filterra Sizing for Attachment H Biofilter Equivalency AREA A

Drainage	Araa	Innute
<b>Drainage</b>	AICa	IIIputs

Drainage Area	ft <sup>2</sup>	33106	
Runoff coefficient	Um	0.82	
Time of concentration	min	30	
85th percentile, 24-hour depth	in	1.00	LA County
Long term reliable infiltration rate	in/hr	0.00	
Constants			
LAX Airport 85th Percentile, 24-hour depth (for reference only)	in	1.02	0
Filterra hydraulic loading capacity	gpm/ft <sup>2</sup>	1.45	19 13 13 15 15 15 15 15 15 15 15 15 15 15 15 15
Outputs			高高 高
Stormwater Quality Design Volume	ft <sup>3</sup>	2,262	797 20
Design Rainfall Intensity for Equivalent Long Term Capture	in/hr	0.320	223
Site Scaling Factor	2 <del>-</del>	0.98	
Stormwater Quality Design Flow Rate	cfs	0.20	SSE V

Equivalent Filterra Model			
Adjusted Filterra Design Intensity	in/hr	0.340	
Stormwater Quality Design Flow Rate	cfs	0.21	
Required Filterra Area	ft <sup>2</sup>	65	
Filterra Model ID		6x12	

6x12

## **Filterra Sizing for Attachment H Biofilter Equivalency** AREA B

		•
Drainage	Araa	Innute
Diamage	AICa	IIIputs

Drainage Area	ft <sup>2</sup>	86249	
Runoff coefficient	1 <del>5</del> 01	0.82	
Time of concentration	min	30	
85th percentile, 24-hour depth	in	1.00	LA County
Long term reliable infiltration rate	in/hr	0.00	
Constants			
LAX Airport 85th Percentile, 24-hour depth (for reference only)	in	1.02	
Filterra hydraulic loading capacity	gpm/ft <sup>2</sup>	1.45	
Outputs			
Stormwater Quality Design Volume	ft <sup>3</sup>	5,894	
Design Rainfall Intensity for Equivalent Long Term Capture	in/hr	0.320	
Site Scaling Factor	<b>=</b> 2	0.98	
Stormwater Quality Design Flow Rate	cfs	0.51	

Equivalent internatione	Eq	uiva	lent Fi	lterra	Model
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Adjusted Filterra Design Intensity	in/hr	0.340
Stormwater Quality Design Flow Rate	cfs	0.55
Required Filterra Area Filterra Model ID	ft²	169 FALSE

## **Filterra Sizing for Attachment H Biofilter Equivalency** AREA C

Dwa	inaca	A	Inputs
Dra	iinage	Area	inputs

Drainage Area	$ft^2$	44431	
Runoff coefficient			
	·	0.82	
Time of concentration	min	30	
35th percentile, 24-hour depth	in	1.00	LA Cou
ong term reliable infiltration rate	in/hr	0.00	
Constants			
AX Airport 85th Percentile, 24-hour depth (for reference only)	in	1.02	
ilterra hydraulic loading capacity	gpm/ft <sup>2</sup>	1.45	
<u>Outputs</u>			
tormwater Quality Design Volume	ft <sup>3</sup>	3,036	
Design Rainfall Intensity for Equivalent Long Term Capture	in/hr	0.320	
ite Scaling Factor		0.98	
Stormwater Quality Design Flow Rate	cfs	0.26	

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Adjusted Filterra Design Intensity	in/hr	0.340	
Stormwater Quality Design Flow Rate	cfs	0.28	
Required Filterra Area Filterra Model ID	ft <sup>2</sup>	87 7x13	(, =>)/L