

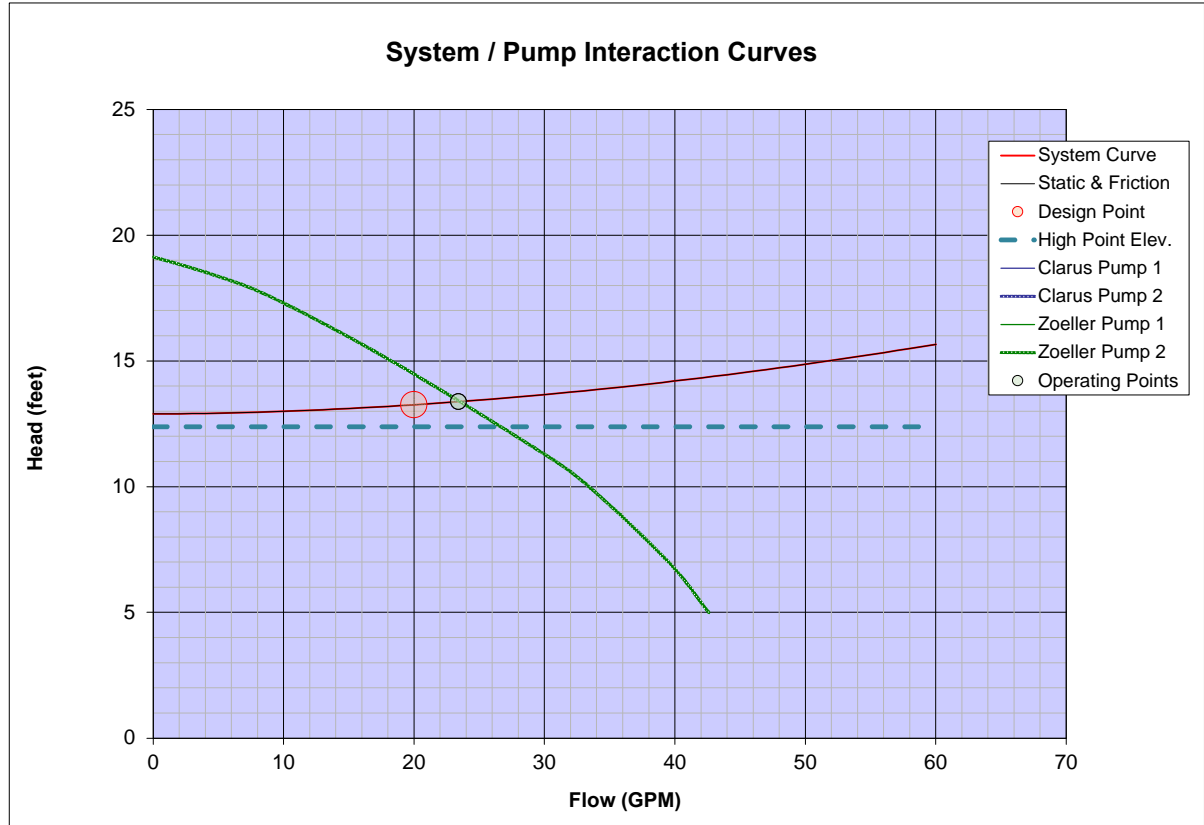
System Head Curve and Pump Selection Tool

Static Head Information		
Static Head - elevation difference from low water to outfall	12.9 feet	Elev. difference from low water to system high point
System high point above outfall?	Yes	12.4 feet

Friction Head Information			
Pipe			
How many different pipes in the system (not counting laterals)?	1		
Pipe 1 Length	75 feet		
Pipe 1 Size	2 1/2 inches		
Pipe 1 Class	SDR-21/Class 200		
Pipe 2 Length			
Pipe 2 Size			
Pipe 2 Class			
Pipe 3 Length			
Pipe 3 Size			
Pipe 3 Class			
Pressurized Laterals?			
How many are dosed at once?	No		
Length of one lateral			
Size of lateral			
Class of lateral			
Fittings & Discharge Assemblies			
Type	Size	Quantity	Flow
90 Elbow	2 inches	1	100 %
Check Valve	2 inches	1	100 %
Special Friction Considerations			
Weep Hole	Yes	1/8 "	
Add-In Friction	15 % of Pipe Loss		
Automatic Multizone Valve?	No		
Pressure Filter?	No		

Operating Head Information		
System Type	Non-Pressurized	Specify Flow Requirement?
Required Pressure		Yes
Number of Orifices		
Size of Orifices		
Spider Valve Orifice Sizes (Data originates from Spider Valve Sizing Tab)		

Factors and Coefficients		
Hazen-Williams C Factor	150	
Discharge Coefficient (Cd)	0.61	
Lateral Design Mode	Off	



Flow Requirement	20.0 GPM
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NOTE: THE DISPLAYED PUMP CURVES HAVE BEEN ADJUSTED TO ACCOUNT FOR THE EFFECT OF THE WEEP HOLE

Pump Selection	60 Hz	Frequency
Clarus Environmental Pumps		
Clarus Pump 1		Operating Points
Flow Control Orifice?		
Clarus Pump 2		
Flow Control Orifice?		
Zoeller Pump Company Pumps		
Zoeller Pump 1	53/55/57/59, 0.3hp, 60Hz	23.4 GPM @ 13.4'
Zoeller Pump 2	53/55/57/59, 0.3hp, 60Hz	23.4 GPM @ 13.4'

Design Point	20.0 GPM @ 13.3' TDH
Curve Zoom Range	60 GPM

Project Data		Notes:
Project Name:		
Project Address:		
Contact Info:		