

Static Water Screen Proposal Questionnaire

(Send an email to request an Excel version of this form) The purpose of this form is to capture the data required to develop a **Static Water Screen or Trash Screen/Rack proposal**. We need specific and accurate information to understand the performance criteria of the proposed system, and the environment in which it will operate. If you have questions about the type of water screen system you need, or questions about this form, please contact us for assistance.

Please fill-out or check (X) **ALL** applicable **GRAY** highlighted boxes and check boxes. Please read important form notes highlighted in **YELLOW**. Once completed, please scan and email the form to the address above.

GENERAL INFORMATION:

Company:	
Project Name:	
Application (i.e. cooling tower):	
City, State or Country of Site:	
Scheduled Date of Installation:	
Date Quote is Required:	

CONTACT INFORMATION:

Name:	
Phone:	
Mobile Phone:	
Email:	

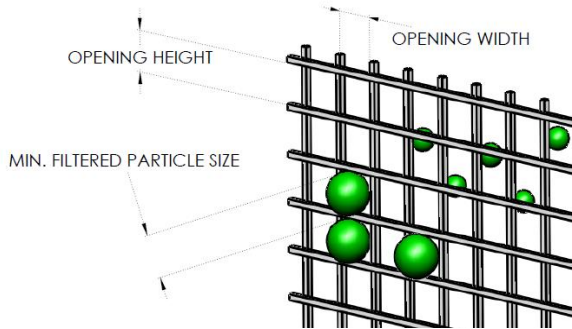
FILTRATION INFORMATION:

<input type="checkbox"/> New facility	<input type="checkbox"/> Replacing existing screens	Facility must comply with EPA 316(b) Regulations:	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> Don't Know
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Water Temperature	Minimum:		Maximum:		<input type="checkbox"/> Fahrenheit	<input type="checkbox"/> Celsius
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Notes on Water Composition: (saltwater, freshwater, acidic, etc.)	
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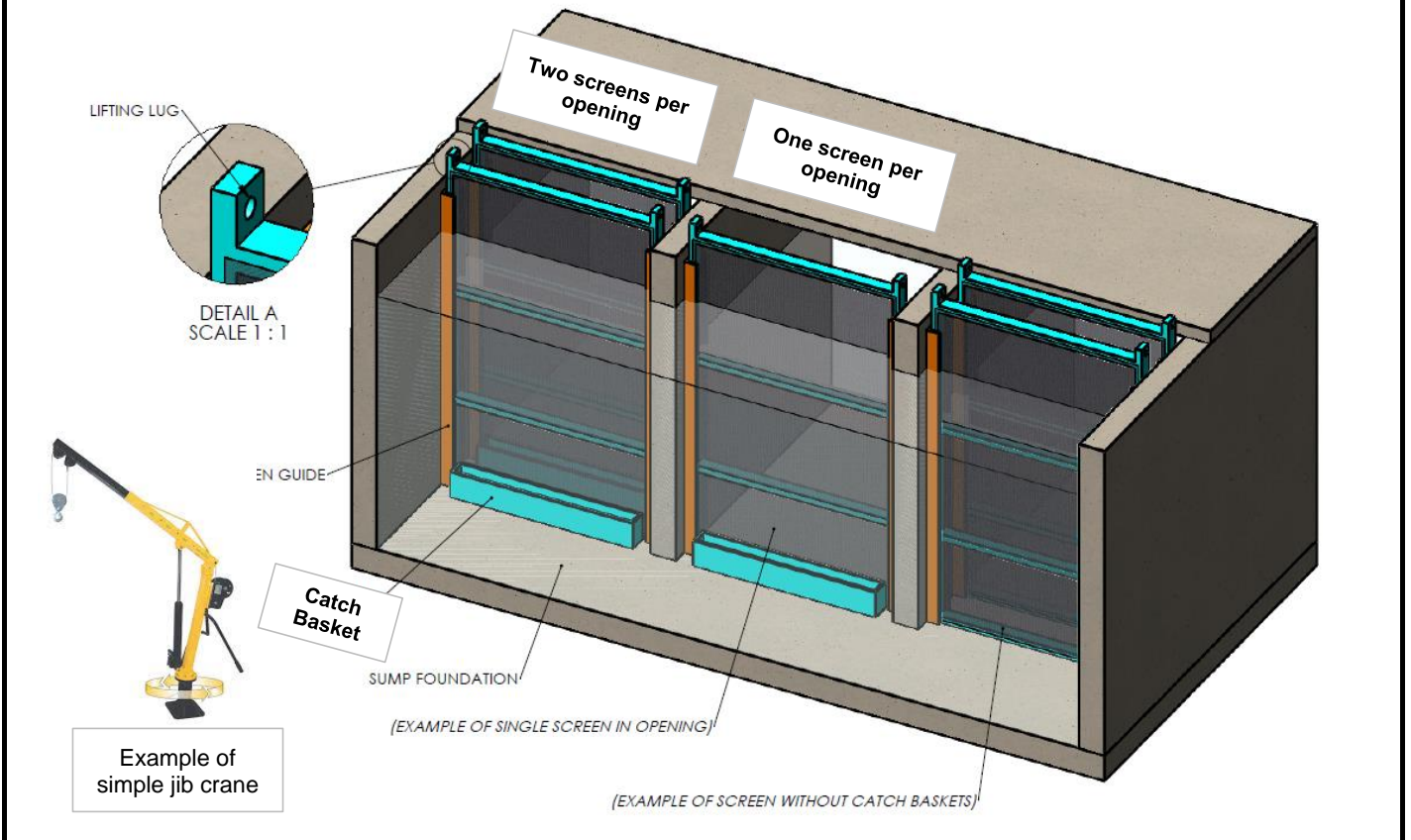
Type of Debris being Filtered:	
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Specify: Minimum Size to be Filtered, OR Screen Opening Dimensions:			
Minimum Size to be Filtered:			Notes:
Screen Opening Dimensions:			

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SCREEN OPTIONS INFORMATION:

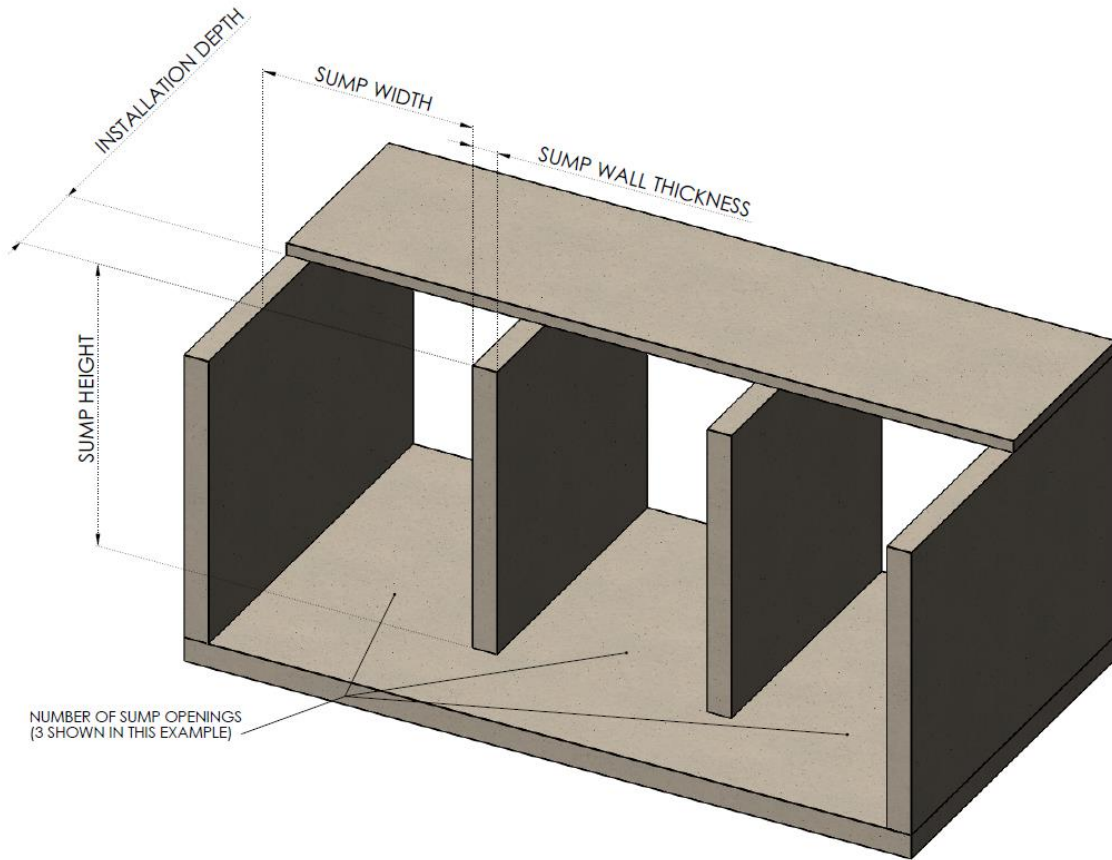
Cambridge specializes in custom water screen systems. If these images are not similar to your facility, please let us know. Our engineering department will be happy to discuss your specific needs!



Number of Sump Openings: (3 shown in example)		Notes:	
<input type="checkbox"/> Two Screens Per Opening (left screen in picture above)		<input type="checkbox"/> One screen per opening (middle screen in picture above)	
<input type="checkbox"/> Include catch basket on screens (bottom of screen picture above)		<input type="checkbox"/> No catch basket required	
<input type="checkbox"/> Guides anchored to wall face		<input type="checkbox"/> Guides embedded into concrete	
<input type="checkbox"/> Include new guides in quote		<input type="checkbox"/> We will use our existing guides	
For <u>existing</u> facilities, dimensional information of guides is required. <u>Embedded guides on new facilities</u> must be designed into foundation before it is poured. Anchored guides may be added to any flat wall.			
<input type="checkbox"/> Include a screen extraction (lifting) system (example: jib crane lower left picture above)		<input type="checkbox"/> Do not include extraction system in the proposal	
Screen material requirements, if known: Typical screen materials include galvanized steel, 304 & 316 Stainless steel.		Power specifications (480V/60Hz, existing motor, etc):	

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SUMP DIMENSIONAL INFORMATION:

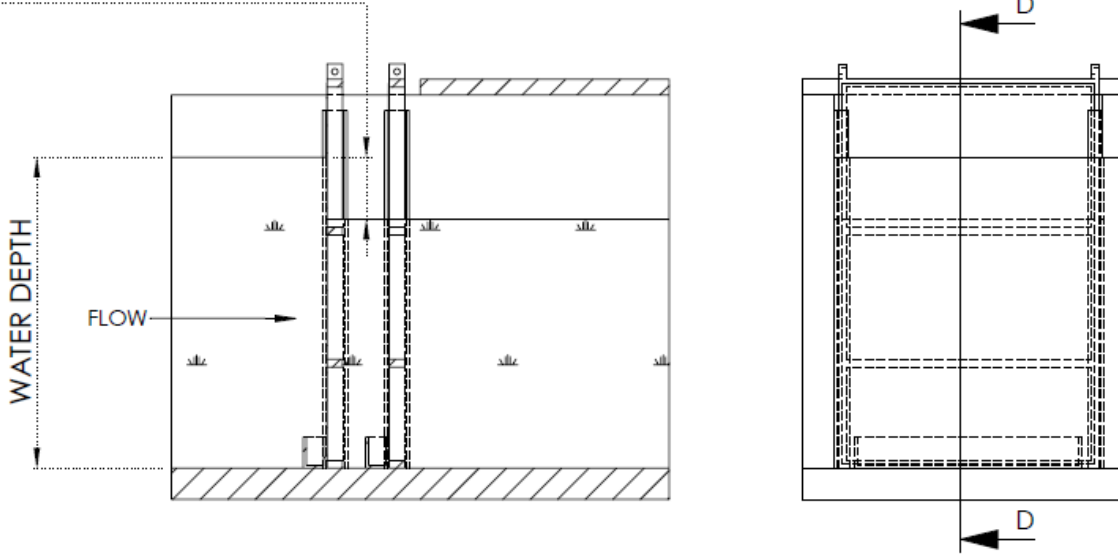


Sump Opening Height:		<input type="checkbox"/> We have multiple opening sizes
Sump Opening Width:		<input type="checkbox"/> We have differing flow rates in each opening
Installation Depth Available: (for width of the screen system)		If your facility has multiple opening sizes, and/or differing flow rates in each opening, you may complete one form per sump size, or contact us for assistance
Minimum Sump Wall Thickness:		
Sump Foundation Material: Please Include concrete strength rating, if known.		
Other notes on facility layout: Please include drawings if possible.		

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PRESSURE AND FLOW INFORMATION:

WATER HEIGHT DIFFERENCE
ACROSS SCREEN



Water Flow Rate per sump opening:	Minimum:		Maximum:		<input type="checkbox"/> Gallons per minute	<input type="checkbox"/> Other:	
					<input type="checkbox"/> Cubic feet per second		
Water Depth:	Minimum:		Maximum:		Angle of Install:	Notes:	

Water screens are engineered to support a specific **pressure differential**. Pressure is affected by: Flow rate through the screen, overall screen size, opening size of screen, and any clogging of the screen.

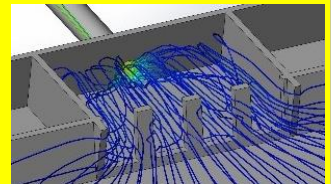
The pressure the system must withstand is a key factor in the design, and the type of material used to manufacture the system. We will design systems to support a 100% clogged screen. This implies the screen is operating essentially as a dam. This is the highest design strength typically specified, but may not be necessary in all facilities.

You may specify your screen design in one of two ways:

1. Percentage clogged, or
2. Water Height Difference

If specifying **Percent Clogged**, please specify (below) the highest percentage of the frontal area of the screen that will be allowed to become clogged in between cleanings (0% - 100%).

If specifying by **Water Height Difference**, please specify (below) the water level that will be allowed to build behind the screen at full flow, before the screen is cleaned. You may specify up to the maximum water depth (listed above) for the water height difference.



If you have questions about pressure differential or other flow rate calculations, please contact us. We have resources available to assist.

Check 1, 2 or 3 and Give % or Height	<input type="checkbox"/> 1. Percent Clogged	Percent:		Notes:
	<input type="checkbox"/> 2. Water Height Difference	Height:		
	<input type="checkbox"/> 3. Design for 100% Clogged / Dam of water			