



ECONOMY:

- Operating costs
- Maintenance
- Man-hours
- Costs



ENVIRONMENT:

- Architecture
- Degree of retention



CSR:

- Easy to maintain
- Improved working conditions

PRE-TREATMENT

PROCESS

SLUDGE TREATMENT

OUTSIDE THE FENCE

SERVICE

COOPERATION WITH **value**

At Stjernholm, we work to ensure that we always deliver the best sustainable solutions possible with regards to economy, environment and CSR.

We believe that the best solution is achieved through leveraging our shared competencies optimally in a successful collaboration based on

mutual respect, an open and frank dialogue and exchange of ideas.

We propose large tenders is divided into 6 phases, in order to ensure optimum correlation between our clients' strategies, KPIs and objectives and the opportunities the sector and advisers can offer.

Through our dialogue with you as a customer, we appraise whether there are other factors that can affect the decision such as:

- Are there basins for the flush water?
- What volume in ft³ needs to be filtered?
- Is the final decision based on specific KPIs and targets?

This way maximum safety is achieved that the final solution is made based on a sustainable, long-term optimization of supply operation for the benefit of both consumers and the supply's staff.

The objective is to obtain a final solution based on a sustainable long-term optimisation of waste water operation to benefit both customers and the wastewater operational staff.



value

When working with us, you can expect focus on delivering you a solution that adds value to the plant



ECONOMY

SCREENS FOR OVERFLOW STRUCTURES

- Save man-hours on cleaning screens
- Save on emission costs



ENVIRONMENT

- Less screen material released into the surroundings



CSR

- Easy maintenance
- Functional to work with

Join Stjernholm A/S to reduce pollution from overflow structures and find sustainable solutions!

ADVICES FOR TENDERS

Tenders on machine equipment should always be prepared as a pre-commercial procurement.

Those invited should have the opportunity to inspect the plant and discuss the installation before the documents for the tender are finalized.

In addition, the bidders should have the opportunity to present and review their offers to the contractor and the adviser before the order is finally placed.

The offers should be considered with great emphasis on the areas mentioned on the next page under the section: "Let's Talk Facts". When you work with us, you can expect us to focus on delivering you a solution that adds value to the wastewater plant.

Screens for overflow structures **“LET’S TALK FACTS”**

Stjernholm A/S manufactures and supplies two different types of screens for building into overflow structures: the patented hydraulic-driven vertical screen, type VR, and the motor-driven screen, type RO.

Both types are designed for optimal retention of screen material, which is then led off to the WWTP.

Discharge of screen material to the recipient is minimised, sparing the environment and reducing emission charges.

Which type of screen is best depends on local factors such as the type of structure and the nature of the screen material.



The VR screen is cleaned hydraulically, and consists of a number of parallel horizontal screen bars; every alternate bar is movable. The screen is available with 4.5 mm or 10 mm screen spacing, which under normal operation will ensure retention of 90% of the screen material.

The RO screen is cleaned by an auger with brushes. Here the screen material is retained inside the screen by means of a perforated plate. It is available in three different dimensions and can be supplied with capacity as high as 1200 litres per second.

SCHEDULE FOR COMPARISON WITH OWN REQUIREMENTS OR OTHER OTHER SCREENS

FACTS	VR SCREEN
Lifetime	10 - 15 years
Materials	Standard AISI 304
Screen spacing	Between 5/32 - 3/8 inch
Retention	Up to 90% of the screen material
Capacity	13 - 1320 gal/sec.
Control	Local control cabinet
Installation	Withstands full submersion

FACTS	RO SCREEN
Lifetime	10 - 15 years
Materials	Standard AISI 304
Perforation	3/64 - 1/2 inch
Retention	Up to 90% of the screen material
Capacity	46 - 105 gal/sec.
Control	Local control cabinet
Installation	Withstands full submersion

The schedule is available for download at www.stjernholm.dk

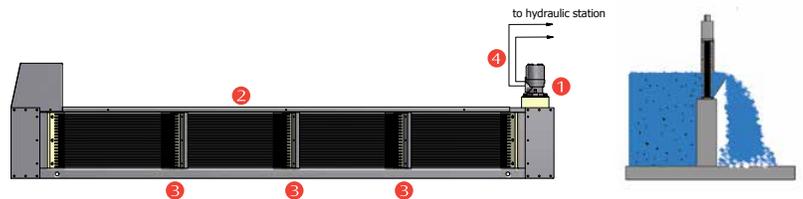
Screens for overflow structures **"LET'S TALK FACTS"**

TECHNICAL DATA:		VR SCREEN		
Effective height:	11 13/16 inch	19 11/16 inch	29 17/32 inch	
Standard length:	118 7/64 inch	118 7/64 inch	118 7/64 inch	
Overflow edge height:	5 29/32 inch	9 27/32 inch	14 49/64 inch	
Total height:	25 inch	32 43/64 inch	42 23/32 inch	
Screen spacing standard:	5/32 inch	5/32 inch	5/32 inch	
Motor, hydraulic station:	4.08 HP	4.08 HP	4.08 HP	
Weight:	550 lb.	900 lb.	1366 lb.	
Unload cap. by vel. of (1 m/s):	47.675 ft ³ /h	55.620 ft ³ /h	67.800 ft ³ /h	
Standard materials:	AISI 304	AISI 304	AISI 304	

TECHNICAL DATA:		RO SCREEN		
MODEL	Ø 300	Ø 550	Ø 700	
Gear motor	0.5 HP	1.5 HP	1.5 HP	
Electricity	230/460V-60Hz	230/460V-60Hz	230/460V-60Hz	
Capacity per section:	approx. 165 gal/h	approx. 305 gal/h	approx. 380 gal/h	
Standard length	40 inches per section	40 inches per section	40 inches per section	
Conveyor diameter	11 13/16 inch	21 21/32 inch	27 9/16 inch	
Standard materials:	AISI 304	AISI 304	AISI 304	

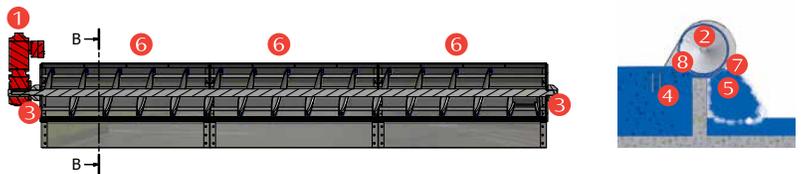
HOW THE STJERNHOLM VR SCREEN WORKS

1. Hydraulic motor
2. Screen bars
3. Rake
4. Hydraulic hoses



HOW THE STJERNHOLM RO SCREEN WORKS

1. Drive gear
2. Screw conveyor
3. Watertight bearing
4. Inlet/outlet
5. Clean water outlet
6. 40 inches section
7. Perforated plate
8. Nylon brush



STJERNHOLM A/S

Stjernholm A/S develops, produces and markets better technical solutions with a high level of sustainability. Under the headline "Cooperation with Value" we focus on areas where we can make a difference within the areas of economy, environment and CSR.

We focus on delivering solutions with proven sustainability and base our way of working on an open and valuable dialogue based on mutual respect both externally and internally.

Stjernholm A/S was founded in 1997 and employs about 30 dedicated and competent employees. We have a healthy economy and we are a recognized and established player in the wastewater treatment market, where we are known for our innovative, future-oriented approach in collaboration with our customers.



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