



Whats New with SSI?

2020 Updates and Product Launches

COVID-19 Update



Remote Staff

SSI is working remotely and has developed systems and processes to make sure we deliver the same level of service you are used to!

Production is running 100%

As of today our factories have no delays and are running as usual. We are implementing additional cleaning protocols and practicing social distancing in situations where work can not be done remotely.

New Product Development.

Innovation is at our core

Our goal is to provide you with a system that runs efficiently and requires less maintenance than you can get anywhere else.

We don't fall into a comfort zone

What drives us to keep coming out with new products and solutions? IT'S YOU! our customers. Whether is improving price points, membrane life, ease of installation, we are always striving to improve the experience for you,

EC SERIES DIFFUSERS

Finding the perfect mix of cost
and quality

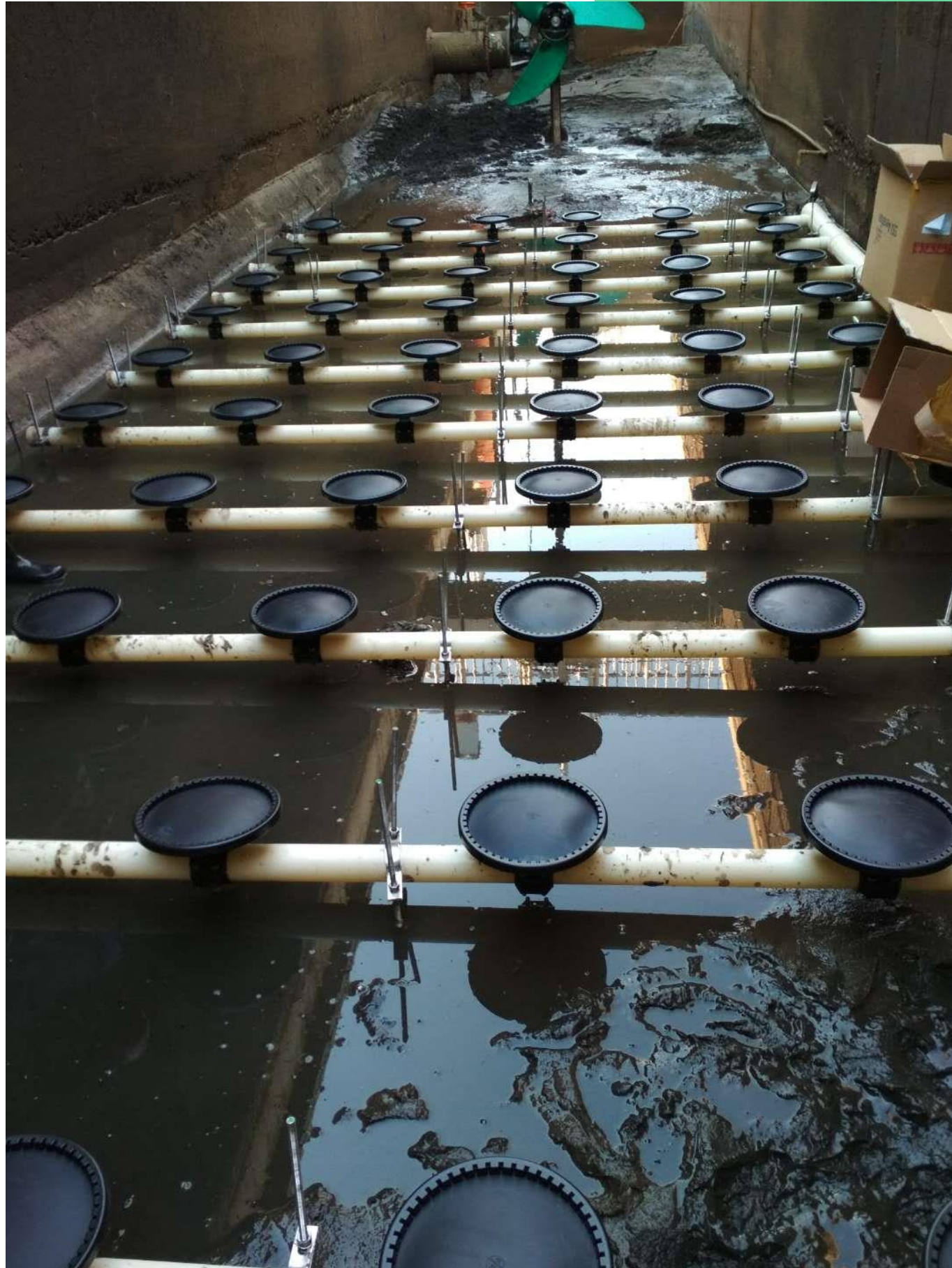


HOW THE EC SERIES WORKS

Each Diffuser uses a single mold during production to save costs which we can pass along to you.

EC diffusers come standard with SSI's EPDM membrane. The same membrane we use on our standard line

Upgraded membrane options available.



Disc or Tube?

EC Diffusers are available in disc or tube options and are compatible with different diffuser mounts.



ECT Tubes

SSI Aeration, Inc.'s ECT70 tube diffusers provide low pressure loss, high oxygen transfer efficiency and ease of installation.

01

Nipple

Connection

02

Saddle

Connection



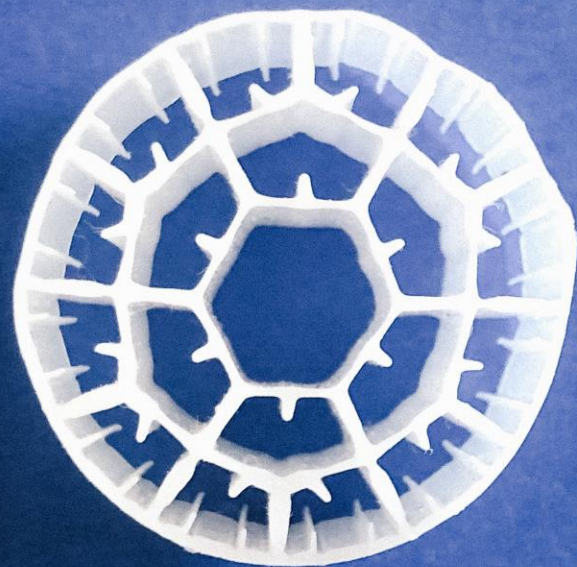
UP AND RUNNING!

SSI's in house media production is now fully up and running.

Our MBBR experts have carefully worked to design our own media to optimize performance when paired with fine bubble aeration.



WHAT MAKES OUR MEDIA DIFFERENT?



- High Quality Virgin HDPE with UV Inhibitor
- Superior Wall Thickness
 - Resiliency Over time
 - Will last 10+ years
- High Specific Gravity
 - Reduces Mixing Requirements
 - Optimal Buoyancy in Fine Bubble Aeration
- Optimal Geometry and Effective Surface Area
Enhanced Treatment Performance

PVC FITTINGS

End Caps

Branches

Unions

Threaded Saddles





01

End Caps

Removable PVC and CPVC end caps allow easy pipe cleaning on site. In house manufacturing has reduced the cost by 3X.



02

Branches

Easy to handle with one person. Increased contact area to make a leak-proof seal. Available in PVC CPVC, imperial, and metric sizes



03

Unions

Designed to be small for shipment, but reinforced for easy field adjustment. Can be installed manually by one person.



04

Threaded Saddles

Threaded connection with easy installation on pipe. Can be used for metric or imperial pipes



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AFD270-1mm DISC FINE BUBBLE DIFFUSED AERATION SYSTEM

Doc # SD00003042
Project : Nim test 04132020
Date : 4-13-2020
Revision # 1

Process Type : AST
Type of Input : BOD
Diffuser Type : AFD270-1mm
Tanks Type: Rectangular

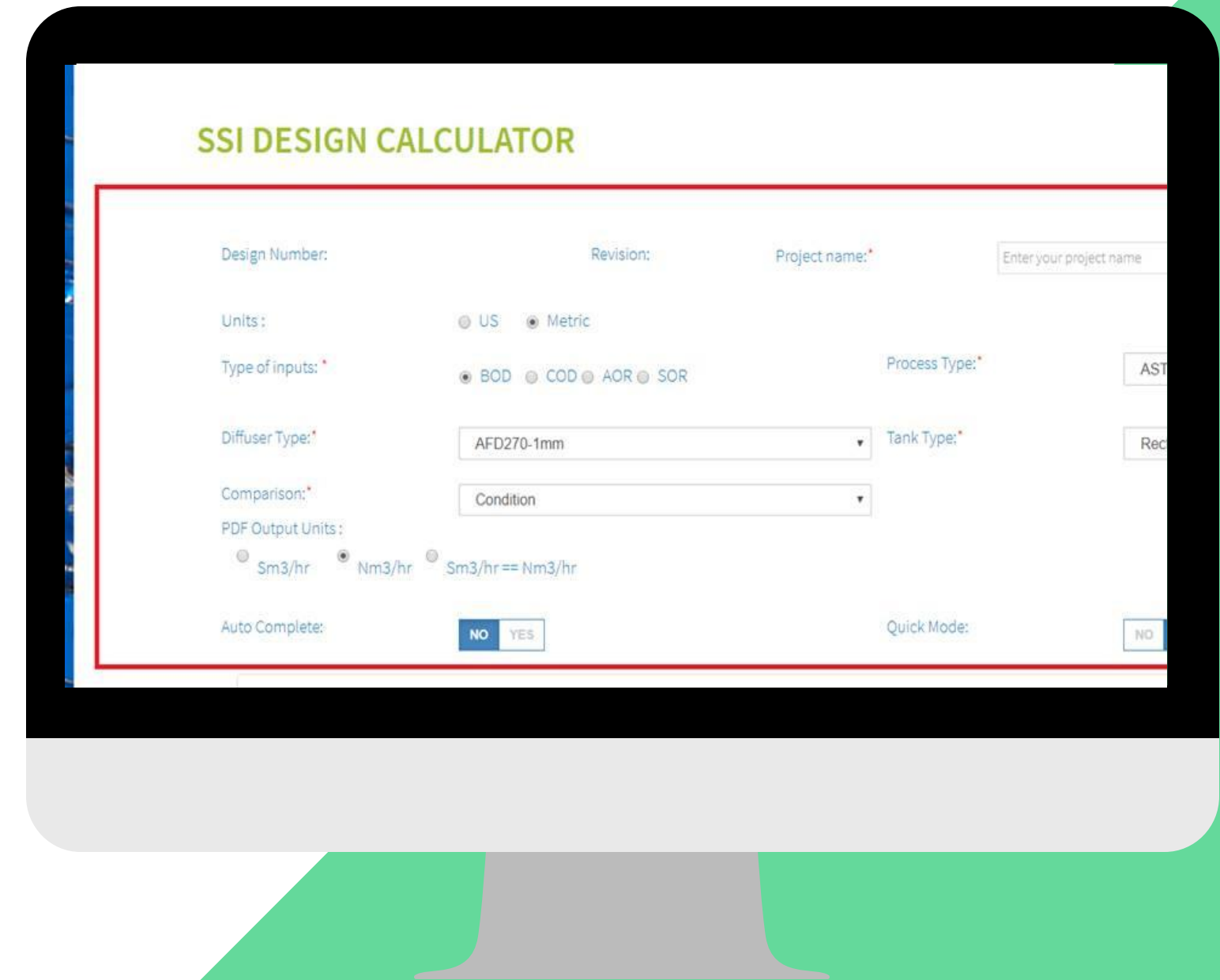
Tank_1	Units	Condition
		Opex
BOD	(mg/l)	300
NH3-N	(mg/l)	30
Wastewater Flow	(m3/day)	3,000
Liquid Temperature	(°C)	20
Site Elevation	(m)	10
Tank_1 Length	(m)	20
Tank_1 Width	(m)	10
Diffuser Water Depth	(m)	4.7
SOR	(kg O₂/hr)	118.53
Total Airflow	(Nm³/hr)	1,118
Airflow Per Diffuser	(Nm³/hr)	1.61
Diffuser Quantity	(pcs)	694
Diffuser Density	(%)	13.19
SOTE	(%/m)	7.57
Total SOTE	(%)	35.37
Blower Pressure	(mbar)	570
Pressure @ Top Of Dropleg	(mbar)	513

Aeration Design Software

New Upgraded Aeration Design Software in Development

Create Customizable Proposals including budgetary pricing and single line drawings

- More detail on the design sheet output
- More design options and scenarios to give you a more accurate output
- Ability to compare different diffuser options on one page
- Disc and Tube options available in both circular and rectangular layouts
- Proposal and curves can be downloaded together



WHAT'S DIFFERENT?

Package Plant Design Software

Get a technical proposal within 60 seconds of submitting!

Input site requirements and currency and our software will tell you which of our package plant products is right for you and how many you need.



WEBINARS COMING SOON



MBBR Webinar



[Lunch and Learn](#)
1:1 Training with our US
reps



Translated Spanish Editions
of our Webinars

THANKS FOR JOINING US!

Have a question for us?

Raise your hand or use the chat box now! Or
reach out to us using the email address below:

INFO@SSIAERATION.COM

