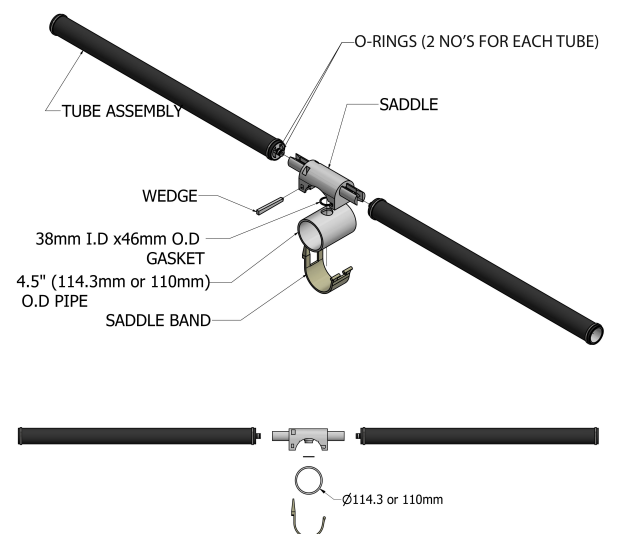
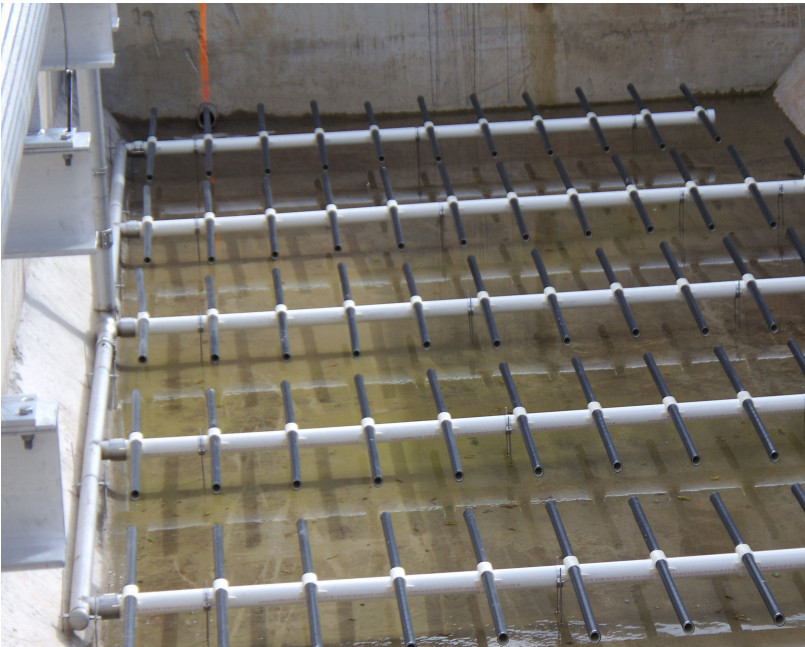
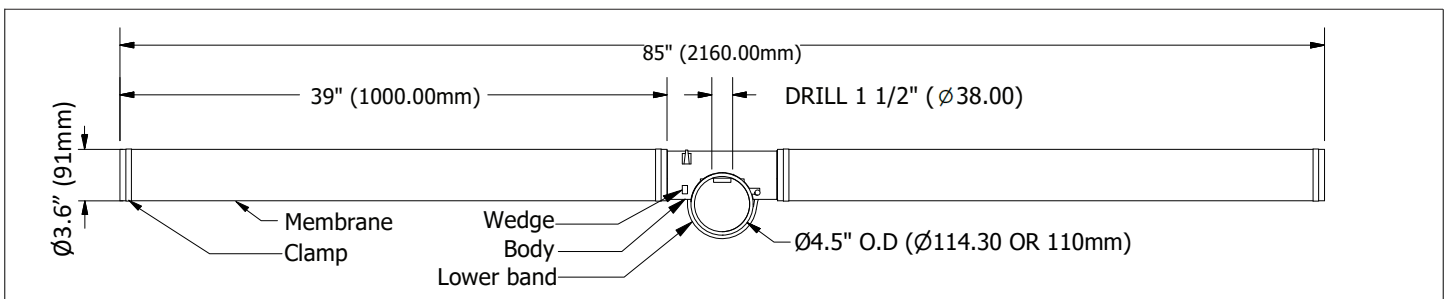


What Makes the SSI AFT-S31000PF Tube Diffusers a World wide Choice?

AFT-S31000PF model Tube diffusers are designed for ease of installation and maintenance with tubes that can be replaced without removing the saddle. SSI Tubes offer high oxygen transfer efficiency, low pressure loss, and a simple installation. Available in a wide variety of advanced membrane materials our diffusers are suitable for both municipal and industrial applications.



Unique System Strengths

Complete product line – creating the system that fits your needs

SSI manufactures disc diffusers, tube diffusers and coarse bubble diffusers, and we mount these products on a wide range of piping materials including PVC, CPVC, PP and Stainless Steel. Our diffusers can be installed to the pipe using a variety of connection methods, or ship pre-installed from the factory saving you time and labor on site. Our team can help determine what products are best suited for your needs and budget.

Piping system integrity – thicker wall pipe and double anchors for fewer breakages

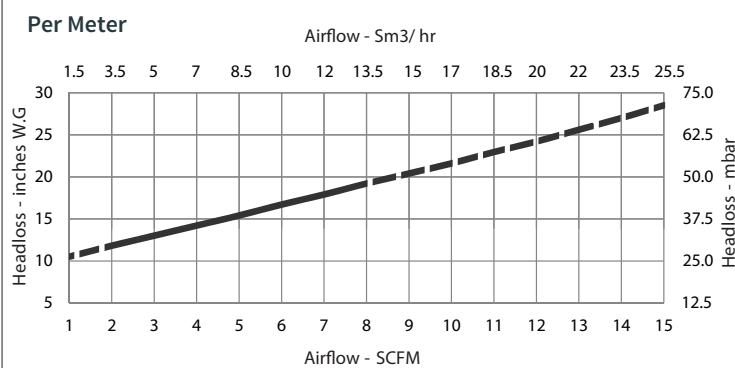
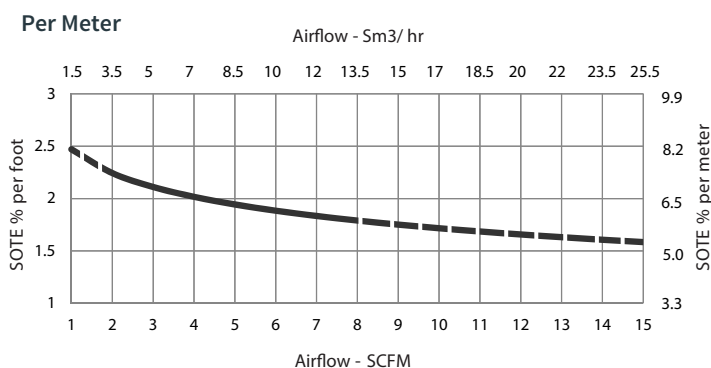
Our piping is 38% thicker and has double rod support stands as standard – two anchors for each support location means twice the resistance to hydraulic and thermal loads. Most often supports fail due to temperature and water velocity. SSI locates two anchors where support is needed most, helping to increase product longevity.

Comprehensive design service and after sales support

SSI provides full design services, including biological and mixing calculations, process simulations and hydraulic studies. We maintain a full drafting department with 3D and animation capabilities and we can assist with specifications and CAD drawings. Our service and installation crew can hold your hand during the early stages of the project and our worldwide multilingual staff is dedicated to

Avg Operating Condition per Meter	Peak Air Flow per Meter	Orifice Size	Slit Qty per Meter	Active Surface Area per Meter	Weight per Diffuser AFT-S31000PF
1.75 - 8.0 SCFM 3.0 - 14.0 Sm ³ /hr	15.0 SCFM 25.0 Sm ³ /hr	+/-1/2" 12mm (4 Orifices)	+/- 45,200	2.375 ft ² 0.22 m ²	10 lbs 4.5 kg

Operating diffusers distant to average operating conditions range might leads to poor uniform distribution and subjected to rapid fouling.



Above curves are generated based on ideal condition. Actual curves for specified project/condition to be provided upon request.

Intelligent Upgrade Options

Patented membranes prolong efficiency and reduce whole-life costs

SSI's patented and advanced membrane materials not only reduce plasticizer extraction, shrinking, and membrane hardening but also limit dynamic changes that can result from swell, such as creep. Compared with uncoated products that are more susceptible to increases in DWP due to more aggressive fouling and changes in physical properties and weight, the advanced coated membranes improve consistency of DWP (Headloss) values over the product life. This directly impacts long-term power costs and the ability of the system to distribute air uniformly across the tank floor.

Proven experience and track record

SSI is a global leader in the design and manufacture of aeration technology and biofilm processes for wastewater treatment. Our team of experts have decades of experience designing and optimizing systems for plants around the globe. With a strong focus on R&D we have launched innovative products that can withstand even the most aggressive applications. Our on-staff team of aeration and process experts are available to help you design an aeration system suited to your needs and budget.