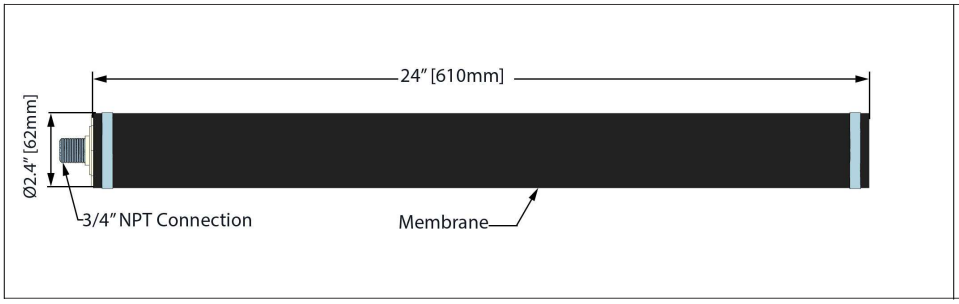
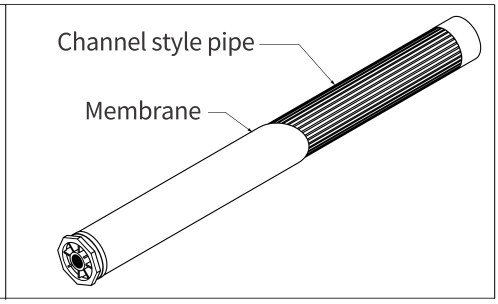
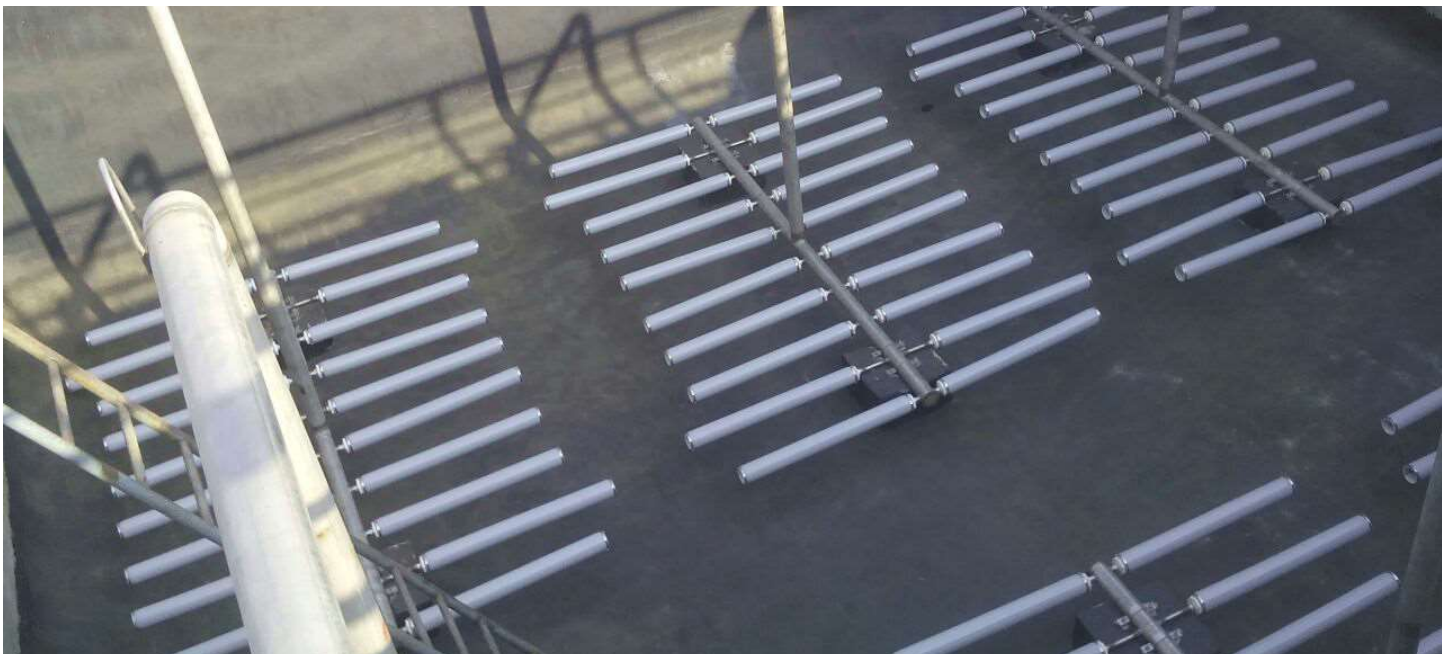
SSI Aeration
SMART IDEAS FOR WATER

What Makes the
SSI AFT-N2610-2 Tube Diffusers
a world wide choice ?

SSI Tube Diffusers are designed to offer high oxygen transfer efficiency, low pressure loss, and a simple installation. Our tube diffusers are available with a variety of membrane materials including our patented PTFE membranes designed to use less energy and require minimal maintanance. The one-piece light weight but strong ABS body with PVC support pipes makes handling during installation very easy. SSI Tube Diffusers are built on channel pipe or round pipe by request. Channel pipes allow for a uniform bubble pattern the whole length of the diffuser whereas a round pipe, the membrane has a tendancy to stick when inflated. The membrane fits snugly along the channel pipe making the membrane resistant to flexure tears along the perforation lines.







SSI Aeration

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AFT-N2610-2 Tube Diffuser

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. We have the ability to attach diffusers to pipe using saddles, grommets, or pre-assembled PODS. We can provide retrievable systems or fixed grids, and systems in kit form or mostly factory assembled. We try to understand and anticipate your needs, and fit our recommendations to your situation.

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

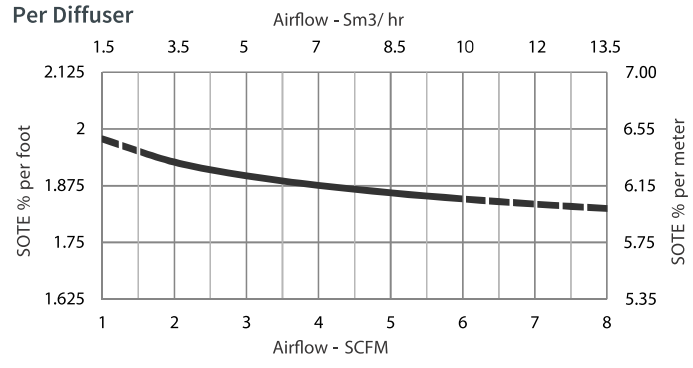
Our piping is 38% thicker and has double rod support stands as standard – two anchors for each support location means twice the resistance to hydraulic and thermal loads. Most often supports fail due to temperature and water velocity. SSI locates two anchors where support is needed most, helping to increase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

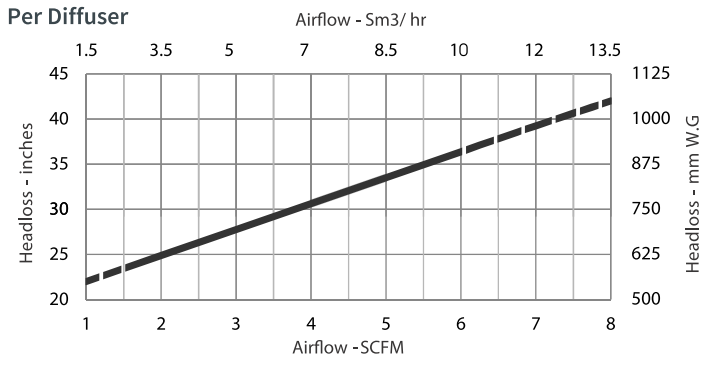
Comprehensive design service and after sales support

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 your complete satisfaction.

Avg Operating Condition per Diffuser	Peak Air Flow per Diffuser	Orifice Size	Slit Qty per Meter	Active Surface Area per Diffuser	Weight per Diffuser AFT-N-2610-2
1.5 - 6.0 SCFM 2.5 - 10.0 Sm^3/hr	8.0 SCFM 14.0 Sm^3/hr	12mm	+/-16,500	1.0 ft^2 0.093 m^2	1.85 lbs 0.83 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 PTFE membranes prolong efficiency and reduce whole-life costs

SSI's patented PTFE membrane barrier properties 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 PTFE coated membrane improves 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.

SSI Telemetry – the inside story solves maintenance problems

At the click of a mouse, you will know the DWP of your diffuser membranes, airflow rate to those monitored diffusers, and air temperature in the submerged piping system. You can sense vibration, pipe roll over, and water in the grid. Automatic moisture purging and automatic acid dosing systems are available. Through multiple cameras, you can see both inside the grids, and surface bubble patterns. Wet probes are also available for DO and WW temperature. Tracking all this data on a user-friendly online dashboard facilitates communication between consultant and client, manufacturer and rep. This smart technology lets you locate problem areas