

Turbiti Nanobubble Mixer Box System Enhanced Aeration Technology



Easy to Install

Chemical free oxygenation solutions

Connect to many standard pumps - no specific connection requirements

Saltwater version for ocean and saltwater situations

Aeration of lakes and ponds to remove algae contamination

The Turbiti ultrafine bubble generator is a first-class workhorse bubble generator that can be placed in difficult environments. The Turbiti has no moving parts so maintenance is minimal. It comes in a stainless-steel box with standard durable male connectors for the water connections. The gas connection is a standard push to connect fitting. The gas connection is protected with a high-quality one-way valve which protects your oxygen concentrator and avoids water in your gas hose. The Turbiti can handle water with particles up to 2 mm.

This nanobubble mixers is based on the principle of a static mixer and produces ultrafine bubbles according the rotational flow concept. One of the main benefits of this mixer is the low head required for the nanobubble generation. A low head means that much less energy is required compared to the high head ultrafine bubble generators which require often 5 times more pressure.

Available in two models with one designed for saltwater applications.

Well suited for water treatment applications, healthy drinking water treatment for livestock i.e. chicken, cattle, pigs, and poultry

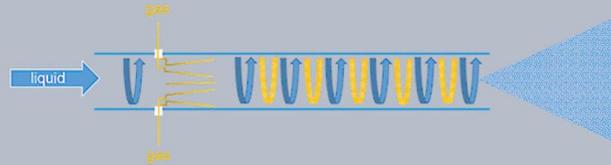
Ideal as a nanobubble aeration mixer for use in horticulture greenhouse production cultivating products such as tomatoes, bell peppers, carnations, roses, lettuce, strawberries and similar.

Saltwater applications include aeration for prawns (shrimps) and salmon cultivation

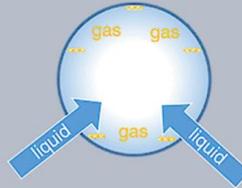
Use in combination with the Solari Oxygen Concentration Unit for high oxygenation, peace of mind and long-life bubble generation

Suitable for a wide range of other applications where mixing is required by bubble action without high evaporation requirements and for injection of other gases such as nitrogen, CO₂, ozone etc

side view turbiti static mixer with swirl flow technology



front view turbiti static mixer with swirl flow technology



Product Data Sheet

Model Name and Number Turbiti 737 nanobubble mixer Solari turbiti_box_737-O2_SUS304		
Minimum Flow/minute	100 litres	26 Gallons
Maximum Flow/minute	200 litres	53 Gallons
Minimum Flow/hour	6,000 litres	1,585 Gallons
Maximum Flow/hour	12,000 litres	3,170 Gallons
Strainer Availability and Size	Strainer required when particles over 2mm Contact for recommended strainer	
Maximum Water Temperature	40°Celsius	104° Fahrenheit
Minimum Ambient Temperature	-20° Celsius	-4° Fahrenheit
Maximum Ambient Temperature	50°Celsius	122°Fahrenheit
Maximum Relative Humidity	100%	
Gas Flow/minute	8 Litres	2.1 Gallons
Gas Flow/hour	480 Litres	127 Gallons
Minimum Pressure	40 kPa	6 PSI
Maximum Pressure	65 kPa	9 PSI
Note: pressures are recommended for bubble generation. The product itself can withstand pressures up to 500 kPa		
Gases Available	Air, Ozone, Nitrogen, Carbon Dioxide No corrosive gases	
Power Consumption	No pump included. Estimated power consumption 750-1000 watts.	
Pump Option	Grundfos CM10-1 or similar	
Wetted parts	nylon based resins, PVC, EPDM rubber	
Inlet Connection	rigid 2" male coupling	
Water Outlet	rigid 1" male coupling	
Gas Inlet	10mm push to connect fitting	
Dimensions WxDxH	405x100x130 mm	15.9x3.9x5.1 inch
Weight	2.8 Kg	6.2 lbs
Shipping Dimensions	50 x 36 x 20 cm	20 x 14 x 8 inch
Shipping Weight	5 Kg	11 lbs
HS Code	8479.82.0040	