

Solari Submersible Ultrafine Bubble Generator

nanobubble generator

ENHANCED AERATION TECHNOLOGY



- ✓ Clean Tech - Chemical free cleaning solutions
- ✓ Pond remediation
- ✓ Aeration of irrigation tanks for production of tomato, cucumber, peppers, carnations, chrysanthemum and roses.
- ✓ Aquaculture, Agriculture and horticulture
- ✓ For aeration of lakes with algae contamination
- ✓ Easy to install, compact design, small footprint
- ✓ Efficient gas dissolution

The Solari submersible ultrafine bubble mixing unit is a complete submersible unit with the low-pressure mixing valve technique that effectively and efficiently saturates liquids with gases over 5 times the levels of conventional technologies. The UFB mixer produces fine bubbles that maximize water contact with the introduced gas producing a liquid highly saturated with suspended gas bubbles. With the UFB mixer, not only less gas is required to achieve optimum saturation levels, but once desired levels are achieved, the liquid maintains its saturation for extended periods of time. There is no need for pressurized tanks or high-pressure cylinders to keep the gases in solution.

The submersible unit consists of an UFB mixer combined with a pump, in a special Stainless-steel SUS 316L enclosure. The submersible unit can be equipped with a variety of pumps and two different sizes of UFB mixers, this makes the unit suitable for many applications: Clean Tech - Chemical free cleaning solutions, Pond remediation, Agriculture and Horticulture & Aquaculture.

THE SUBMERSIBLE UNIT FEATURES

- ✓ Compact design, small footprint
- ✓ Easy to connect and position in existing installations.
- ✓ Efficient gas dissolution
- ✓ Works in combination with a range of submersible pumps
- ✓ Flexible systems design possible

CONTACT INFORMATION

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Solari Submersible UFB Generator

SO-727-O2-SU 316 SS Generator

Model Name: Solari Submersible 737 UFB Generator

Model Number: SO-727-O2-SU-316SS

Liquid	Metric	Imperial	
Minimum Flow Rate per Minute/Litres /Gallons	125L	33Gal	
Maximum Flow Rate per Minute/Litres /Gallons	200L	46Gal	
Minimum Flow Rate per Hour/Litres /Gallons	7500L	1981Gal	
Maximum Flow Rate per Hour/Litres /Gallons	12000L	2536Gal	
Maximum Water Temperature Celsius /Fahrenheit	40C	104F	
Ambient	Metric	Imperial	
Minimum Ambient Temperature Celsius/ Fahrenheit	Minus 20C	Minus 4F	
Maximum Ambient Temperature Celsius/Fahrenheit	50C	122F	
Maximum Relative Humidity	100%	100%	
Gas	Metric	Imperial	
Flow Rate per Minute/Litres /Gallons	8L	2Gal	
Flow Rate per Hour/Litres /Gallons	480L	127Gal	
Minimum Pressure Celsius / PSI	40kPa	6 PSI	
Maximum Pressure Celsius / PSI	65kPa	9 PSI	
Gas Quality	No Corrosive <u>Gases</u> <u>Use</u> Ambient Air, O2, CO2 or N2		
Electrical			
Unit Phase Ø Voltage	1 Ø 115 or 220 VAC		
Unit Power Consumption kW	480watts based on recommended pump		
Wetted Parts	SUS316L; PVC; Nylon		
Pump Suction Method	Submersible Pump		
Control	No Control		
Recommended Pumps			
- Water Treatment Tsurumi 50PN2.75	- Water Treatment Tsurumi HS2.4S		
- Agriculture Horticulture Tsurumi LB 480	- Water Treatment Tsurumi HSD2.55S		
- Agriculture Horticulture Tsurumi LB 800	- Aquaculture Seawater Tsurumi 50TM2.75		
- DAB Leader FEKA BVP			
Connections			
Water Treatment Tsurumi HS2.4S			
Water Inlet	Submersible Pump Inlet		
Water Outlet	25mm ~1"		
Gas Inlet	10mm gas hose or 3/8"		
Size and Weight		Metric	Imperial
Dimensions mm W x Dx H		310 x 285 x 890mm	12.2 x 11.2 x 35"
Weight kg / lbs		17.3kg	38.1lbs
HS Code		8419.82.0040	8419.82.0040
Freight Size and Weight		Metric	Imperial
Dimensions mm / inches W x Dx H		35 x 94 x 34mm	14 x 37 x 13"
Weight kg /lbs		25kg	55lbs
Note on Weight Adjustment		Metric	Imperial
Unit + LB480 pump + UFB Manifold		30.5kG	67.3lbs