

Solari Nanobubble Pump Skid

NANOUBBLE GENERATOR



The Solari Nanobubble Pump Skid is the multipurpose ultrafine bubble generator suitable for agriculture, horticulture, fish production and other uses.

The Solari Nanobubble Pump Skid must be combined with an oxygen generator which creates 90% pure oxygen out of air.

Inside the Solari Nanobubble Pump Skid is a low-pressure static mixer with swirl flow technology which creates billions of nano sized bubbles by beating up the gas water mixture.

The Solari Nanobubble Pump Skid is flexible in implementation as it can be used with a wide range of pumps.

THE SKID PUMP FEATURES

- ✓ Easy to implement in existing installations
- ✓ Efficient gas dissolution and nanobubble production
- ✓ Clean Tech – Chemical free cleaning solutions
- ✓ Combined in wastewater treatment systems
- ✓ Systems in use for poultry and livestock drinking water
- ✓ Uses Solari nanobubble production technology
- ✓ Nanobubble production for irrigation ponds for agriculture
- ✓ Currently available in single and 3 phase pumps, 1Ø230 volt, 3Ø230 or 3Ø400 volt

PRODUCT DATA SHEET

Products Data Sheet				
Model Name	Solari Nanobubble 737 Pump Skid		Solari Nanobubble 747 Pump Skid	
Model Number	Solari Pump Skid-737-SUS304		Solari Pump Skid-747-SUS304	
	Metric	Imperial	Metric	Imperial
Minimum Flow Rate/Minute	100 Litres	26 Gallons	350 litres	92 Gallons
Maximum Flow Rate/Minute	200 Litres	53 Gallons	500 Litres	132 Gallons
Minimum Flow Rate/Hour	6,000 Litres	1,585 Gallons	21,000 litres	5,547 Gallons
Maximum Flow Rate/Hour	12,000 Litres	3,170 Gallons	36,000 litres	9,510 Gallons
Minimum Water Temperature	-20° Celsius	-4°Fahrenheit	-20° Celsius	-4°Fahrenheit
Maximum Water Temperature	50° Celsius	122° Fahrenheit	50° Celsius	122° Fahrenheit
Recommended Inlet Strainer	RF 200 Triplex		RF 400 Triplex	
	Metric	Imperial	Metric	Imperial
Minimum Ambient Temperature	-20° Celsius	-4°Fahrenheit	-20° Celsius	-4°Fahrenheit
Maximum Ambient Temperature	50° Celsius	122° Fahrenheit	50° Celsius	122° Fahrenheit
Maximum Relative Humidity	100%		100%	
	Metric	Imperial	Metric	Imperial
Gas Flow/Minute	8 Litres	2.1 Gallons	16 Litres	4.2 Gallons
Gas Flow/Hour	480 Litres	127 Gallons	960 Litres	252 Gallons
Minimum Pressure	40kPa	6 PSI	50kPa	7 PSI
Maximum Pressure	350kPa	51 PSI	300kPa	44 PSI
Gas Quality	Standard product: No corrosive gases. Air, Oxygen, Nitrogen, Carbon Dioxide OK. Oxygen recommended over air			
Gas Remark	Pressures are recommended for bubble generation. The unit itself can withstand pressures of 500kPa			
Oxygen Transfer Rate	0.92kgO2/hr		0.91kgO2/hr	
Ozone Option	Yes. Order for ozone		Yes. Order for ozone	
Pump Option	Supplied with pump		Supplied with pump	
Power Consumption	750-1,000 Watts		1000-2000 Watts	
Wetted parts	Acrylic Styrene Acrylonitrile, PVC, EPDM		Acrylic Styrene Acrylonitrile, PVC, EPDM	
Inlet Connection	50mm Threaded Connection	2" Threaded Connection	50mm Threaded Connection	2" Threaded Connection
Water Outlet	13mm Threaded Connection	1" Threaded Connection	40mm Threaded Connection	1.5" Threaded Connection
Gas Inlet	10mm push to connect fitting – 6mm ozone		10mm push to fit oxygen – 6mm ozone	
Dimensions WxDxH	405x100x130mm	15.9x3.9x5.1 inch	540mmx166mmx166mm	
Weight	5.6kg	12.3lbs	10kg	22lbs
Shipping Dimensions	500x360x200mm	20x14x8 inch	1100mmx220mmx220mm	
Shipping Weight	7.6kg	15lbs	12kg	26.4lbs
HS Code	8479.82.0040		8479.82.0040	



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