

LOTUS[™] NANOBUBBLE GENERATOR



Lotus Nanobubble Generator Delivers Improved Crop Health, Resilience and Yields for Grow Facilities Under 200 LED Grow Lights



Benefits of Oxygen Nanobubbles

- Increase potency and profitability
- Boost plant vigor and performance from early growth to flushing
- Enhance water quality
- · Promote beneficial bacteria
- Increase nutrient uptake efficiency
- Suppress disease causing pathogens
- · Reduce biofilm and improve irrigation system hygiene
- · Reduce chemical and pesticide applications
- Reduce water use through increased water uptake efficiency
- Improve plant resilience to environmental stressors

Install in Cultivation Operations Treating Less than 1000 Gallons of Water Per Day

Low levels of dissolved oxygen (DO) in irrigation water leads to poor water quality, increased pathogens and sub-optimal plant growth with low crop yields. Increasing DO levels with oxygen nanobubbles promotes healthy root systems and beneficial bacteria growth resulting in improved nutrient uptake efficiency better plant resilience to environmental stressors, increased photosynthetic capacity, and increased water uptake efficiency. These factors produce healthier plant growth, bud development, stacking and increased crop yields.

Nanobubbles also provide added benefits for growers looking to reduce reliance on harmful chemical and pesticide applications by acting as a chemical-free agent to reduce harmful pathogens and biofilms in irrigation systems. Optimize irrigation water to promote improved plant growth and reduced inputs with Moleaer's LotusTM patented nanobubble generator, a highly efficient gas-injection technology that converts bulk oxygen into nanobubbles and supersaturates irrigation water with high levels of DO.

Designed for micro-growers and horticultural enthusiasts looking to enhance irrigation water quality and plant health in grows treating less than 1000 gallons of water per day, the Lotus nanobubble generator is quiet, corrosion resistant and comes with a self-priming, energy efficient pump. Available at 10 GPM flow rate, the Lotus offers easy installation, durable operation, low maintenance, and simple control.

Copyright © 2021 Moleaer. All trademarks stated herein are the property of their respective company. All rights reserved, This document is confidential and contains proprietary information of Moleaer Inc. Neither this document nor any of the information contained herein may be reproduced, redistributed or disclosed under any circumstances without the express written permission of Moleaer Inc. Rev. 01272



The information and data contained herein are deemed to be accurate and reliable and are offered in good faith, but without guarantee of performance. Moleaer assumes no liability for results obtained or damages incurred through the application of the information contained herein. Customer is responsible for determining whether the products and information presented herein are appropriate for the customer's use and for ensuring that customer's workplace and disposal practices are in compliance with applicable laws and other governmental enactments. Specifications subject to change without notice. Copyright © 2020 Moleaer / All trademarks stated herein are the property of their respective company. All rights respective company.

LOTUS US Series

MODELS	LOTUS
LIQUID FLOW CAPACITY (WATER)	
Flow Rate, GPM	10
Maximum Liquid Pressure, PSIG	20
OPERATING PARAMETERS	
Temperature Tolerance, °F	40 - 140
Solids, inches	< 3/8
GAS FEED	
Maximum Oxygen Flow Rate, SLPM	1
Maximum Oxygen Pressure Input, PSI	120
ELECTRICAL POWER	
Voltage	120
Phase	1
Hz	60
Pump Motor Power (HP/kW)	1.5 / 1.12
Starting Amps, A	11.5
Running Amps, A	8.5
PUMP	
Ритр Туре	IPX5/TEFC
Wetted Parts Materials	Polypropylene/Buna
Motor Starter Switch	Start Button (Latching)
UNIT CONNECTIONS	
Unit Inlet, inches	1.5
Unit Discharge, inches	1.5
DIMENSIONS AND WEIGHT	
Height, inches	19
Width, inches	17
Length, inches	27
Weight, Ibs	55
MATERIALS	
Piping	PVC
Enclosure	Powdercoated Steel
Pump	Polypro



The information and data contained herein are deemed to be accurate and reliable and are offered in good faith, but without guarantee of performance. Moleaer assumes no liability for results obtained or damages incurred through the application of the information contained herein. Customer is responsible for determining whether the products and information presented herein are appropriate for the customer's use and for ensuring that customer's workplace and disposal practices are in compliance with applicable laws and other governmental enactments. Specifications subject to change without notice. Copyright © 2020 Moleaer. All trademarks stated herein are the property of their respective company. All rights reserved. This document is confidential and contains proprietary information of Moleaer Inc. Neither this document nor any of the information contained herein may be reproduced, redistributed or disclosed under any circumstances without the express written permission of Moleaer Inc.

Copyright © 2021 Moleaer. All trademarks stated herein are the property of their respective company. All rights reserved. This document is confidential and contains proprietary information of Moleaer Inc. Neither this document nor any of the information contained herein may be reproduced, redistributed or disclosed under any circumstances without the express written permission of Moleaer Inc. Rev. 01272

www.moleaer.com

f 🛅 🖌 🖸 in