MOLEAER
ADVANCING NANOBUBBLE TECHNOLOGY

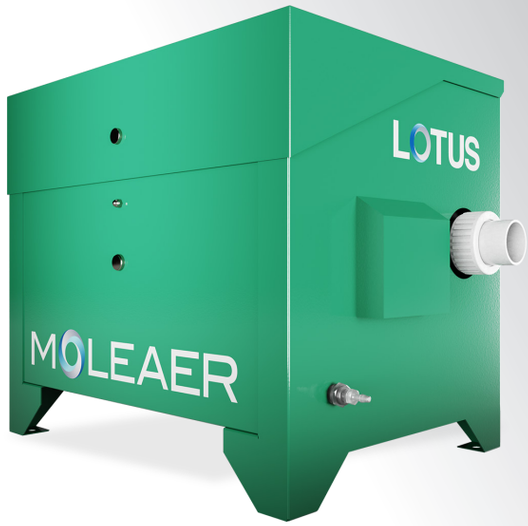
LOTUS

NANOBUBBLE GENERATOR

Improve Crop Health, Resilience & Yields

Optimize irrigation water to promote improved plant growth and reduced inputs with Moleaer's Lotus™ patented nanobubble generator, a highly efficient gas-injection technology that converts bulk oxygen into nanobubbles and supersaturates irrigation water with high levels of dissolved oxygen (DO).

The Lotus is designed for micro-growers and horticultural enthusiasts looking to enhance irrigation water quality and plant health in operations treating less than 1000 gallons of water per day.



Designed for Grow Facilities Under 200 LED Grow Lights

Moleaer's Technology is Trusted by Over 1500 Commercial Facilties Around the World

19" H x 27" L x 17" W | 55 lbs

Features

- 10 GPM flow rate
- Assembled in the USA
- Corrosion-resistant
- Self-priming, energy-efficient pump
- Easy installation & maintenance
- Robust with only two moving parts

Benefits

- Boost plant vigor and performance from early growth to flushing
- 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

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LOTUS - 60 Hz

TECHNICAL SPECIFICATIONS

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	50
ELECTRICAL POWER	
Voltage	120
Phase	1
Hz	60
Pump Motor Power (HP/kW)	1.5 / 1.12
Amps (Standard Household 15 Amp Outlet)	8.5
PUMP	
Pump Type	IPX5/TEFC, Self-Priming
Wetted Parts Materials	Polypropylene/Buna
Motor Starter Switch	Start Button (Latching)
UNIT CONNECTIONS	
Unit Inlet (Union), inches	1.5
Unit Discharge (Union), inches	1.5
DIMENSIONS AND WEIGHT	
Height, inches	19
Width, inches	17
Length, inches	27
Weight, lbs	55
MATERIALS	
Piping	PVC
Enclosure	Powdercoated Steel

*Preliminary Specifications: Specifications are subject to change.
Package Includes: Lotus nanobubble generator, oxygen regulator, gas hose (fittings included), unions, o-rings, clamps and CIP tool.
Supplemental oxygen gas required but not included. For use with oxygen gas only.
Designed for indoor and outdoor use.

LOTUS™

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