



## CLEAR™

### NANOBUBBLE GENERATOR



### APPLICATIONS

- Pond & Lake Treatment
- Horticulture & Irrigation
- Reservoir Treatment
- Algae Habitat Control
- Water Quality Improvement
- Odor Control
- Iron & Manganese Control
- Midge Fly Habitat Control
- Hypolimnetic Aeration
- Sediment Decomposition
- Fish and Ecosystem Health
- Side Stream Oxygenation
- Nutrient Reduction

Moleaer's patented Clear™ nanobubble generator is a chemical-free solution for improving water quality and restoring the natural health of lakes and ponds. The Clear is a hyper-efficient gas-injection technology that uses air to produce a constant, concentrated stream of nanobubbles that provide a continuous source of treatment. Once injected, the nanobubbles distribute throughout the water column and the waterbody effectively delivering oxygen and a mild, oxidative impact even at the sediment layer. Nanobubbles are a sustainable option for increasing dissolved oxygen concentrations, improving water clarity, and overall waterbody health even in shallow or hard to treatment water bodies.

The Clear is available in two sizes that use integrated compressors to supply atmospheric air for demanding treatment applications.

The Clear comes optional with remote equipment monitoring capabilities that enables each system to be monitored by both the user and Moleaer's global team of field service technicians to ensure optimal performance.

### Features & Benefits:

- Highest Oxygen Transfer Efficiency
- Quiet, <65 dB
- 120 nm-sized Bubbles
- >1 Billion Nanobubbles / mL
- Easy to Install & Maintain
- Small Footprint & Lightweight
- Shore Mounted
- Global Remote Monitoring Capability

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 © 2023 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. 050923

# CLEAR EU Series

MODELS	Clear 50	Clear 150
<b>LIQUID FLOW CAPACITY (WATER)</b>		
Flow Rate, m <sup>3</sup> /hr	9 - 12.5	17 - 25
Maximum Liquid Pressure, Bar	1.5	
<b>OPERATING PARAMETERS</b>		
Temperature Tolerance, °C	5 - 60	
Solids, mm	<9.5	
<b>ELECTRICAL POWER</b>		
Voltage	230	230
Phase	1	1
Hz	50	50
Pump Motor Power (kW)	1	3.20
Total Compressor Power (kW)	0.09	0.09
Max Amp Draw	9.7	19.2
<b>PUMP</b>		
Pump Type	TEFC	
Wetted Parts Materials	Polypropylene/316 SS/Buna	
Motor Starter Switch	Start Button (Latching)	
<b>UNIT CONNECTIONS</b>		
Customer Pipe Connection	63	90
Unit Inlet (Slip and Groove), mm	63	90
Unit Discharge (Slip and Groove), mm	63	90
<b>DIMENSIONS AND WEIGHT</b>		
Height, cm	81	
Width, cm	70	
Length, cm	100	
Weight, kg	158	158
<b>OPTIONAL FEATURES</b>		
Remote Monitoring	Global GPS and 4G/3G service	
Dissolved Oxygen Sensor	Optical, 0 - 40 ppm (+/- 1.5 ppm), 30 Second Response Time	
<b>OPTIONAL UPGRADE FEATURES</b>		
Remote Monitoring	Equipment performance sensors included standard, option to upgrade to access real time data and receive notifications	
Dissolved Oxygen	Option to include Dissolved Oxygen (DO) sensor in unit and monitor data 24/7	

Notes: US EPA Establishment Number 94231-CA-1 Intake screen is necessary to prevent clogging.



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 © 2023 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. 050923