

## CLEAR Nanobubble Generator



### APPLICATIONS

- Pond & Lake Aeration
- Irrigation Reservoir Aeration
- Algae & Algae Toxin Control
- Water Clarification
- Odor Control
- Iron & Manganese Control
- Midge Fly Control
- Hypolimnetic Aeration
- Sediment Decomposition

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's hyper-efficient gas-injection technology 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 maintaining overall waterbody health, even in shallow or hard-to-treat water bodies.

The Clear is available in 50 and 150 GPM flow rates that use integrated compressors to supply atmospheric air or optional oxygen enriched-air for more demanding treatment applications. Specifically designed for aquatic management, the Clear is easy to install, operate, and maintain.

### FEATURES & BENEFITS

- 85% standard oxygen transfer efficiency
- Quiet, <65 dB
- 120 nm-sized nanobubbles
- >1 billion nanobubbles / mL
- Easy to install, plug & play
- Low maintenance
- Small footprint & lightweight
- Shore-mounted

### OPTIONS

- Integrated enriched-air generation (doubles oxygen supply)
- Integrated ozone generation
- Remote equipment monitoring

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<b>CLEAR 2.0 US Series</b>				
<b>Models</b>	<b>Clear 50</b>	<b>Clear 50 (230V)</b>	<b>Clear 150</b>	<b>Clear 150 Enriched</b>
<b>Liquid Flow Capacity (water)</b>				
Flow Rate, GPM	50	50	150	150
Maximum Liquid Pressure, PSIG			22	
<b>Operating Parameters</b>				
Temperature Tolerance, °F			40-140	
Solids, inches			< 3/8	
<b>Gas Feed</b>				
Maximum Gas Pressure, PSIG			120	
Indicated Gas Flow Range, CFH			0-20	
<b>Electrical Power</b>				
Voltage	115	230	230	230
Phase			1	
Hz			60	
Total HP	0.9	0.9	3.1	3.4
Total Amp Draw	5.7	2.9	10.2	11
<b>Pump</b>				
Pump Type			TEFC	
Wetted Parts Materials			Polypropylene/316 SS/Buna	
Motor Starter Switch			Start/Stop Latching Switch	
<b>Unit Connections</b>				
Customer Pipe Connection	2	2	3	3
Unit Inlet (Slip and Groove), inches	2	2	3	3
Unit Discharge (Slip and Groove), inches	2	2	3	3
<b>Dimensions and Weight</b>				
Height, inches			29	
Width, inches			38	
Length, inches			38	
Weight, lb	230	230	255	274
<b>Ozone (Optional Feature Offered Only on The 150 GPM Enriched Option)</b>				
Additional Amp Draw	NA	NA	NA	0.4

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

