

## 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 11.4 and 34 m<sup>3</sup>/hr 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
- >One 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

[www.moleaer.com](http://www.moleaer.com)

<b>CLEAR 2.0 EU Series</b>			
<b>Models</b>	<b>Clear 50</b>	<b>Clear 150</b>	<b>Clear 150 Enriched</b>
<b>Liquid Flow Capacity (water)</b>			
Flow Rate, m <sup>3</sup> /hr	11.4	34	34
Maximum Liquid Pressure, Bar		1.5	
<b>Operating Parameters</b>			
Temperature Tolerance, °C		5-60	
Solids, mm		<9.5	
<b>Gas Feed</b>			
Maximum Gas Pressure, Bar		8.5	
Indicated Gas Flow Range, L/min.		0-10	
<b>Electrical Power</b>			
Voltage	230	230	230
Phase	1	1	1
Hz	50	50	50
Total KW	0.7	2.3	2.5
Total Amp Draw	2.9	10.2	11.0
Motor Starter Switch		Start/Stop Latching Switch	
<b>Pump</b>			
Pump Type		TEFC	
Wetted Parts Materials		Polypropylene/316 SS/Buna	
<b>Unit Connections</b>			
Customer Pipe Connection	63	90	90
Unit Inlet (Slip and Groove), mm	63	90	90
Unit Discharge (Slip and Groove), mm	63	90	90
<b>Dimensions and Weight</b>			
Height, cm		72	
Width, cm		94	
Length, cm		94	
Weight, kg	109	117	125
<b>Ozone (Optional Feature Offered Only on The 150 GPM Enriched Option)</b>			
Additional Amp Draw	NA	NA	0.4

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