



FLOATING AERATORS

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Introduction

Clean-Water's Floating Aerators are an advanced, eco-friendly solution designed to enhance water quality and oxygenate waterbodies. These aerators float on the water surface, pumping oxygen into the water to improve dissolved oxygen levels, which supports aquatic life and fosters a healthy ecosystem. Our Floating Aerators are ideal for use in all type of waterbodies like lakes, ponds, and reservoirs as well as rivers and streams, helping to control harmful algae, break down pollutants, and promote biodiversity. Suitable for both urban and rural waterbodies, Clean-Water's Floating Aerators improve the ecological balance of water systems.

Key Features of Clean-Water's Floating Aerators:

- 1. High-Efficiency Oxygenation:** The aerators are engineered to maximize oxygen transfer by dispersing bubbles throughout the water column. This increase in dissolved oxygen supports fish, aquatic plants, and beneficial microorganisms, creating a balanced ecosystem.
- 2. Reduction of Harmful Gases and Pollutants:** By raising oxygen levels, our Floating Aerators reduce harmful gases like ammonia, methane, and hydrogen sulfide, which often contribute to foul odors and poor water quality. This oxygenation accelerates the breakdown of organic pollutants, reducing Biological Oxygen Demand (BOD) and Chemical Oxygen Demand (COD) and enhancing water clarity.
- 3. Enhanced Microbial Activity:** The aerators provide essential oxygen that fuels the growth of aerobic bacteria, which actively break down organic waste, sludge, and nutrients in the water. This process helps to limit the buildup of pollutants and control excess nutrients, preventing algal blooms.
- 4. Self-Sustaining and Low Maintenance:** Clean-Water's Floating Aerators are designed to operate with minimal maintenance, making them cost-effective and easy to manage over long periods. The robust design ensures they are durable, weather-resistant, and capable of withstanding varying water conditions, providing reliable, consistent aeration.

Clean-Water's Floating Aerators offer a powerful, sustainable solution for maintaining water quality and ecosystem health, creating a positive impact on both the environment and surrounding communities.

FLOATING AERATORS (1 HP)



Floating aerators enhance oxygen transfer in water bodies via high-velocity jets, improving water quality and preventing algae blooms. Ideal for lakes, ponds, and treatment facilities, they support aquatic life and ecosystem health.

TECHNICAL SPECIFICATIONS

- **Horse Power:** 1 HP
- **Voltage Range:** 230V (Single Phase)
420V (Three Phase)
- **Frequency Range:** 50 Hz/60 Hz
- **Ampere Range:** 6A (Single Phase)
1.8A (Three Phase)
- **Water Flow Range:** 60-75 feet
- **Oxygen Generation (kg/hr) :** 3 Kg/hr
- **Power Consumption (unit/hr) :** 1 unit
- **Installation Depth (in feet) :** 4 feet from the surface level

Benefits

- Boosts oxygen levels to support healthy aquatic life and enhance water quality.
- Minimizes stratification for uniform temperature and oxygen distribution throughout the water body.
- Prevents harmful algae blooms for a clearer, healthier aquatic environment.



FLOATING AERATORS (2 HP)



Floating aerators enhance oxygen transfer in water bodies via high-velocity jets, improving water quality and preventing algae blooms. Ideal for lakes, ponds, and treatment facilities, they support aquatic life and ecosystem health.

TECHNICAL SPECIFICATIONS

- **Horse Power:** 2 HP
- **Voltage Range:** 230V (Single Phase)
420V (Three Phase)
- **Frequency Range:** 50 Hz/60 Hz
- **Ampere Range:** 11A (Single Phase)
3.3A (Three Phase)
- **Water Flow Range:** 100-110 feet
- **Oxygen Generation (kg/hr) :** 3.8 Kg/hr
- **Power Consumption (unit/hr) :** 1.5-1.8 unit
- **Installation Depth (in feet) :** 5 feet from the surface level

Benefits

- Boosts oxygen levels to support healthy aquatic life and enhance water quality.
- Minimizes stratification for uniform temperature and oxygen distribution throughout the water body.
- Prevents harmful algae blooms for a clearer, healthier aquatic environment.

