

MONSOON™

Horizontal Surface Aerator

Excellent Aeration and Horizontal Mixing

Super high oxygen transfer rates and strong horizontal mixing are produced by this floating paddlewheel aerator. MONSOON aerators produce higher oxygen transfer rates than vertical surface mechanical aerators. The slowly rotating brush rotor efficiently introduces high levels of oxygen into the wastewater with strong raining aeration while maximizing efficiency by using horizontal mixing action. Its wide paddlewheel effectively distributes the energy over the surface while specially shaped blades scoop water into the air with maximum efficiency. Use individually or in groups to develop large overall flow patterns.

The MONSOON Aerator utilizes wastewater industry proven bearings, rotor design and gear drive assemblies, for incredible reliability. Solid, all stainless steel frame includes low level feet to prevent basin and equipment damage if water level drops.

Strong raining aeration and mixing



Typical 15 Hp (11.5 KW) MONSOON

Extensive Applications.

MONSOON Horizontal Surface Aerator improves aeration and mixing in a wide range of applications including:

- Lagoons
- High rate aeration and mixing
- Oxidation ditches
- Equalization basins

Features :

- 100% stainless steel construction for the ultimate in corrosion resistance.
- Integral legs and feet prevent basin and equipment damage if water level drops.
- Extra heavy duty gear reducer provides high design safety factor.
- Foam filled all stainless steel floats will not sink even if punctured.
- Grease lubricated bearings maximize equipment life.
- Field replaceable rotor blades.
- Adjustable power draw.

Installation Flexibility

Use individually, or in groups, to aerate and mix any or all parts of a basin. Position MONSOON aerators to direct mixing at corners, develop flow loops, or direct all flow to one end of a basin. Models available from 2 to 40 Hp (1.5 to 30KW). Float height adjustment allows user to reduce power draw as application permits. Let Fluence recommend the best configuration for your application.

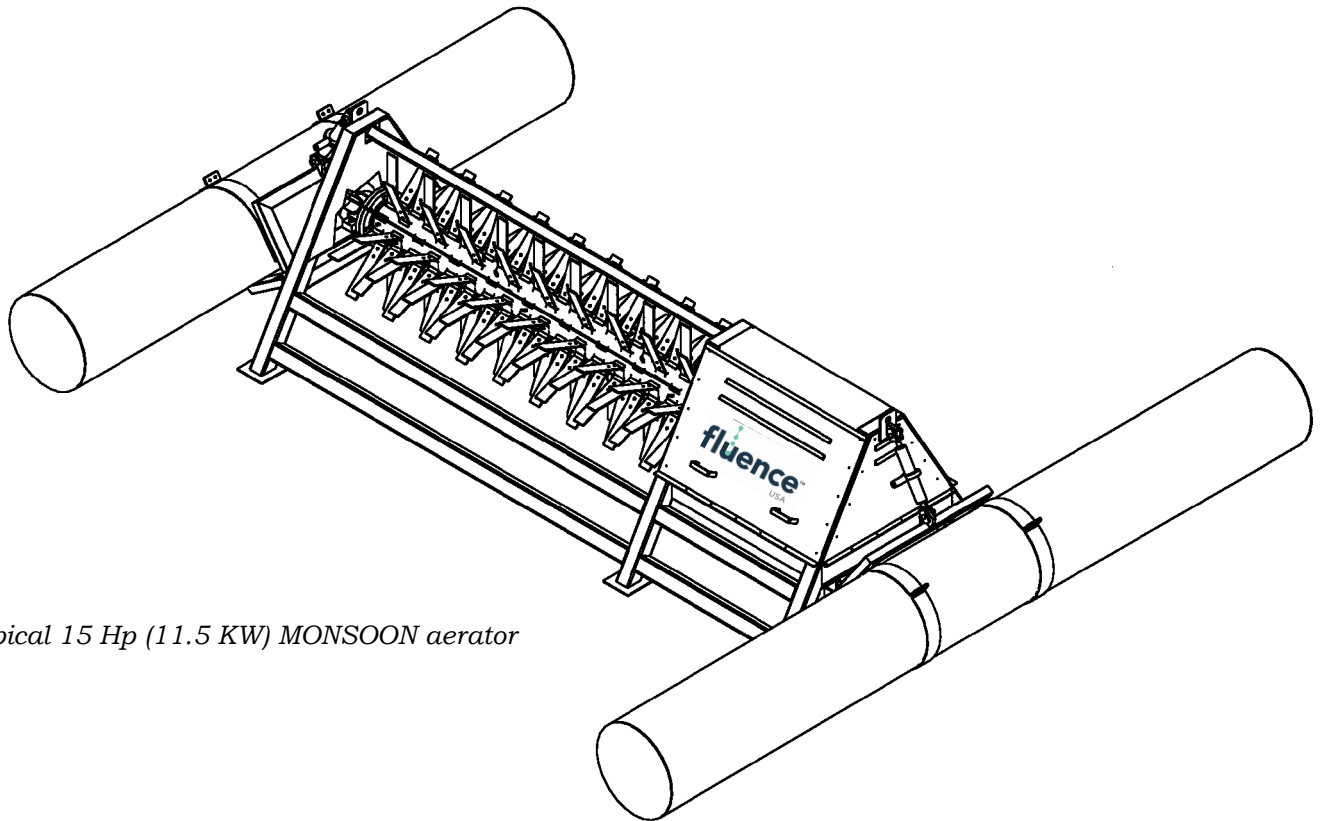
Dependability

Top quality bearings, grit resistant seals, extra large gear reducer and foam filled floats make every MONSOON aerator dependable and reliable.

Precision machined stainless steel replaceable shafts bolt onto torque tube providing exact alignment which maximizes shaft bearing life. Splash shields prevent excess

soaking of bearings, gear reducer and motor assuring trouble free operation.

Factory testing of each MONSOON horizontally mixing surface aerator checks and rechecks that the equipment meets the stringent Fluence standards for quality.



Typical 15 Hp (11.5 KW) MONSOON aerator

Designed for maximum oxygen transfer.

The rotating blades turn at 40 to 80 rpm and slowly, but efficiently scoop water into the air. This scooping and mixing action breaks the water droplets into a fine mist intimately combining it with the air, generating high levels of oxygen transfer. The horizontal pumping action then pushes the highly aerated water out into the basin while drawing water low in dissolved oxygen from deep within the basin and behind the MONSOON aerator, resulting in extremely high basin oxygen transfer conditions.

Ask About The Full Aeration Line.

Fluence manufactures a complete line of specialized aeration and mixing equipment for treating water and wastewater in industrial, municipal and freshwater markets. Call today to learn more about the Fluence aeration solutions best suited for your application.



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Patent Pending**