

S&N BRUSH AERATORS

The worlds best aerator

S&N Airoflo manufacture brush aerators in Mississippi USA. They have installed over 4,000 machines in all types of application including oxidation ponds and waste activated sludge plants. The design has overcome all of the issues which lead to unreliable operation in other brush aerators.

- The rotor has individual blades which are designed for strength and effectiveness in dissolving oxygen and mixing. Traditional cage-type rotors are subject to metal fatigue and damage to the drive train due to impact of the horizontal bars with the water surface.
- **In oxidation pond applications a bearing life up to 15 years has been achieved.** The Water lubricated bearing requires no routine maintenance. The bearing has a large diameter with low surface speed and very long wear life.
- **Drive gear maintenance is limited to 2-yearly oil changes.** The gear unit has a service factor >2.0 and is flexibly-coupled to the electric motor for DOL starting.
- Because of the very low maintenance requirement an **access walkway is not required.** OSH Rules require suitable guarding for this type of machine unless it is 'safe by position' and not able to be accessed by personnel.
- Immersion depth is easily adjusted to allow control of motor power, mixing and oxygen solution rate.
- The S&N design has a high oxygen solution rate of **2kgO₂/kWh** and a pump or mixing rate of >800m³/hr/kW.
- This type of machine has been shown to effectively **control algae on oxidation ponds.**



BRUSH AERATORS

Made in the U.S.A
Sold in New Zealand by **Sindico**



Over 4000 installations
Water- lubricated bearings
High oxygen solution rate
Powerful mixing for large ponds
Floating & fixed 2 to 15kW
Competitive prices

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