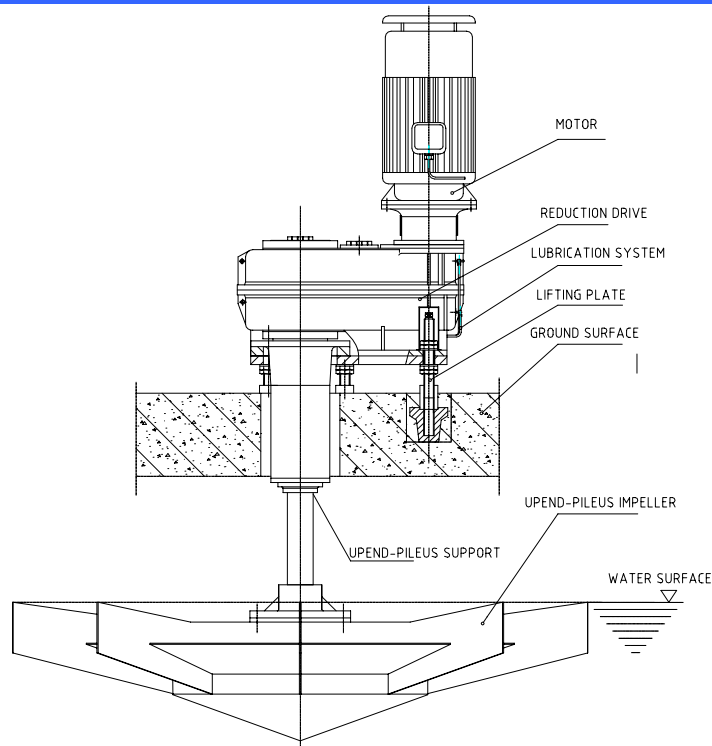


Fixed Surface Aerators

Low Speed AT Series

AT series Fixed Surface Aerators are used widely in municipal/industrial wastewater treatment projects for promoting the oxygen dissolving efficiency and providing sufficient mixing



Features and Benefits

- Aerators are based on rotating action wherein water is acutely stirred in the surface and thrown in a volute trajectory in air leading to fragmentation of water in fine globulates and thus increasing oxygen absorption.
- Aerator is cone type and has curved vanes located in conical skirt facilitating gliding action of water over the curved blades and thus avoiding erosion of blades.
- Aerator speed is between 60 to 100 RPM, which is quite suitable for aeration of biological sludge. Low speeds do not destroy the bio mass in MLSS and facilitates proper oxygen transfer.
- To overcome the torque, gearboxes are selected for reducing the speed.
- Aerator has lifting / lowering facility.
- Aerator cone is dynamically balanced at 300 RPM. Hence you will not have vibration problem at 60 to 100 RPM.



Specification

Type	Impeller Diameter	Impeller Height	Motor Power	Capacity (KgO ₂ /h)	Impeller Lifting	Weight (Kg)
AT120B/C	1200	370	7.5	14.25	± 140	1500
AT165B/C	1200	490	15	28.50		2380
AT225B/C	1200	650	22	44.00		2650
AT255B/C	1200	740	30	60.00		2740
AT285B/C	1200	850	37	77.70	+180 -100	3900
AT300B/C	1200	870	45	94.50		3960
AT325B/C	1200	960	55	115.50		4340

Note: The type suffix "B" means constant speed; "C" means VFD speed regulating.