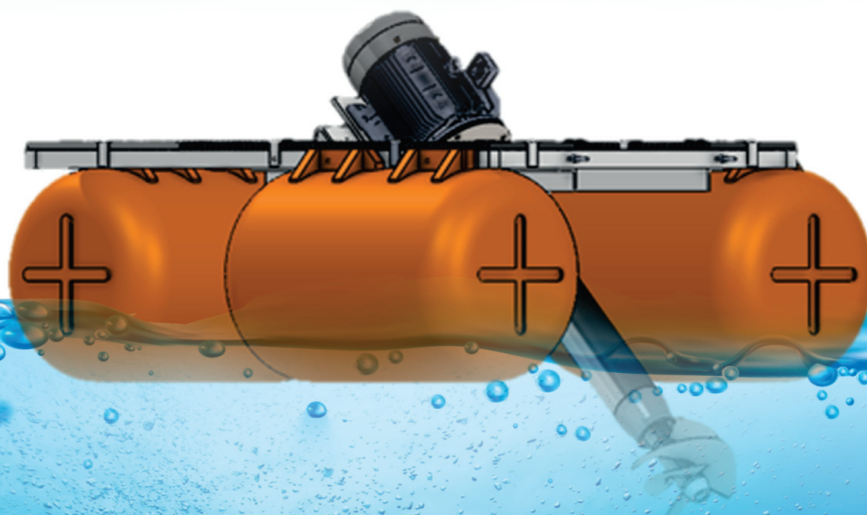




ArCh Enviro®

HIGH PERFORMANCE AND MOST ADVANCED JET ASPIRATION TECHNOLOGY



Cycloxy®

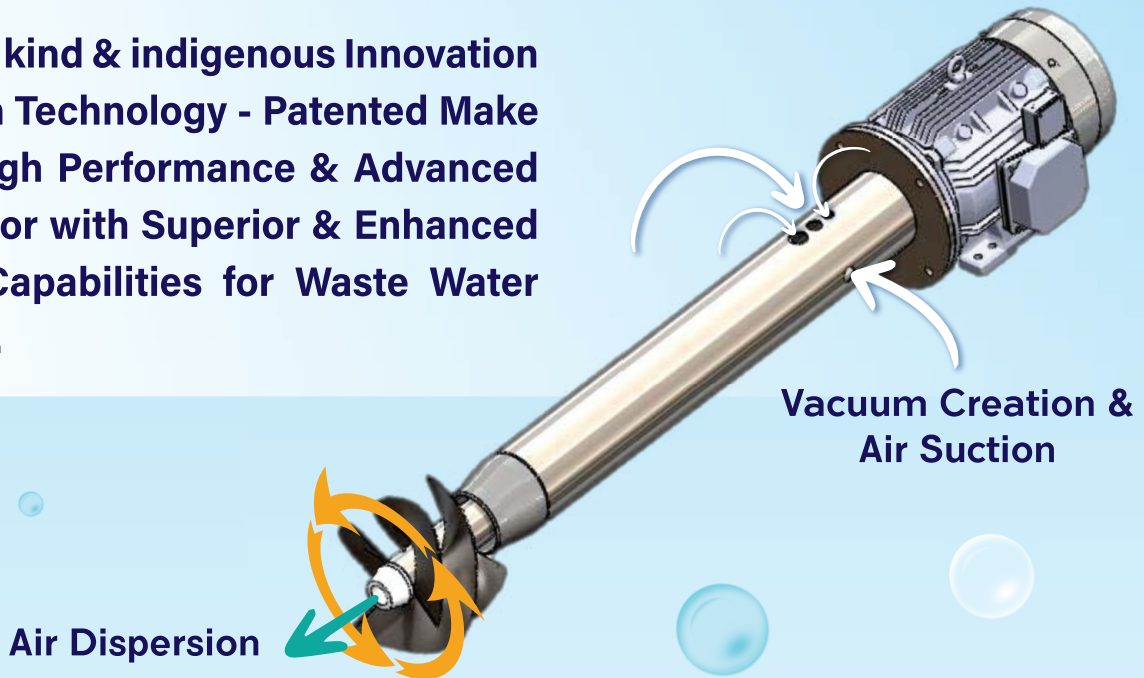


WE ARE THE FIRST COMPANY IN INDIA WHO
HAVE PATENT IN JET AERATION FOR WASTE WATER TREATMENT
WHICH IS INNOVATIVE AND NOVEL TECHNOLOGY IN DESIGN.

"UNIFORM MIXING & HIGH OXYGEN DISPERSION"

Easy...Efficient...Economical...Long Lasting Aeration Solution

First of It's kind & indigenous Innovation in Aeration Technology - Patented Make in India High Performance & Advanced Jet Aspirator with Superior & Enhanced Aeration Capabilities for Waste Water Treatment.



WORKING PHILOSOPHY

State of the Art Indigenously Designed & Manufactured Cycloxy® Jet Aspirator Aerator comprises of high-performance Air Jet Screw, Hollow Shaft Assembly, Housing Assembly & Electric Motor.

It rotates at 1400 rpm & that creates vacuum allowing atmospheric air to be sucked in through Air Intake Ports open to atmosphere & located on the upper side of Aspirator Housing Assembly.

Air travels through Hollow Shaft Assembly towards bottom end of Aspirator assembly which is submerged under water.

The innovatively designed high performance Air Jet Screw pushes the Fine Air Bubbles into the effluent water in forward direction creating powerful mixing and efficient aeration across the span & depth of aeration tank.

The spiral longitudinal and lateral path of fine air bubbles provides optimum hanging time for permitting maximum Oxygen diffusion in effluent water along with superior mixing and high Oxygen Transfer making most efficient aeration and hence maximized degradation of biological / organic load along with maintaining sufficient dissolved Oxygen in aeration tanks.

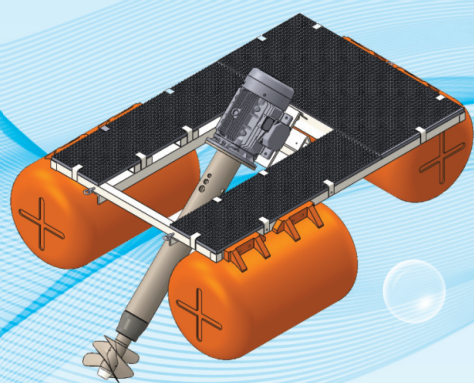


KEY FEATURES

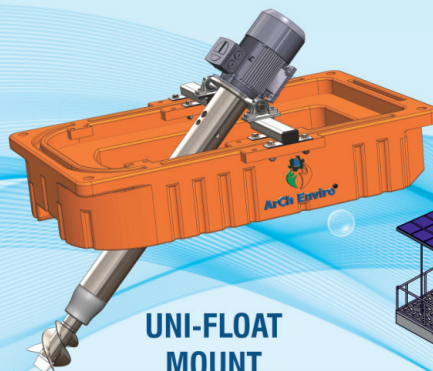
- Optimized Oxygen Transfer Efficiency (1.8 To 2.0 Kg O₂/kw-hour)
- Dual Functionality – Superior Mixing & Efficient Aeration
- It's A Complete Aeration Equipment In Itself
- No Add On Accessories (Blower, Piping Etc.) Required
- Silent Operation (Noise Level <85 Dba)
- No Membranes & Hence No Chocking, Frequent Cleaning & Replacement Of Any Kind Is Required
- Easy And User-friendly Working
- Nominal Maintenance
- Quick And Simplified Multiple Installation Options (Wall, Bridge And Floats)
- Wetted Parts In Stainless Steel 304 / 316
- Mounting Structures In Stainless Steel 304 And 316
- 2 Years Warrantee
- High Buoyancy Superior Quality Floats With Puff Filled



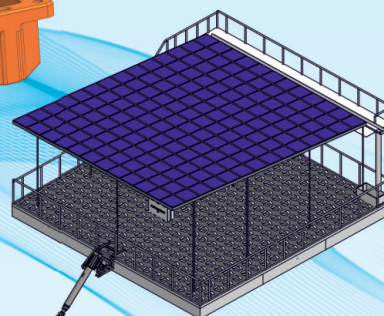
MOUNTING ARRANGEMENT OPTIONS



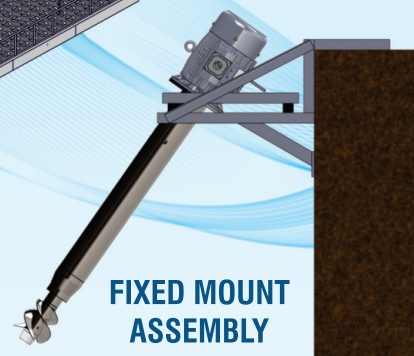
**FLOAT MOUNT
ASSEMBLY**



**UNI-FLOAT
MOUNT**



**SOLAR-BASED
BARGE MOUNT**



**FIXED MOUNT
ASSEMBLY**

CYCLOXY ASPIRATOR MODELS

CyclOxy Aspirator Model	Motor Capacity (HP)	Depth Coverage (Meter) with 45° Inclination	Depth Coverage (Meter) with 60° Inclination
CyclOxy-1	1	2.6	2.9
CyclOxy-2	2	2.8	3.1
CyclOxy-3	3	3.3	3.6
CyclOxy-5	5	3.6	4.0
CyclOxy-7.5	7.5	3.9	4.3
CyclOxy-10	10	4.5	4.9
CyclOxy-15	15	5.0	5.4
CyclOxy-20	20	5.6	6.0
CyclOxy-25	25	6.2	6.6
CyclOxy-30	30	6.6	7.0
CyclOxy-40	40	7.0	7.5
CyclOxy-50	50	8.0	8.5
CyclOxy-60	60	8.5	9.0



ArCh Enviro®

ArCh Enviro Equipment Pvt. Ltd.

Head Office :

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Vadodara - 390022, Gujarat.

Factory :

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TUV NORD

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