



DIVA ENVITEC PVT. LTD.

Wastewater Treatment

**REVIVING
WATER
SUSTAINABLY**

info@aboutfilter.com



www.divaenvitec.com



AQUASEP

Conventional Water Processes

Our AQUASEP process blends the conventional with some latest technologies to make wastewater treatment more efficient and reliable.



AQUASEP Process

Preliminary Treatment

Screening → Grit Removal → Flow Equilisation

Primary Treatment

Sedimentation → Skimming

Secondary Treatment

Biological Treatment → Trickling Filters → Lagoons

Tertiary Treatment

Filtration → Disinfection → Nutrient Removal
↓
Advanced Oxidation Process

Sludge Treatment & Disposal

Thickeining → Stabalization → Dewatering
↓
Final Disposal

Effluent Discharge or Reuse

Effluent Quality Monitoring → Discharge → Reuse

Treated Water

Conventional AQUASEP blends the conventional with some latest technologies to treat Sewage abs Effluent Wastewater in a more efficient and reliable way

AQUASEP PRODUCT RANGE

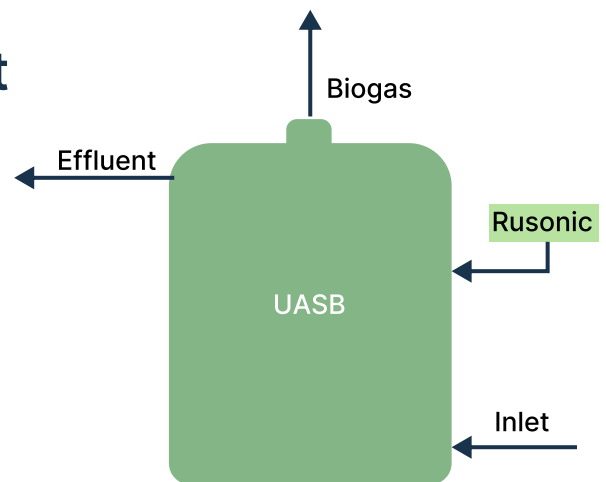
- ◆ CLARIFIER and other Accessories for wastewater treatment facility
- ◆ Different variants of clarifiers and flocculation polymers to take care of the TSS
- ◆ Low Speed Fixed & Floating Cone Type AERATORS: **1 HP TO 150 HP**
- ◆ High Speed FRP Foam filled FLOATING AERATORS: **1 HP TO 150 HP**
- ◆ Cage ROTORS
- ◆ Central Driven CLARIFIERS / REACTOR CLARIFIERS: **2 MT. DIA TO 50 MT. DIA**
- ◆ Peripherally Driven CLARIFIERS: **2 MT. DIA TO 100 MT. DIA**
- ◆ TUBE AND PARALLEL SETTLERS
- ◆ THICKENERS: **2 MT. DIA TO 50 MT. DIA**
- ◆ Central Driven CLARIFLOCCULATORS: **2 MT. DIA TO 50 MT. DIA**
- ◆ Peripherally Driven CLARIFLOCCULATORS: **2 MT. DIA TO 100 MT. DIA**
- ◆ Low & High-Speed AGITATORS: **0.5 HP TO 50 HP**
- ◆ Manual & Automatic SCREENS
- ◆ GRIT PLANTS
- ◆ DIGESTER MIXERS
- ◆ OIL SKIMMERS :- Disc and Traveling Trolley type and DISORB media



Upflow Anaerobic Sludge Blanket (UASB)

Upflow Anaerobic Sludge Blanket (UASB) is a wastewater treatment process that uses anaerobic digestion to convert organic pollutants into biogas.

Ideal for high-strength industrial and municipal wastewater, UASB reactors feature a granular sludge blanket where microorganisms break down organic matter in an oxygen-free environment.



Low Energy
Consumption



High Organic
Loading Capacity



Compact
Design



Biogas
Production



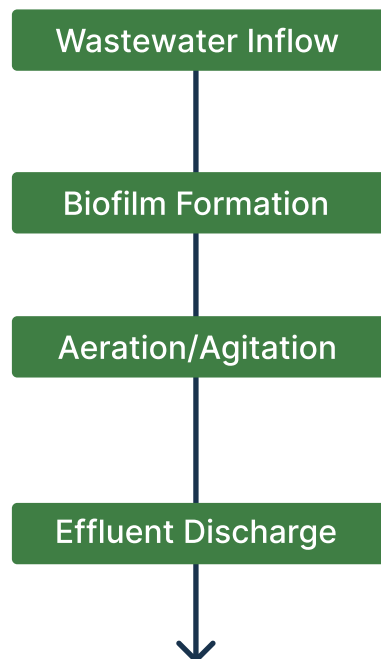
Minimal Sludge
Production



Moving Bed Biofilm Reactor (MBBR)

Moving Bed Biofilm Reactor (MBBR) is an advanced wastewater treatment technology that combines the benefits of both suspended growth and fixed-film systems. It is widely used for treating municipal and industrial wastewater due to its efficiency and flexibility.

Process Operation



High Treatment
Efficiency



Low Maintenance



Compact
Design



Flexibility



Scalability



Technical Specifications

- ◆ Congestion-free influent system
- ◆ COD range of 1,000-150,000 mg/l
- ◆ Unique settling system
- ◆ Able to treat loads from 20 kg up to 5000 kg COD/day
- ◆ Designs available in – GRP, AISI 304/316 and RCC

Effective sewage and municipal wastewater treatment, from preliminary to tertiary stages, ensures the removal of contaminants and prepares water for safe discharge or reuse. This process protects public health and the environment, promoting sustainable wastewater management.

Contact us for expert consultation on implementing these essential treatment processes





REVIVING WATER SUSTAINABLY



info@aboutfilter.com



www.divaenvitec.com



+91 80802 24873



B-236, Oshiwara Industrial Center,
Goregaon(W), Mumbai - 400104,
Maharashtra, India

