



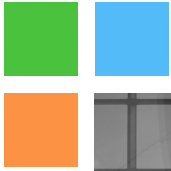
SBS Enviro Aqua Concepts Pvt Ltd.
The One Stop Shop for Waste Management



**A SINCERE APPROACH
TO CLEANER TOMORROW**



ABOUT US



SBSEnviro is leading innovative & high-tech products manufacturer for Water & Wastewater Treatment Industry. *SBSEnviro* is engaged in developed and supplying qualitative range of Water & Wastewater Treatment Equipment's, which is professionally managed by team of experts with over 30 years of hardcore experience in Water and Wastewater Treatment Technology and Solution.

SBS is dedicated to the maintenance of Water and Wastewater Treatment Plant and Equipment. We plan to develop sustainability with the demands of the business and consumer loyalty promoting the world class advances to be made accessible in India.

When we started, we did not want to be known just as another vendor or supplier and rather as a business partner and solutions provider who is interested in understanding correctly the end user requirement and offer a techno-economical value engineered right solution. In this, we have a selfish interest too! – Only if the customers satisfied, we can survive.

MISSION



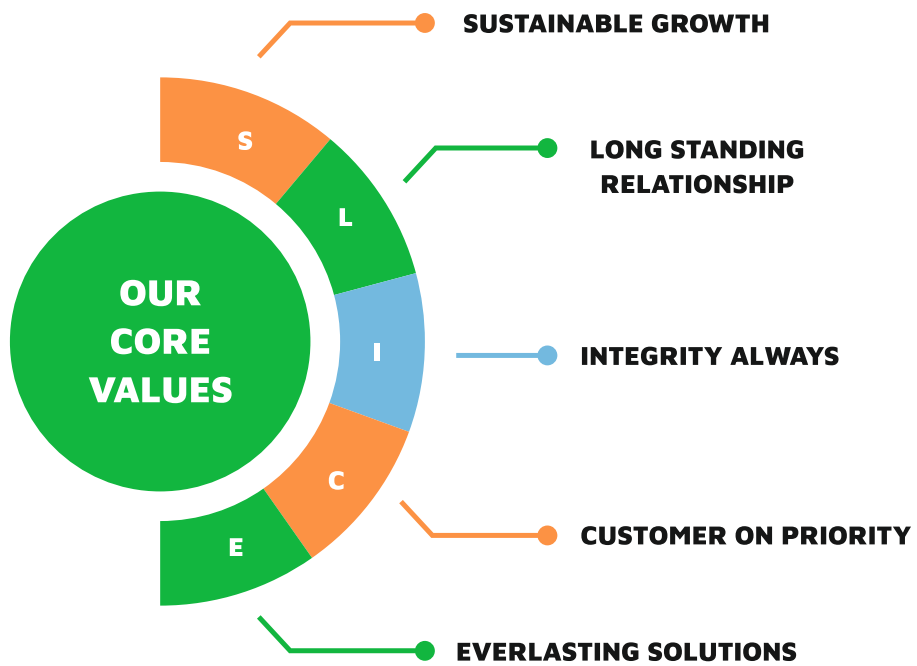
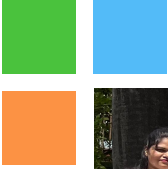
- To design and market onsite Water& Wastewater Treatment systems that focus on simplicity, reliability and achieve unparalleled performance.
- To provide consumers with innovative equipment's for totally natural biological Water & Wastewater Treatment.
- To earn and maintain the trust of our customers by contributing to the protection of public health and environment.

VISION



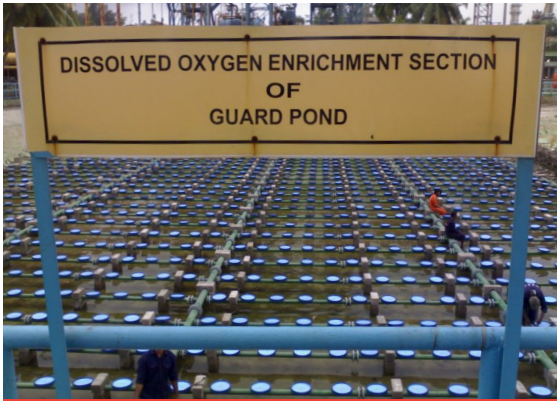
To Supply advance equipment by R & D on new processes, technologies and products. Which meets and exceeds the needs and expectations of our clients by continuously providing them the solutions to reduce their water contamination and life cycle cost of Water and Wastewater/Used Water Treatment.

TEAM SBS



PRODUCTS & TECHNOLOGIES

DIFFUSER AERATION SYSTEM / AIR DIFFUSERS



DISC DIFFUSER

Rehau's Tubular and Disc Diffusers are available with SILICONE and EPDM Membranes. These highly energy-efficient diffusers offer advanced technology that meets the highest International standards.

We offer a comprehensive and complete range of products as well as support to clients in terms of Design, Engineering and Installation. The products have a global reputation for precise engineering, innovative design and dependable performance. They fit a wide range of engineering specifications, system standards, applications, and industries.

FEATURES:

- Fine Bubble Size of less than 1.0 mm.
- Reduced energy consumption due to Higher Oxygen Transfer Efficiencies.
- Higher Energy Savings of up to 30-35% in comparison to Jet Aerators and 50% on Surface Aerators
- Different arrangements of retrievable system



TUBULAR DIFFUSER

GARDNER DENVER BLOWER



Multistage Centrifugal Blower has Superior Quality in Design, Materials and Workmanship. This is the ideal solution for processes that require uniform pressure, pulse free flow and oil free operation. It utilizes advance centrifugal technologies that delivers up to 45% of energy savings.

Turbo Blower consists of a compression unit that compresses air, a blow-off valve that releases air to protect the compression unit during start and stop, an inverter that controls the rotating speed of a high-speed motor through the change of frequencies, a PLC control unit that allows a user to actively operate the product depending on field conditions and an enclosure that fixes all parts and keeps internal noise locked in.

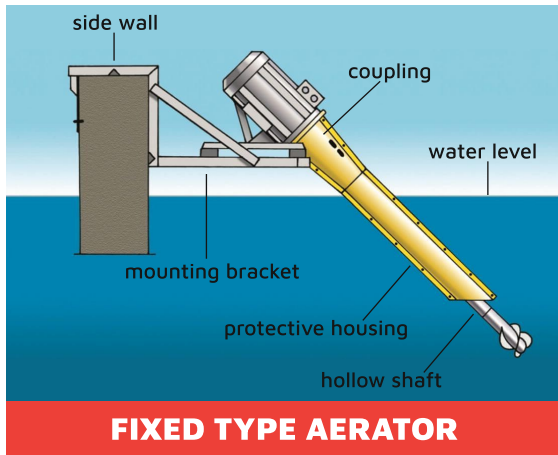
FEATURES:

- Achieves High speed without bull gear
- No Gear Box à hence no lubrication required
- Ensure 100% Oil Free Air at discharge
- Low Noise à Below 85 dB against 90-110 dB of PD blowers
- Enables elimination of oil from machine



PRODUCTS & TECHNOLOGIES

ASPIRATOR TYPE AERATOR (FUCHS)



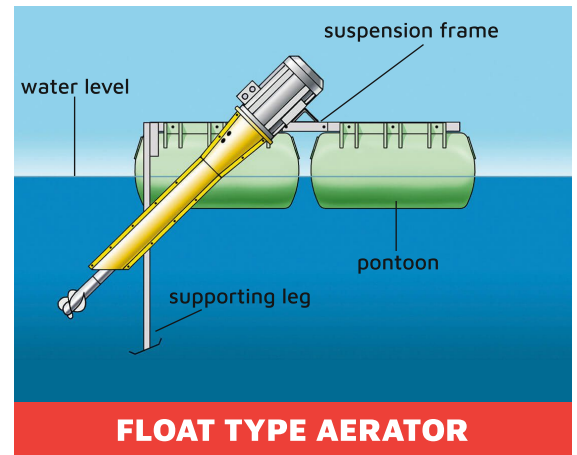
FIXED TYPE AERATOR

Aspirator type Aerator (Fuchs) is one of the finest globally acclaimed product for aeration and mixing of Water/Wastewater renowned for its long- life and maximum efficiency. It is trusted to perform in harsh conditions. By drawing atmospheric air through the hollow shaft and discharging it in to the water stream created by its rotating propeller Fine Bubble Aeration is achieved. It has high installation flexibility for various applications.

The clog-free operation of the propeller gives consistently high performance. All submerged parts are made of top-grade stainless steel and there are no seals or bearings in the submerged parts. FUCHS Aspirator has low noise-level and is easy to operate due to its light weight. It does not have spray-water, so no aerosol formations.

FEATURES:

- Made of AISI 304 or better grade Stainless Steel
- Hollow Shaft
- Clog-resistant Propeller Design
- Dynamically Balanced
- No Motor Shaft Assembly, so no blower required for aspiration
- Highest Aeration Efficiency and Mixing Capability
- Sophisticated design with no immersed seals, bearings or gears, so does not require regular maintenance.



FLOAT TYPE AERATOR

SeVAMI™ DAF (DISSOLVED AIR FLOTATION SYSTEM)

Flotation involves a process of separating oils and solid particles from water phase by attaching the oils and solids to micro air bubbles to decrease the density of the particles so that they float instead of sinking.

Flotation is the ideal process for separation of lesser dense / lighter impurities which includes Oil, Grease, Fats that have a tendency to float to the water surface. Such solids would either sediment very slowly or would remain suspended. The process of rising solids is known as flotation. The float is skimmed off the surface and further processed in the sludge treatment.

FEATURES:

- Simple to operate
- MS,EP or SS 304 construction
- Compact rectangular construction
- Different model available for Primary & Secondary application
- Wide range of flow
- Cost effective
- Ready-to-use assembly
- Excellent Oil/grease/fat removal efficiency



PRODUCTS & TECHNOLOGIES

AMCON VOLUTE: 5TH GENERATION VOLUTE SLUDGE DEWATERING UNIT

Volute is a 24x7 auto-operational and clog-free Japanese Technology 5th Generation Sludge Dewatering Unit. Volute is a highly efficient, easy-to-operate, quick sludge handling machine which can dewater biological and chemical sludge on a wide range of incoming solid concentration from 2000mg/l to 70000mg/l. Volute is available for dry sludge (DS) output of 1.0 kg/hr. to 1250 kg/hr with waste energy consumption of 0.8kwh of energy for 100kg Dry solid output.



FEATURES:

- 5th Generation Sludge Dewatering Mechanism
- Low Noise, Low Vibration
- Low Moisture Content
- Continuous, non-stop operation
- Highly efficient for Oily Sludge and Biological Sludge
- Fully Automatic
- Small Footprint

SmarS™ DRYER

SmarS™ Dryer is a compact to use, and quick sludge drying machine. It offers an international standard once through continuous drying technology for efficient and uniform sludge drying. The moisture content can be reduced from 85% after dewatering to 5% using SmarS™. As the machine consists of rotating, heated spindle, and the dryer works with steam as well as thermic fluid. It is engineered to provide maximum heat transfer area. The uniformity in the product drying is also maintained.

This dryer has the advantages of large processing capacity, fast drying speed, low energy consumption, reduces the production cost, disposal value, manpower and is environmentally friendly.

FEATURES:

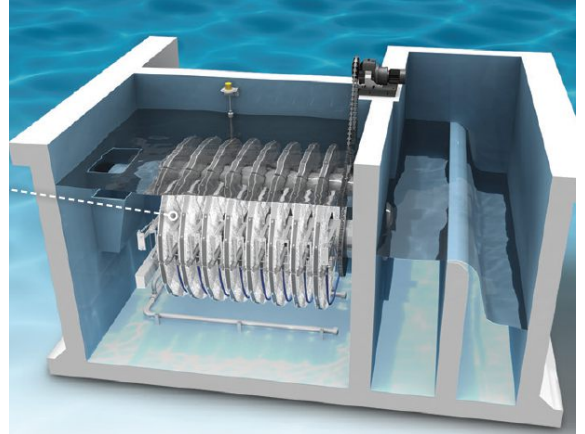
- Lowest steam consumption
- Indirect drying process
- High thermal efficiency
- High heat transfer area to process volume ratio
- Non -Sticky surface
- Self-cleaning mechanism
- Continuous and Non-stop operation
- Enclosed process therefore Odor free
- MOC-SS304/SS316 construction
- Wide range of sludge handling



PRODUCTS & TECHNOLOGIES

KORIN DISK FILTER

KORIN Disk Filter (Pile Cloth Disk Filter) is a tertiary treatment filter that removes the Suspended Solids and Total Phosphorus. It is a 24 hour continuous operating filter that can remove organic matter, phosphorus and color in conjunction with a chemical pretreatment.

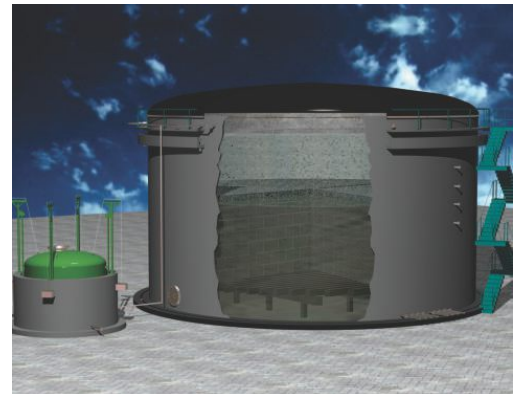


FEATURES:

- 24- hour continuous automatic operation
- Small backwash flow rate against influent
- High solids loading
- Compact structure minimizers area
- Easy to maintain with simple structure
- Applied to chemical phosphorus removal processes

AHR- A SYSTEM WHERE WASTE IS CONVERTED TO ENERGY

AHR (Anaerobic Hybrid Reactor), is a compact reactor in which treatment occurs with the process of Suspended Growth as well as Attached Growth simultaneously. Specially designed structured media provides large surface area for micro-organisms to grow and make colonies. AHR stabilizes wastewater into energy in the form of methane gas which is extensively used as energy source for cooking, boiler application, to run generators or as a replacement for LPG. Unique feature of SBS-AHR system is use of rigid membrane called AHR membrane in place of conventional MS Hoods or RCC Dome which are prone to repeated maintenance



FEATURES:

- High surface area,
- Free voidage
- UV Stabilized PVC media ideal for microbial growth
- Chemical resistant and nontoxic
- Non clog due to free random movement
- Quick and easy filling

PRODUCTS & TECHNOLOGIES

GODREJ INTELLIGENT FLOW CONTROL SYSTEM

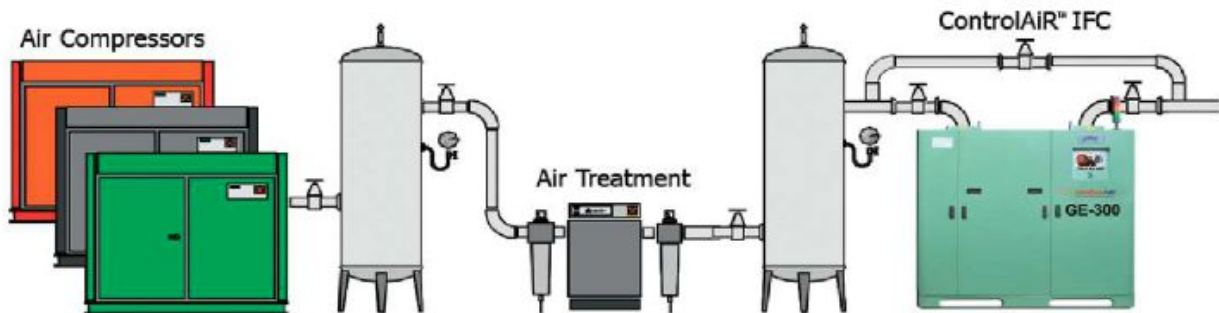


Intelligent Flow Control System (IFC) reduces artificial demand by controlling the air flow & pressure being delivered to the plant. The IFC is designed specifically to operate at an intermediate point of the compressed air system i.e., on the downstream side of the air treatment equipment and upstream side of the main piping distribution system.

IFC creates useful storage by introducing controlled differential pressure across an upstream receiver and itself. This storage isolates the compressors from demand side fluctuations.

FEATURES:

- Saves Compressed Air Energy by 4-25% through reduction in Artificial Demand
- Improves pneumatic equipment performance with constant air pressure within the range of +/- 1psig(0.07barg)
- Improves the response time of system to meet instantaneous demand
- Reduction in compressor's operation and maintenance
- Reduction in compressed air leakages
- Work with all brands and types of compressors
- Payback period between 1-2 years
- Improves VSD Performance



GODREJ WASTE HEAT RECOVERY SYSTEM AND INDUSTRIAL HEAT PUMP

Waste Heat Recovery System (WHRS)

Natural gas boilers have long been popular in industrial, food, and beverage applications. However, the escalating prices of fuel (gas, diesel) coupled with mounting concerns surrounding energy usage, emissions, and carbon taxes are prompting food and beverage facilities to explore more efficient and cost-effective alternatives.

While production is always a priority, the changing industrial landscape and interconnectedness of systems and processes allow for a new opportunity. An opportunity to leverage the thermal energy generated from processes and redirect them to operations that need high grade heating and cooling, as and when needed.



Heat Pump



A heat pump is an electrical device that extracts heat from one place and transfers it to another. Basically, it upgrades heat from low temperature to high grade heat using a small amount of electrical energy.

PRODUCTS & TECHNOLOGIES

BIO CAVITY MEDIA



These are Superior High Surface area Carrier Media for high rate Moving Bed Biofilm Reactions with Zero-Clogging Technology and a huge active surface area. After pre-treatment, Wastewater passes into the Cavity Media Reactor. The reactor is fitted with SS-304 retention screen and Diffused Aeration System. Cavity Media reactor is always followed by AS Tank as a polishing reactor followed by Bio-settling units.



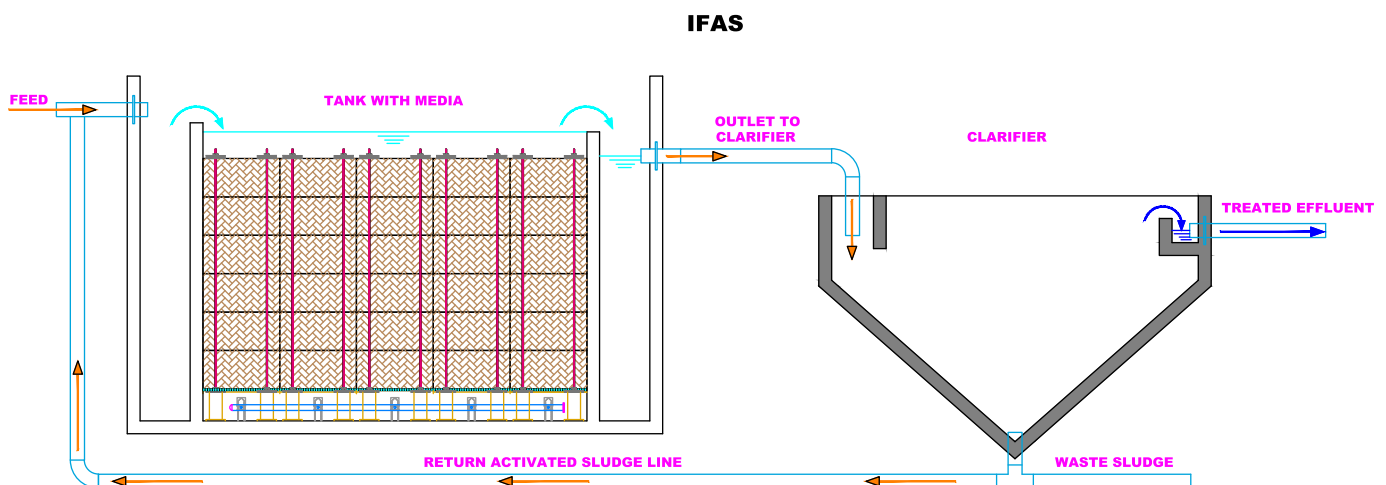
FEATURES:

- The Cavity Media has a Protected Surface Area of 4000-5000 m²/m³.
- The biofilms inside the pores are kept very thin due to self-cleaning.
- The measured Biodegradation Rates are 10 times higher than that of the conventional media of similar bulk.
- Even though it has very fine and detailed Pore Structure, it does not clog.

INTEGRATED FIXED-FILM ACTIVATED SLUDGE

Integrated Fixed-film Activated Sludge (IFAS) is a Wastewater Treatment Technology that combines the benefits of both suspended growth and attached growth processes. It is designed to enhance the performance and efficiency of traditional activated sludge systems.

IFAS Technology offers several advantages over conventional activated sludge systems. It enhances the treatment efficiency, reduces the footprint required for treatment plants, and increases the overall capacity of existing systems without the need for extensive plant expansion. It is particularly useful in situations where space is limited or when there is a need to upgrade existing treatment plants. IFAS Technology has been successfully applied in various Wastewater Treatment applications, including Municipal Wastewater Treatment Plants, Industrial Wastewater Treatment, and Decentralized or small-scale treatment systems



PROJECTS & SERVICES

PROJECTS

In our projects, We assumes full responsibility for the project's design, construction, and commissioning before handing it over to you as an entirely functional and operating system. Projects often involve planning and building a Water or Wastewater Treatment Plant from scratch, including the installation of all essential equipment and systems, in the case of Water and Wastewater Treatment Equipment and Products.

In general, projects can be an economical and effective approach for clients to adopt a Water or Wastewater Treatment solution since they can rely on *SBSEnviro* knowledge and experience to create a high-quality system that satisfies their particular requirements.

SBSEnviro undertakes projects for the following:

1. Effluent Treatment Plant (ETP)
2. Revamping & Upgradation of ETP
3. Sewage treatment plant (STP)
4. Zero Liquid Discharge (ZLD)



SERVICES

OPERATION & MAINTENANCE OF ETP

Our company also provides a service which is ETP Operation Maintenance Services. We provide safe water treatment to the customers through ETP plants and take full responsibility for their maintenance and installation. It is done by our experts who look after the defects in the plant and resolve the issues of our clients. We believe in providing best maintenance services to our clients without any delay and that too at a very nominal price. We also take full responsibility to handle any emergency.



O&M of Effluent Treatment Plant services offered are handled by experienced industry professionals who ensure optimum plant operation and maintenance standards are maintained at all levels. Working on well-defined approach, the team also ensures that effluent treatment plants provide for effective support in BOD reduction, aeration, clarification among others.

Some of the work areas we look into include plant functioning is maintained as per effluent treatment requirements, plants provide for effective removal of BOD₅, COD and other contaminants, provide for stable, effective and economic performance, water after treatment meet defined emission standards, provide for improved water solubility of oxygen, provide for reliable performance, offer suitable treatment support for domestic, industrial & commercial sewage and related organic sewage among others

INDUSTRIES WE SERVE



PULP & PAPER



FOOD & FOOD PROCESSING



OIL, REFINERY & PETROCHEMICALS



SUGAR & DISTILLERIES



ETHANOL INDUSTRIES



PHARMACEUTICAL & BULK DRUG



BEVERAGE INDUSTRIES



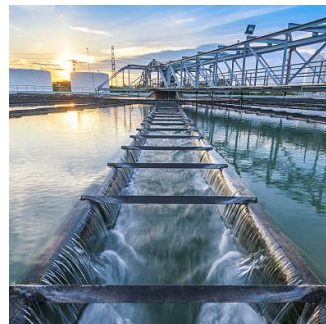
MUNICIPAL SEWAGE



HOTELS & HOSPITALS



AUTOMOBILE & PAINT INDUSTRIES



WATER TREATMENT APPLICATION



TEXTILE INDUSTRY



CHEMICAL INDUSTRIES



SBSEnviro Aqua Concepts Pvt Ltd.
The One Stop Shop for Waste Management



TOWNSHIP



SBSEnviro Aqua Concepts Pvt Ltd.
The One Stop Shop for Waste Management



WE ARE LOCATED AT

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M.I.D.C, Mahape - 400710, Navi Mumbai,
Dist - Thane, Maharashtra.

Works 1

W-47/C, Add.MIDC, Jambhivali,
Ambernath, Dist. Thane - 421501. Maharashtra.

Works 2

M-4/1, ,Add. MIDC, Anand Nagar,
Ambernath, Dist. Thane - 421501. Maharashtra.

NAVI MUMBAI | DELHI (NCR) | VADODARA | BENGALURU

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