



UY Trienviro Pvt. Ltd.

Wastewater Management Company

An ISO 9001 : 2015 & ISO 14001 : 2015 Certified Company



UY Trienviro Private Limited, Kanpur, is a multi-disciplinary environmental services company, established in November, 2016 with a Clean and Green India Mission, focussing on providing turnkey services in water and wastewater collection, treatment and disposal.

We provide complete, single-source services from engineering and design to construction and installation of wastewater treatment facilities for both domestic and industrial sectors.

We are backed with highly experienced and well qualified technical experts having more than 30 years' waste water management experiences in their respective industries, supported by well qualified young engineers team, which has helped us in creating strong presence in Distillery, Sugar, Tannery, Textiles, Paper & Pulp, Dairy industries, institutional and housing sectors.

After much appreciation and trust from our clients, we started manufacturing standalone equipment for the treatment of wastewater under the brand Trienviro . We use the best manufacturing practises to produce these equipment. Our ISO 9001:2015 & 14001:2015 certified, state of the art factory enables us achieve to high quality and efficient production. Our product range includes: Tube Settler, MGF, ACF etc.

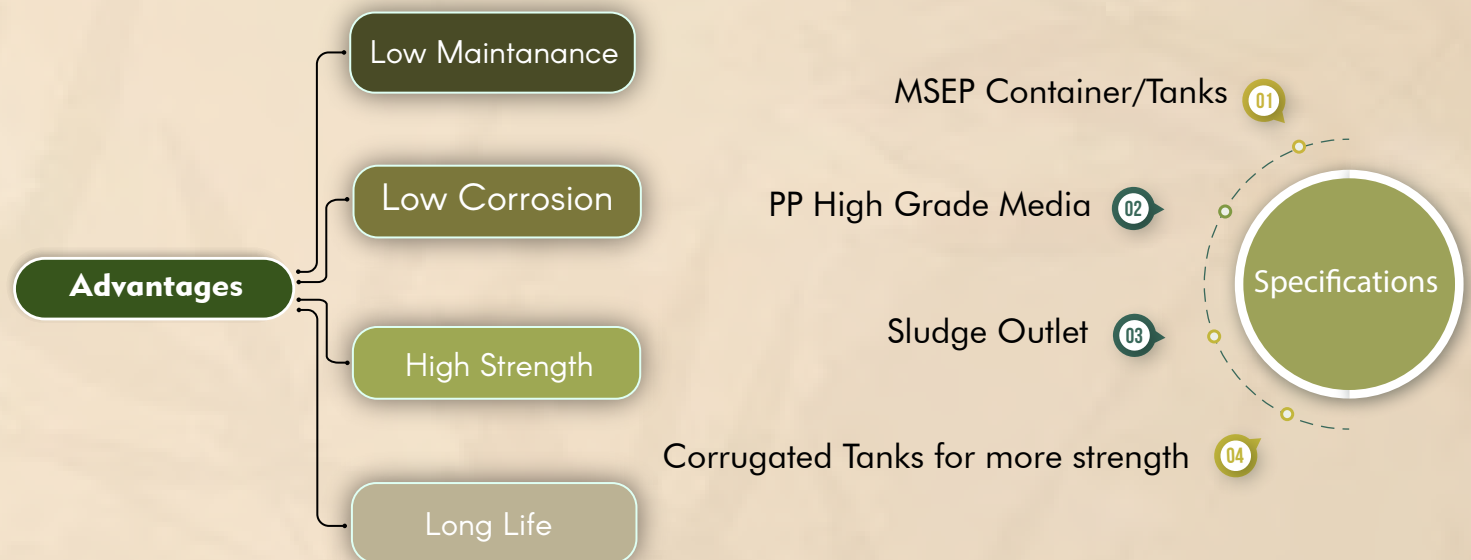


www.uytrienviro.com

Micro Tube Settler/ Plate Settler/ Lemella Clarifier



Tube Settlers are used in solid and liquid separation. It separates solid sludge from the wastewater. This process is purely based on gravitational. Media used in tubes settler increases the settling capacity. Multiple tubular channels are sloped at an angle of 60° and are adjacent to each other, which combine to form an increased effective settling area. pumped at a uniform rate to the plant.



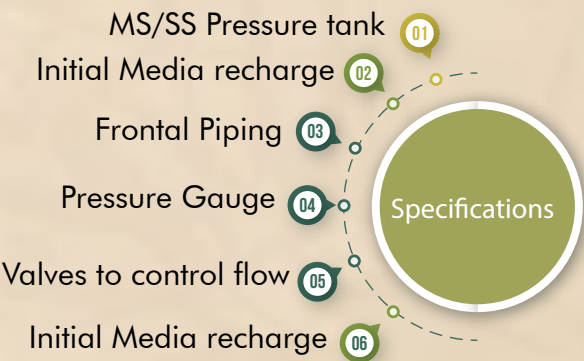
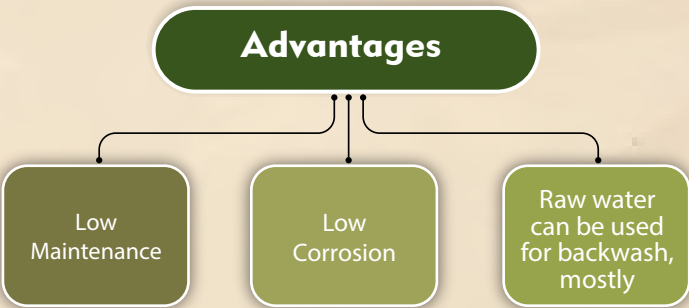
*All the vessels and piping will be MSEP

UY Multi Grade Sand Filter



In Multi Grade Filter or Pressure Sand Filter, water is passed through multiple layers of filter media consisting of graded sand, pebbles and gravels layers. This arrangement captures contaminants in the media bed and filtered water passes into the discharge manifold at the bottom of the tanks. UY Trienviro provides MGF or PSF in MS and SS tanks using high-grade filter media and valves with epoxy coating. We also cater to special requirements.

Note: Dual Media Filter also available.



S.No.	Model	Diameter (m)	Height (m)	Flow (m3/hr)
1	T-MGF-600	0.6	1.5	1-4
2	T-MGF-800	0.8	1.5	4-7
3	T-MGF-1000	1	1.5	8-10
4	T-MGF-1200	1.2	1.5	11-15
5	T-MGF-1400	1.4	1.5	16-20
6	T-MGF-1600	1.6	1.5	21-28
7	T-MGF-1800	1.8	1.5	29-35
8	T-MGF-2000	2	1.5	36-42
9	T-MGF-2200	2.2	1.5	43-54
10	T-MGF-2400	2.4	1.5	55-64
11	T-MGF-2600	2.6	1.5	65-74
12	T-MGF-2800	2.8	1.5	75-84
13	T-MGF-3000	3	1.5	85-99

*All the vessels and piping will be MSEP

UY Activated Carbon Filter

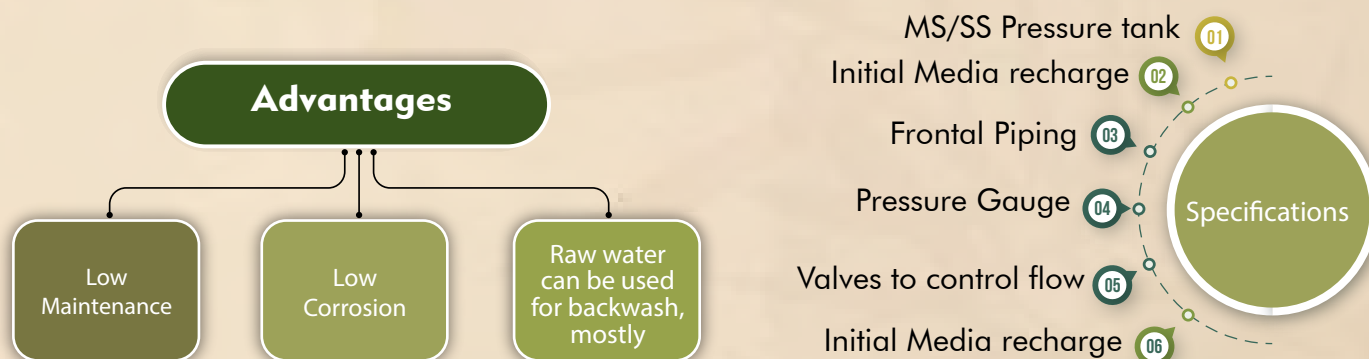


Activated Carbon Filter (ACF) works on the principle of adsorption. The filter media adsorbs or reacts with pollutant molecules, and then filtered water is drained out.

Activated carbon which is used as a medium to remove contaminants is a natural material derived from coconut shells, lignite, bituminous coal, etc. Activated Carbon Filters are installed after MGSF to remove color, odour, free chlorine, and oil & grease. UY Trienviro manufactures ACF in MSEP, SS, and FRP tanks using high-grade carbon

(600 – 1000 IV), pressure gauges, and valves. We also cater to special requirements.

Note: Dual Media Filter also available.



S.No.	Model	Diameter (m)	Height (m)	Flow (m ³ /hr)
1	T-ACF-600	0.6	1.5	1-4
2	T-ACF-800	0.8	1.5	4-7
3	T-ACF-1000	1	1.5	8-10
4	T-ACF-1200	1.2	1.5	11-15
5	T-ACF-1400	1.4	1.5	16-20
6	T-ACF-1600	1.6	1.5	21-28
7	T-ACF-1800	1.8	1.5	29-35
8	T-ACF-2000	2	1.5	36-42
9	T-ACF-2200	2.2	1.5	43-54
10	T-ACF-2400	2.4	1.5	55-64
11	T-ACF-2600	2.6	1.5	65-74
12	T-ACF-2800	2.8	1.5	75-84
13	T-ACF-3000	3	1.5	85-99

*All the vessels and piping will be MSEP
Standard media used is 600 IV

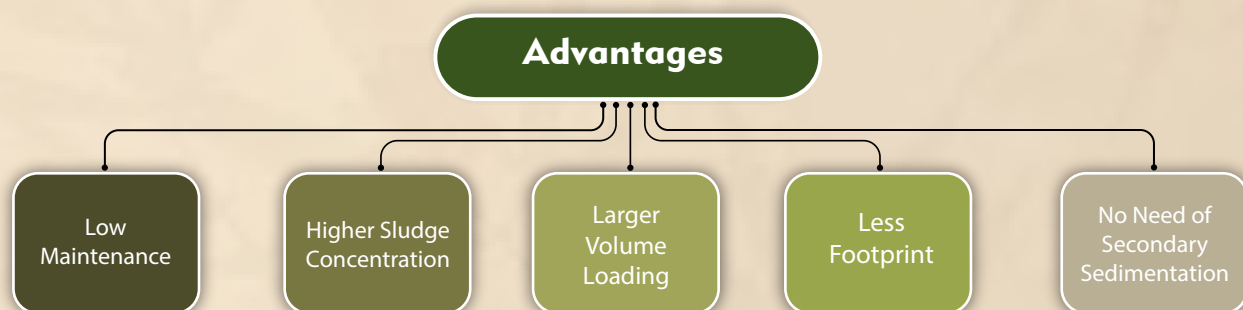
Membrane Bio Reactor



The Membrane Bio Reactor (MBR) is the technology of membrane separation combining with traditional sewage biology treatment tech. It reinforces the biological treatment on sewage treatment and recycling technology, it is also called membrane separation activated sludge treatment. MBR holds the activated sludge and big molecule

organics in aeration tank, increases the sludge concentration. In the meanwhile, the pollutants can be degraded in the tank further and effectively, making the permeate water quality cleaner. Due to the precision of membrane, filtration, the permeate water is clean and clear, so it can save the secondary sedimentation tank to increase the efficiency of solid-liquid separation. The air-water circulation flow in bioreactor can mix the wastewater fully, and make high dispersion of active sludge by increasing the specific surface area of active sludge. It is an important reason behind the effective removal of pollutants. Hydraulic Retention Time (HRT) fully separate from Sludge Retention Time (SRT). Bioreactor fully holds sludge in reaction tank, realize complete separation of HRT and SRT, making system working more flexible and stable. Higher sludge concentration, larger volume loading, lesser land occupations are few advantages.

Due to high sludge holding capacity of bioreactor, the sludge can reach 8-12g/l, which is 2-3 times than traditional active sludge treatment. Because of long sludge age, the microorganisms in reaction tank are mostly in decline phase, the reactor can play a role of 'sludge nitrification tank'. It can observably reduce residual sludge, then save the cost to treat them. Reproduction of nitrobacteria which growing slowly. Greatly increase the denitrification efficiency of system. Strong capacity of the load impact resistance. Because of the sludge holding in reaction tank, the sludge will change according to the organic pollutants concentration change to reach dynamic balance, greatly increasing the capacity of load impact resistance, thereby making permeate water more stable. MBR technology reduces the area acceleration and tank capacity to 1/3rd thereby reducing the aquicence for the total plant.

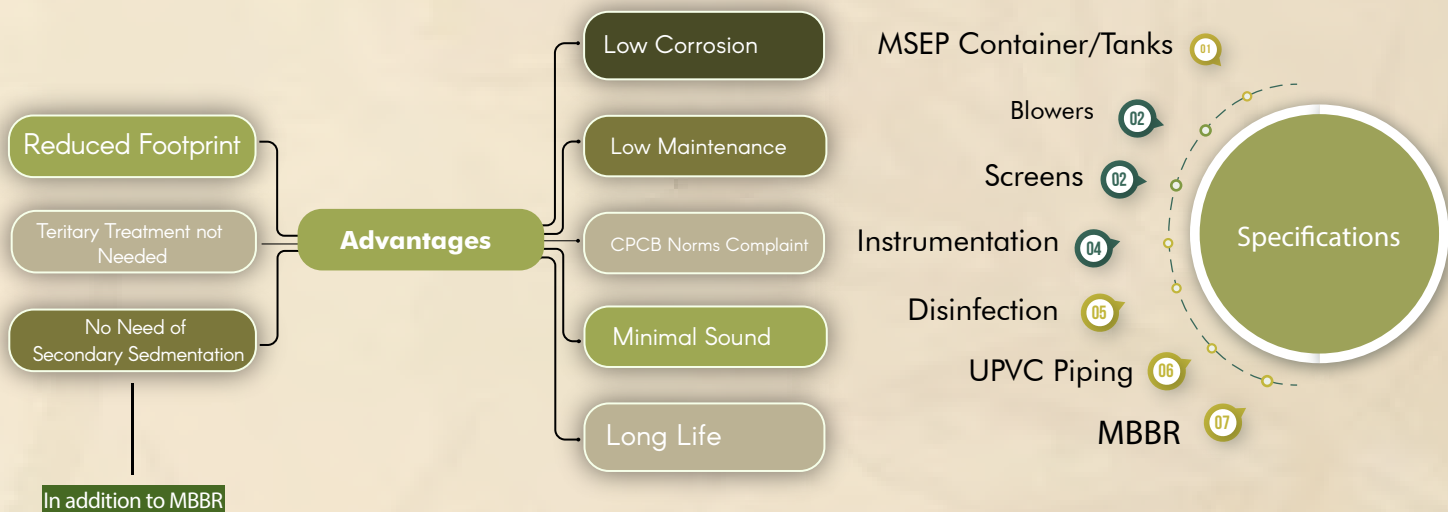


UY Packaged Sewage Treatment Plant



UY Trienviro designs, fabricates, installs and commissions different capacities of packaged sewage treatment plants as per the customer's requirements. These are suitable for rural areas, highway rest stops, hotels, restaurants and hospitals mainly where population is small or space is less or required plant capacity is small. The treatment scheme starts from bar screen, oil & grease trap, that flows to equalization tank which allows the flows

coming to the plant to be held and pumped at a uniform rate to the plant. There are also alternate designs with MBR / MBBR technology for reduced footprint. The treated discharge is then disinfected with hypochlorite or ultraviolet or ozonation system depending upon client's requirements. Final discharge is normal to a stream. MBR technology reduces the aeration tank capacity to 1/3rd, thereby reducing the footprint.



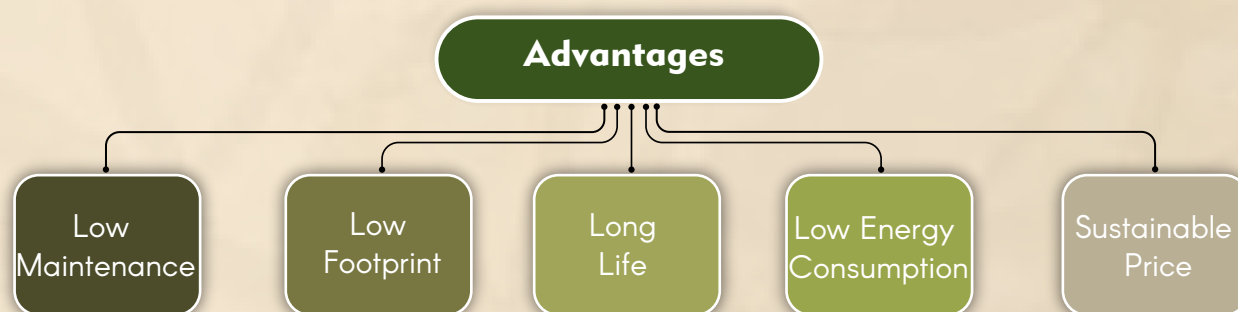
Sr. No.	Model	Flow (m3/day)
1	T-STP-10	10
2	T-STP-20	20
3	T-STP-30	30
4	T-STP-40	40
5	T-STP-50	50

For higher capacities, please contact us directly.

UY JAL YU



UYT JAL YU is a compact wastewater treatment plant having excellent capabilities to treat tough effluents of industries such as dairy, tannery, hospitals etc. It works on a plug – n – play model and takes very less footprint and energy. It is a patent pending technology of UY Trienviro. It uses advanced oxidation technology to oxidize various organic impurities and to treat the effluent up to the required parameters.



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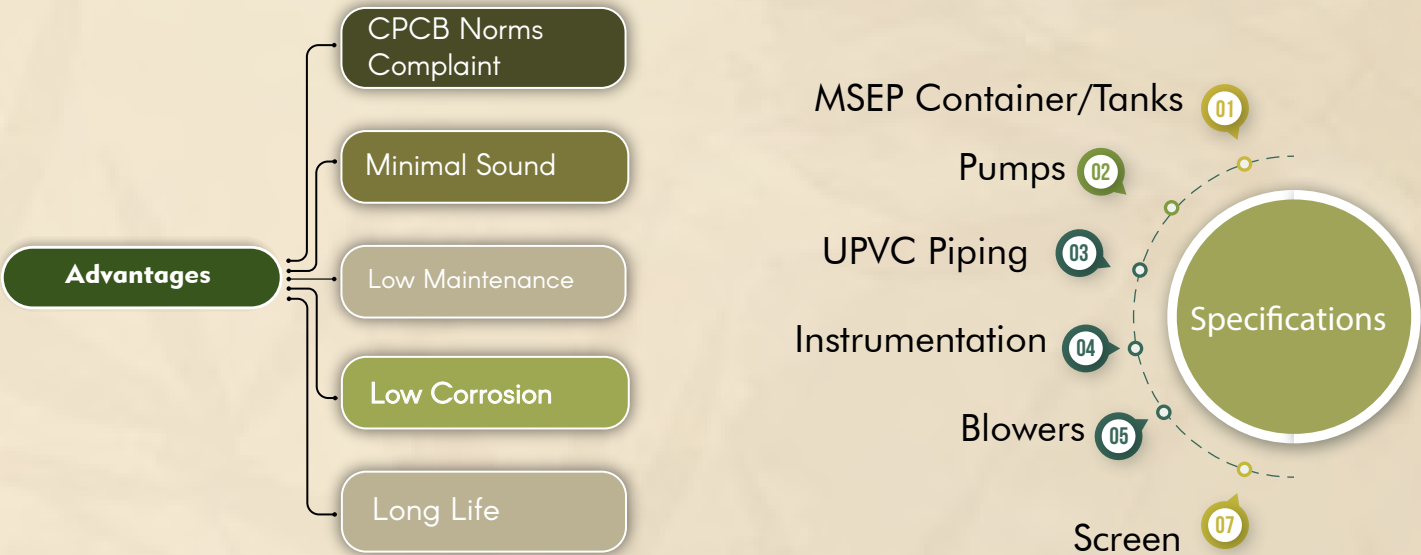
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Connect with the dealer

UY Packaged Effluent Treatment Plant



UY Trienviro designs, fabricates, installs and commissions different capacities of packaged effluent treatment plants as per the customer's requirements. These are suitable for small factories, temporary work stations or sites, mines. The treatment scheme starts from bar screen, oil & grease trap, that flows to equalization tank which allows the flows coming to the plant to be held and pumped at a uniform rate to the plant. There are also alternate designs with MBR & MBBR technology for reduced footprint. The treated discharge is then disinfected with hypochlorite or ultraviolet or ozonation system depending upon client's requirements. Final discharge is normal to a stream.



For higher capacities, please contact us directly

UY Industrial RO Plant



Reverse Osmosis is a completely self-contained unit provided with all internal and external water connections by means of plastic piping for feed water to be connected to the source of water, product water and reject water which is suitable for high pressure operation and for drinking water use. It can be integrated with existing filtration system to meet region specific water quality standards. The power supply switch for motor, properly insulated PVC sheathed wiring and cable lead is provided for external and internal power connections. UY Trienviro provides customized as per the customers' requirements. We provide standard during water RO Plants of capacities 100 LPH, 250 LPH & 500 LPH.

Advantages

Low Maintenance

Low Corrosion

Minimal Sound

Long Life

CPCB Norms Compliant

MS/SS Pressure tank

High Quality Peripherals

Pumps

Instrumentation

UPVC/SS Piping

Backwash System and CIP

Specifications



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