



UY TRIENVIRO

Wastewater Management Company

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



**Reduce
Reuse
Recycle**

Introduction

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

UYT 

Reduce
Reuse
Recycle



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.

Advantages

- **Low Maintenance**
- **Low Civil Footprint**
- **High Efficiency**
- **Long Life**

Specifications

- **MSEP Container/Tanks**
- **PVC High Grade Media**
- **Sludge Outlet**
- **Customised design**

*All the vessels and piping will be MSEP

UYT 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 MSEP and SS tanks using high-grade filter media and valves. We also cater to special requirements.

Note: Dual Media Filter also available.

Advantages

- **Low Maintenance**
- **Low Corrosion**
- **Raw water can be used for backwash, mostly**
- **High Efficiency**

Specifications

- **MS/SS Pressure tank**
- **Initial Media recharge**
- **Frontal Piping**
- **Pressure Gauge**
- **Valves to control flow**
- **Initial Media recharge**

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

*All the vessels and piping will be MSEP

UYT 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.

Advantages

- Low Maintenance
- Low Corrosion
- Raw water can be used for backwash, mostly
- High Efficiency

Specifications

- MS/SS Pressure tank
- Initial Media recharge
- Frontal Piping
- Pressure Gauge
- Valves to control flow
- Initial Media recharge

S.No.	Model	Diameter (m)	Height (m)	Flow (m ³ /hr)
1	UYT-ACF-600	0.6	1.5	1-4
2	UYT-ACF-800	0.8	1.5	4-7
3	UYT-ACF-1000	1	1.5	8-10
4	UYT-ACF-1200	1.2	1.5	11-15
5	UYT-ACF-1400	1.4	1.5	16-20
6	UYT-ACF-1600	1.6	1.5	21-28
7	UYT-ACF-1800	1.8	1.5	29-35
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10	UYT-ACF-2400	2.4	1.5	55-64
11	UYT-ACF-2600	2.6	1.5	65-74
12	UYT-ACF-2800	2.8	1.5	75-84
13	UYT-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. MBR holds the activated sludge and big molecule organics in aeration tank, increases the sludge concentration. 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. Higher sludge concentration, larger volume loading, lesser land occupations are few advantages.

MBR technology reduces the area occupation and tank capacity to 1/3rd thereby reducing the aquicence for the total plant.

Advantages

- **Low Maintenance**
- **Higher Sludge Concentration**
- **Larger Volume Loading**
- **Less Footprint**
- **No Need of Secondary Sedimentation, Tertiary, Cuf.**

UYT 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 1/3, thereby reducing the footprint.

Advantages

- **Low Maintenance**
- **Low Corrosion**
- **CPCB Norms Complaint**
- **Minimal Sound**
- **Long Life**
- **Reduced Footprint**

Specifications

- **MSEP Container/Tanks**
- **Blowers**
- **Screens**
- **Disinfection**
- **UPVC Piping**
- **MBBR / MBR**

S.No.	Model	Flow (m3/hr)
1	UYT-STP-10	10
2	UYT-STP-20	20
3	UYT-STP-30	30
4	UYT-STP-40	40
5	UYT-STP-50	50

For higher capacities, please contact us directly.

UYT 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 uses advanced oxidation technology to oxidize various organic impurities and to treat the effluent up to the required parameters.

Advantages

- **Low Maintenance**
- **Low Footprint**
- **Non Conventional**
- **Long Life**
- **Plug-n-Play**

UYT 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.

Advantages

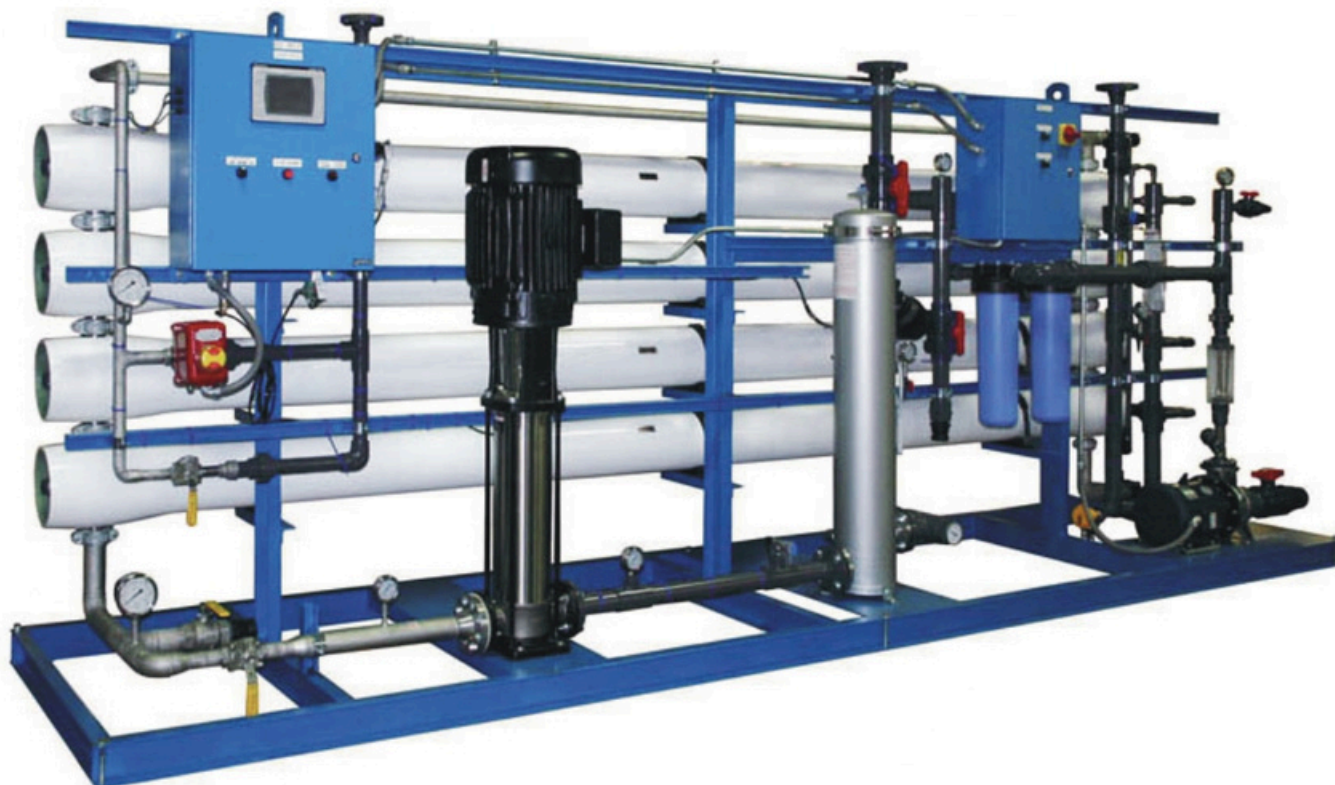
- **CPCB Norms Complaint**
- **Minimal Sound**
- **Low Maintenance**
- **Low Corrosion**
- **Long Life**

Specifications

- **MSEP Container/Tanks**
- **Pumps**
- **UPVC Piping**
- **Instrumentation**
- **Blowers**
- **Screen**

For higher capacities, please contact us directly

UYT 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.

Advantages

- **Low Maintenance**
- **Low Corrosion**
- **CPCB Norms Compliant**
- **High Recovery rate.**
- **Minimum Reject.**

Specifications

- **MS/SS Pressure tube**
- **High-Quality Specific Membrane**
- **Low Energy pumps.**
- **Instrumentation**
- **UPVC/SS Piping**
- **Backwash System and CIP**

Equipments for STP ETP

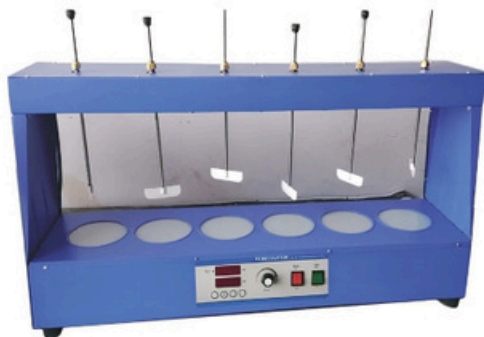
• Bar Screen in MS & SS



• Clarifier Mechanism



• Flocculator



• Aggetator



• Flash Mixer



• Oil Skimmer



• Tubular Fine Bubble Diffuser in SS



Trusted by

Tannery



Sugar



Sewage



Dairy



General



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