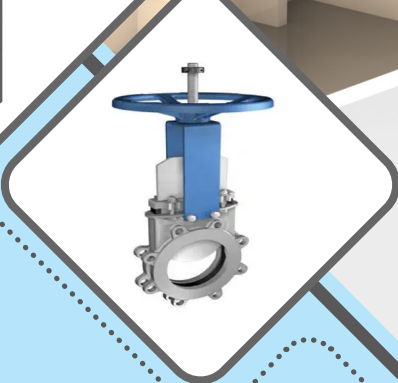
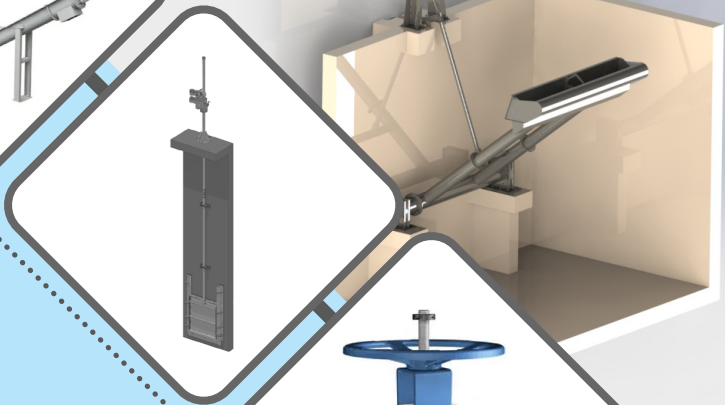
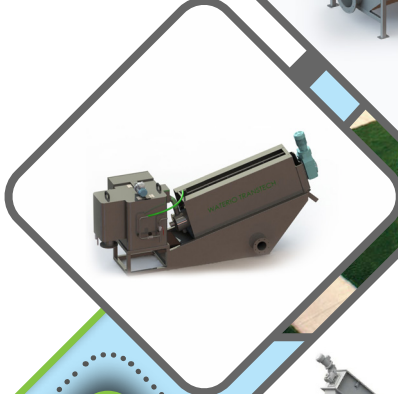
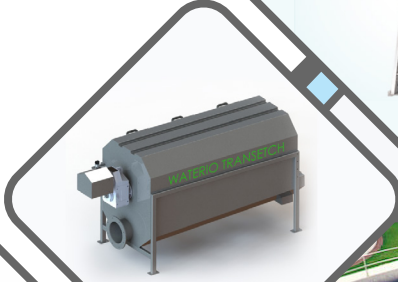




Waterio TransTech



**YEARS
OF
EXPERIENCE**



Save Water, Save Future


We are manufacturer, supplier, Service
Provider of Water & wastewater equipments

DEALS IN :

SCREENS, CONVEYORS, DEGRITTING, PRIMARY & SECONDARY TREATMENT, BIOLOGICAL TREATMENT TERTIARY TREATMENT, FILTRATION PROCESS, SLUDGE TREATMENT & FLOW CONTROL GATES AS WELL AS VALVES ALSO

 **+91-8209 246975 , +91-6306 099151**

 waterio924@gmail.com  wateriotranstech.com

 **Registered Office :** B-5, Haldauni Ext., Ecotech-III, Greater Noida-201306 (UP)

GSTIN/UIN : 09DLBPR9164P2Z2

A. Multi Rake Screen

- Multi Rake screen is a mechanically cleaned medium or coarse screening equipment which is applicable to screen out the medium & coarse sized floating materials from the wastewater.

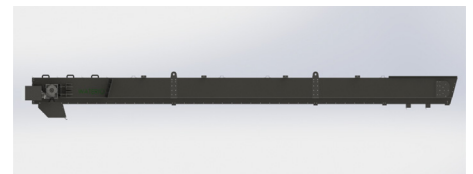
The screenings are lifted, transported and discharged using rakes, that are also suitable for cleaning the filtration area. Rakes are guided by rails at the bottom without any bearings/mechanical components submerged by the raw water. These screens are used before pumping stations & prevent breakdown in pump.

Features:

- Bar spacing-2mm to 50mm (Larger on request)
- Bar size-50x10/50x8 (other on request)
- Channel width-up to 5,000mm (Larger on request)
- Channel depth-up to 50,000mm (Larger on request)
- Material of construction-SS304, SS316 (other on request)



Multi Rake Screen (Economic)



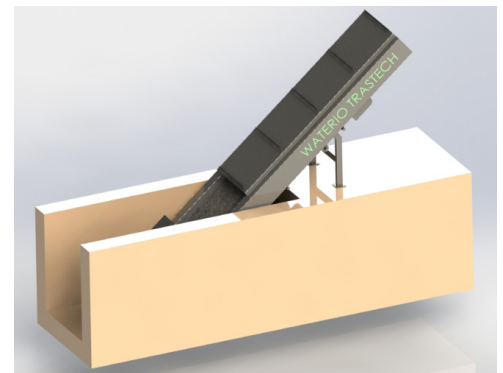
Multi Rake Screen

B. Step Screen

- Step screen is a mechanically cleaned fine screening equipment which is applicable to screen out the finer sized floating materials from wastewater like bags, pouches, paper wastages, cloths, plastics many others. These screens operated either motor mounted on the shaft or hydraulically through power pack.

Features:

- Bar spacing-2mm to 6mm (Larger on request)
- Channel width-300 to 2,000mm (Larger on request)
- Channel depth-up to 2,200mm (Larger on request)
- Lamella thk-2-3 mm
- Material of construction-SS304, SS316 (other on request)



Hydraulic Step Screen



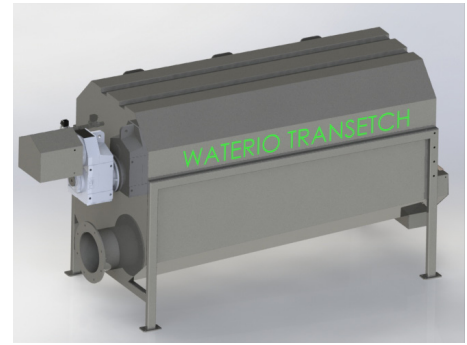
Motorised Step Screen

C. Drum Screen

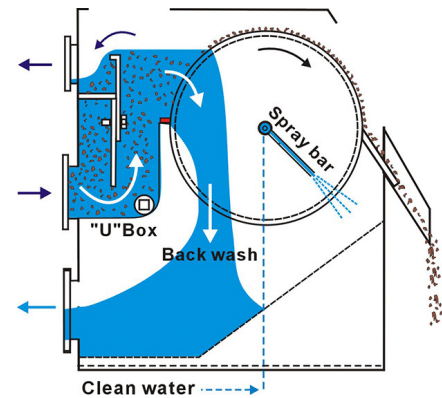
■ Drum screen is a rotary screen which works in externally and internally feed both. This is also a fine type screen which removes the finer sized materials from wastewater. Filtration area of these screens are constructed through wedge wire or perforated sheet.

■ Features:

- Wedge wire slot/Perforated dia. size-0.5mm to 6mm
- Type-Externally feed/Externally feed
- Drum dia.-200mm to 1500mm (depends on data)
- Drum length-600 to 2,500mm (depends on data)
- Material of construction-SS304, SS316 (other on request)



Internal Feed Drum Screen



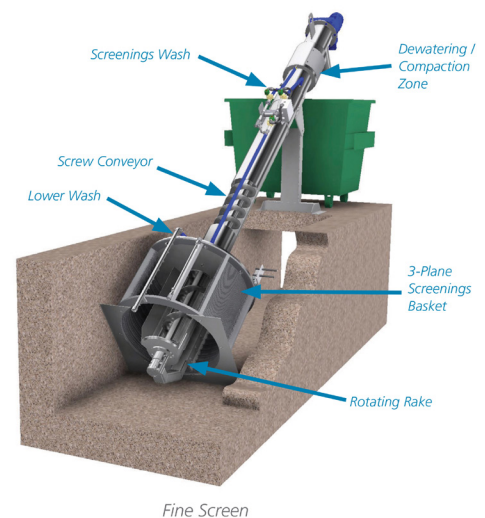
External Feed Drum Screen

D. Rotobrush Screen

■ Rotobrush screen is a mechanically cleaned screening equipment which is used to remove fine sized floating materials. These are mostly used in MBR, sugar, breweries, textile, chemical, food processing units. Filtration area of these screens are constructed through wedge wire. Screenings are conveyed by a shafted screw until the compacting/dewatering section where both the volume and the weight are reduced (up to 40%).

■ Features:

- Wedge wire slot size -0.5mm to 8mm
- Drum dia.- 600 to 2200mm
- Drum length- 600 to 3000
- Material of construction-SS304, SS316 (other on request)



Roto Brush Screen

E. Hyperbolic / Static Screen

■ Hyperbolic screen is a manually cleaned very fine screening equipment which is used to remove very fine floating materials from the wastewater, These are mostly used in MBR, sugar, breweries, textile, chemical, food processing units. The screen is built with stainless steel wedge wire mesh from 0,25 mm to 1,5 mm to remove any solids above this mesh size. No power required.

■ Features:

- Wedge wire slot size -0.25mm to 1.5mm
- Opening-500 to 2000mm (larger on request)
- Material of construction-SS304, SS316 (other on request)



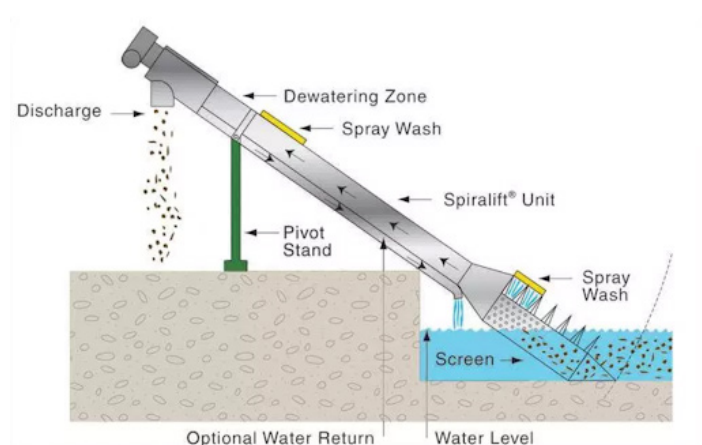
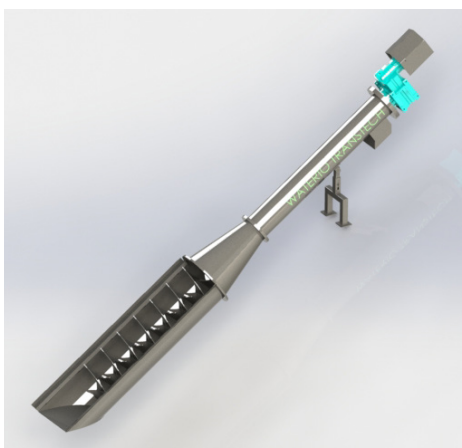
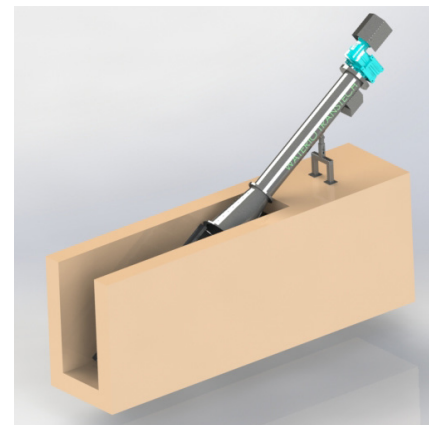
Hyperbolic Screen

F. Screw Screen

■ Screw screen is a mechanically cleaned screening equipment which is used to remove fine sized floating materials with or without compaction. These are mostly used in MBR, sugar, breweries, textile, chemical, food processing units. Filtration area of these screens are constructed through wedge wire and perforated sheet.

■ Features:

- Wedge wire slot size/perforated dia.-0.25mm to 7mm
- Drum dia.- 850
- Screen field length-depends on data
- Compactor- on request
- Material of construction-SS304, SS316 (other on request)



Screw Screen (Wedge Wire/ Perforated)

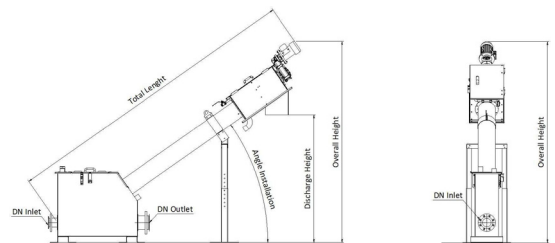
G. Screw Screen In Tank

- Screw screen is useful to pre-treat any kind of sewage water being it municipal or industrial. The machine is installed inside a self-supporting tank. The machine is composed of a tank, complete with hinged upper cover with safety micro switch, air vent.

The screening zone is composed by a stainless steel screen basket that can have a perforated mesh aperture from 2 to 10mm in case of perforated profile, or from 0,25 up to 2 mm in case of wedge wire profile. The screen basket is cleaned by reinforced brushes fixed with bolts directly on the external of the transport screw. These reinforced brushes are divided in sectors, easily replaceable when worn. It rotates inside a transport tube coated with wear bars bolted directly on it. This is used for multipeposes.

■ Features:

- Wedge wire slot/perforated dia.-0.25mm to 7mm
- Drum dia.- 850
- Tank size-variable
- Screen field length-depends on data
- Compactor- on request
- Material of construction-SS304, SS316 (other on request)



Screw Screen In Tank

H. Trace Rake

- Trace Rake is a manually/mechanically cleaned coarse screening equipment which is used to remove coarse floating materials from the water & wastewater, These are mostly used in river, power plant & for high ammount of wastewater. These screen is constructed through bars and channels.

■ Features:

- Bar spacing-50mm to as required
- Lifting arrangement-manually/chain & pulley
- Channel width-as required
- Channel depth-as required
- Material of construction-carbon steel / SS304, SS316 (other on request)



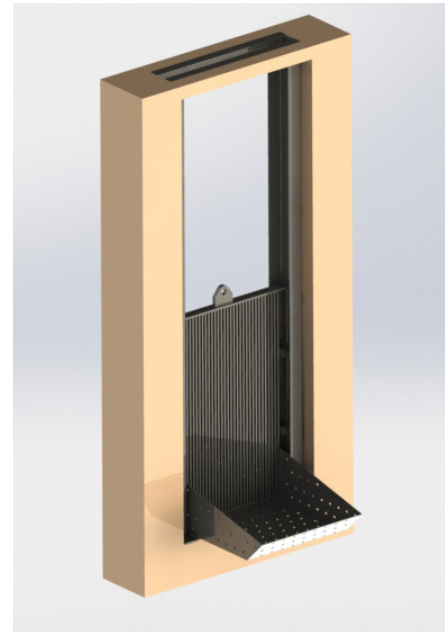
Trace Rake With Lifting Beam

I. J-Type Screen

J-Type screen is a mechanically cleaned medium or coarse screening equipment which is applicable to put down all the screenings into basket & screen out all the medium & coarse sized floating materials from the wastewater. These screens are used before pumping stations & prevent breakdown in pump

■ Features:

- Bar spacing-20mm to as required
- Channel width-as required
- Channel depth-as required
- Material of construction-carbon steel / SS304, SS316 (other on request)



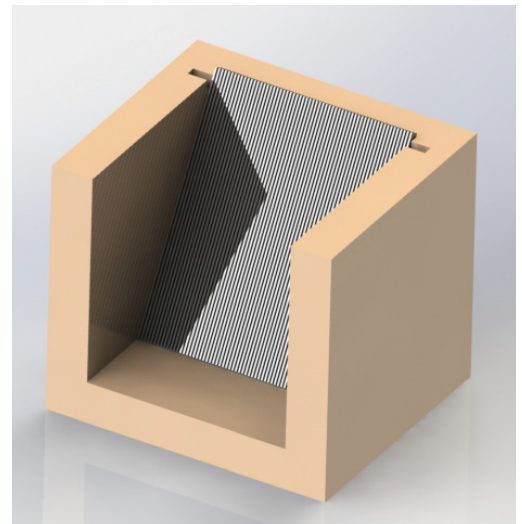
J-Type Screen

J. Bar Screen

Bar screen is a manually cleaned fine & coarse screening equipment which is used to remove fine & coarse floating materials from the wastewater, These are mostly used in inlet channel. These screens are constructed through bar & channel.

■ Features:

- Bar spacing-6mm to as required
- Channel width-as required
- Channel depth-as required
- Material of construction-SS304, SS316 (other on request)



Manual Bar Screen

CONVEYORS

A. Flat Belt Conveyor

Flat Belt conveyor is very suitable for long distance transportation of screening. This is installed at the discharge points of the screens & screening conveyed to the discharge pit or screw compactor. Compactor compacts screening through its compaction zone & discharges to the specified destination.

Features:

- Capacity- up to 15 m³/hr
- Overall length-Variable
- Width-600-700mm (Larger on request)
- Material of construction-SS304, SS316 (other on request)



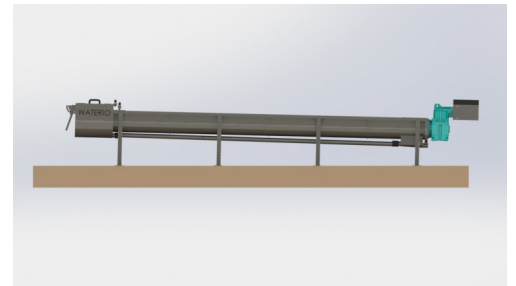
Belt Conveyor

B. Screw Conveyor

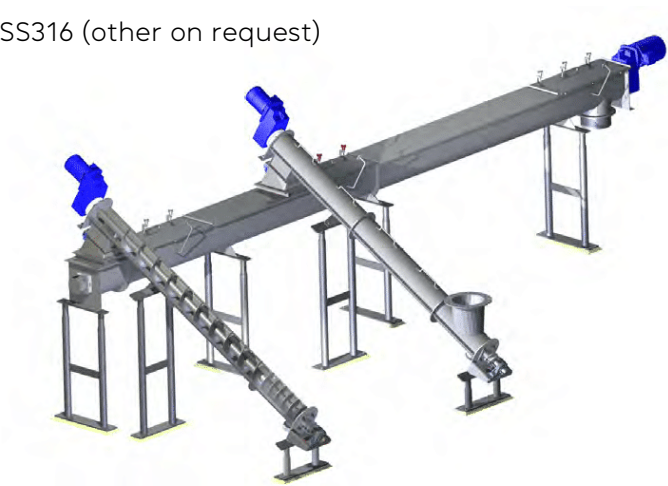
Screw conveyor is very suitable for non hazardous of screening. This is installed at the discharge points of the screens & screening conveyed to the discharge pit or screw compactor. Compactor compacts screening through its compaction zone & discharges to the specified destination.

Features:

- Capacity- up to 15m³/hr
- Screw dia-200 to 400mm (Larger on request)
- Overall length-Variable
- Inclination angle-2-5 deg.
- Material of construction-SS304, SS316 (other on request)



Screw Conveyor With Compactor



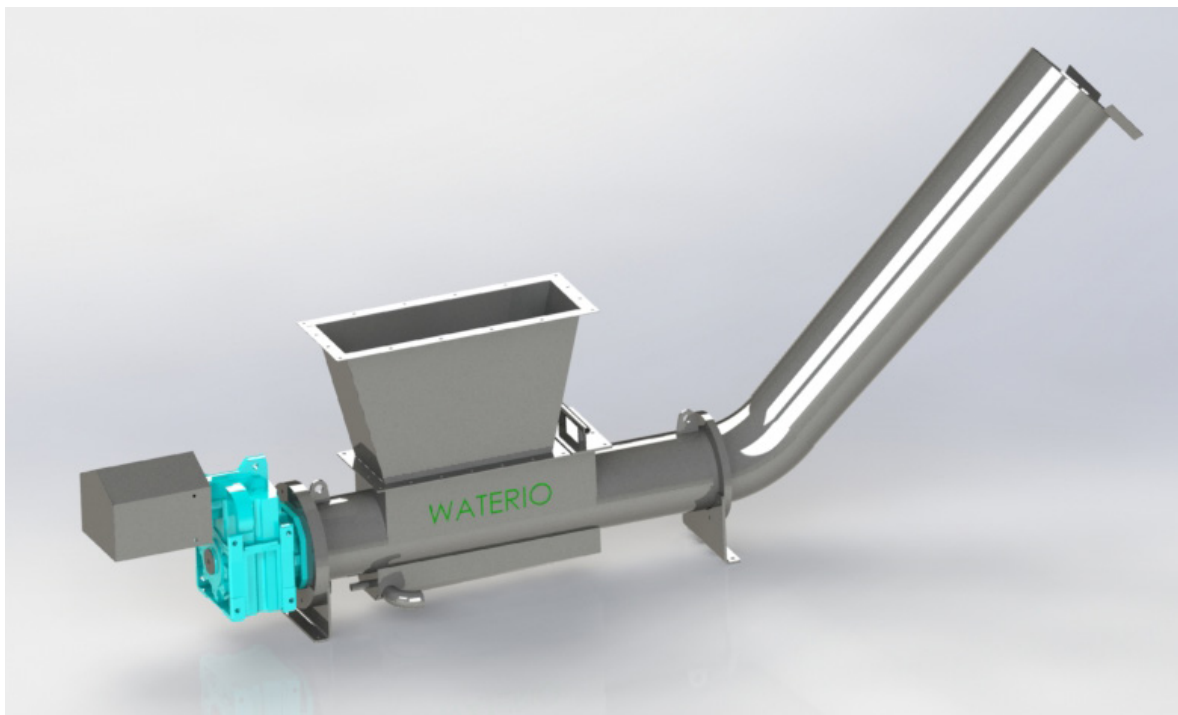
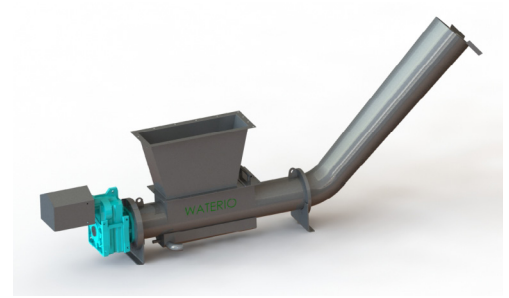
Screw Conveyor

C. Jet Braker with Wash Compactor

■ Jet Braker with Wash Compactor is very useful for non hazardous transportation of screening. This is installed at the discharge points of the screens & screening volume compacted upto 80 % & conveyed to the discharge pit. It reduces transportation cost and land fill area.

■ Features:

- Screw dia-200 to 400 (Larger on request)
- Overall length-Variable
- Inclination angle-2-5 deg.
- Dewatering - up to 60% dry
- Volume & weight reduction-upto 70-80%
- Trough Protection with HDPE/UHMWPE liner
- Washing system with solenoid valve
- Material of construction-SS304, SS316 (other on request)



Jet Braker with Wash Compactor

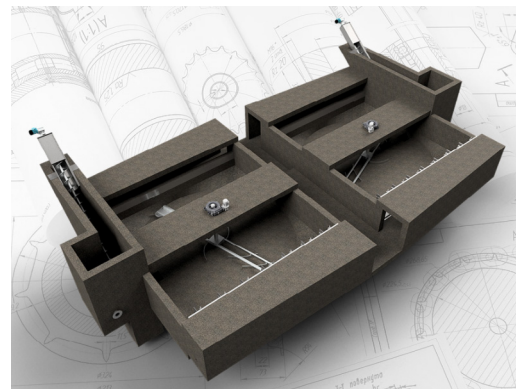
DEGRITTING

A. Detritors

- Detritors are the grit collection and washing chambers in which grit is settled down, scrapped towards the collection pit then organic materials washed out through the organic return mechanism & then collected grit taken out through screw classifiers / reciprocating rake classifiers
Screw Classifier is a motorised operated equipment which is used to classify the grit and then screw out them into grit pit / chamber with the help of screw arrangement.
The shaft less screw extracts the grits from the hopper's bottom, while the cleaned water outflow through the outlet spout. The water enters the hopper and the sand falls on the bottom, to then be extracted from the cochlea that, by rotating at low speed, avoiding turbulence and increases the efficiency of the process. Inclination angle may be defined up to 35 deg,

- Features:

- Scrapper shape-di or try arm (as required)
- Size- as per chamber size
- Screw classifier dia-200 to 800mm
- Grit separation: $\geq 90\%$ for particles up to 200 μm
- Material of construction-MSEP/SS304, SS316 (customized)
- Shape-square/circular
- Screw classifier Shaft-shated/shaftless
- Trough Protection with HDPE/UHMWPE liner



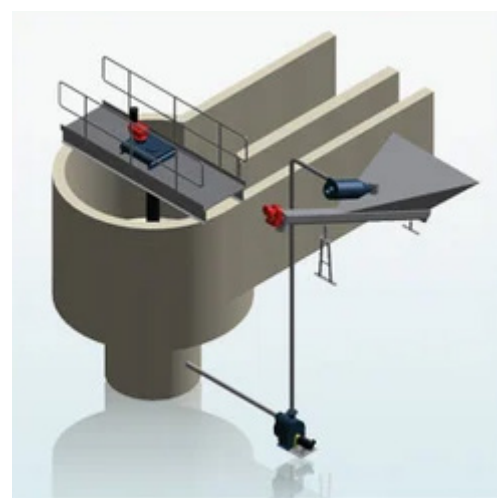
Grit Detritors

B. Vortex Type Grit Chamber

- The vortex-type grit chambers (also called accelerated grit separation devices) utilize both gravitational and centrifugal forces for the separation of grit. This type of unit is designed to remove grits of specific gravity 2.5 or larger with sizes ranging from 0.15 (100-mesh) to 2mm(10-mesh).

- Features:

- Capacity-up to 4.3 m³/s
- Height- upto 6700 mm
- Upper chamber dia-1800 to 9800 mm
- Lower hopper dia- upto 2400 mm
- Detention time- 20-30 Second
- Material of construction-MSEP / SS304, SS316 (other on request)
- Drive -as required
- Removal efficiency- 85 to 95 %



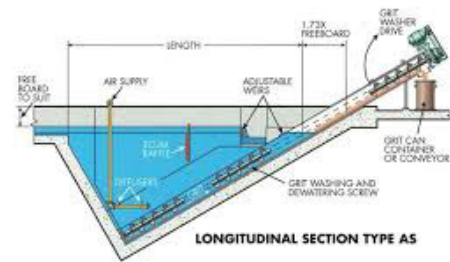
Vortex Type Grit Chamber

C. Grit Washer

Grit washer is an equipment which is used for the separation and cleaning of sandy material from wastewater. These machines consist of a conical decantation hopper, provided with an agitation system that give to sandy waste water a rotational movement; this rotation facilitates the sedimentation process and, at the same time, keeps in suspension the organic matters. The settled and washed grit is removed through shafted screw from the bottom of conical hopper.

Features:

- Capacity-up to 90 m³/hr.
- Screw dia-200 to 400mm
- Shaft-shated/shaftless
- Drive -as required
- Grit separation: $\geq 90\%$ for particles up to 200 μm
- Trough Protection with HDPE / UHMWPE liner
- Material of construction-MSEP / SS304, SS316 (other on request)



Grit Washer

D. Screening & Grit Removing (Mini Unit)

Screening & Grit Removing (Mini Unit) is a combined equipment for screenings and grit removing; it represents the most economical solution to treat low flow rates. The incoming wastewater is filtered through a screw screen than goes into the settling tank. The internal baffle system allows an efficient separation of the sand that is collected on the bottom of the tank and extract with a screw. This mini unit is multi purpose like, low flow stp, septage unit etc.

Features:

- Capacity-up to 30 m³/hr.
- Screw dia-200 to 400mm
- Shaft-shated/shaftless
- Oil/Grease extraction-optional
- Drive -as required
- Grit separation: $\geq 90\%$ for particles up to 200 μm
- Trough Protection with HDPE / UHMWPE liner
- Material of construction-MSEP / SS304, SS316 (other on request)

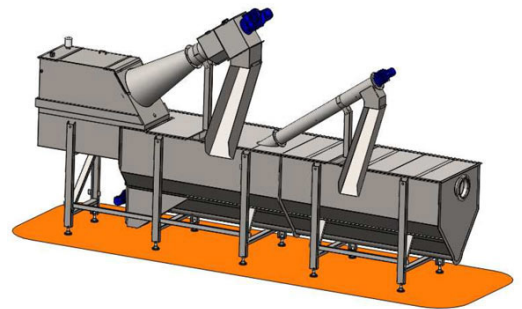
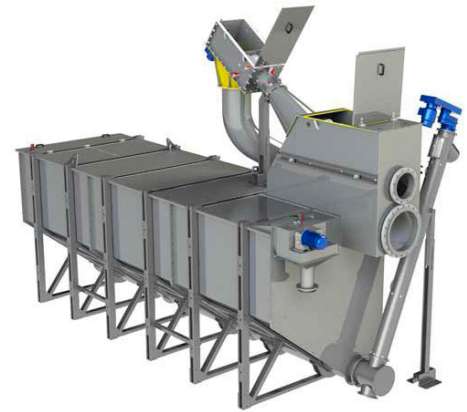


Combined Screening & Grit Removing Unit (mini)

E. Septage Acceptance Unit /Large Unit/ Combo Unit

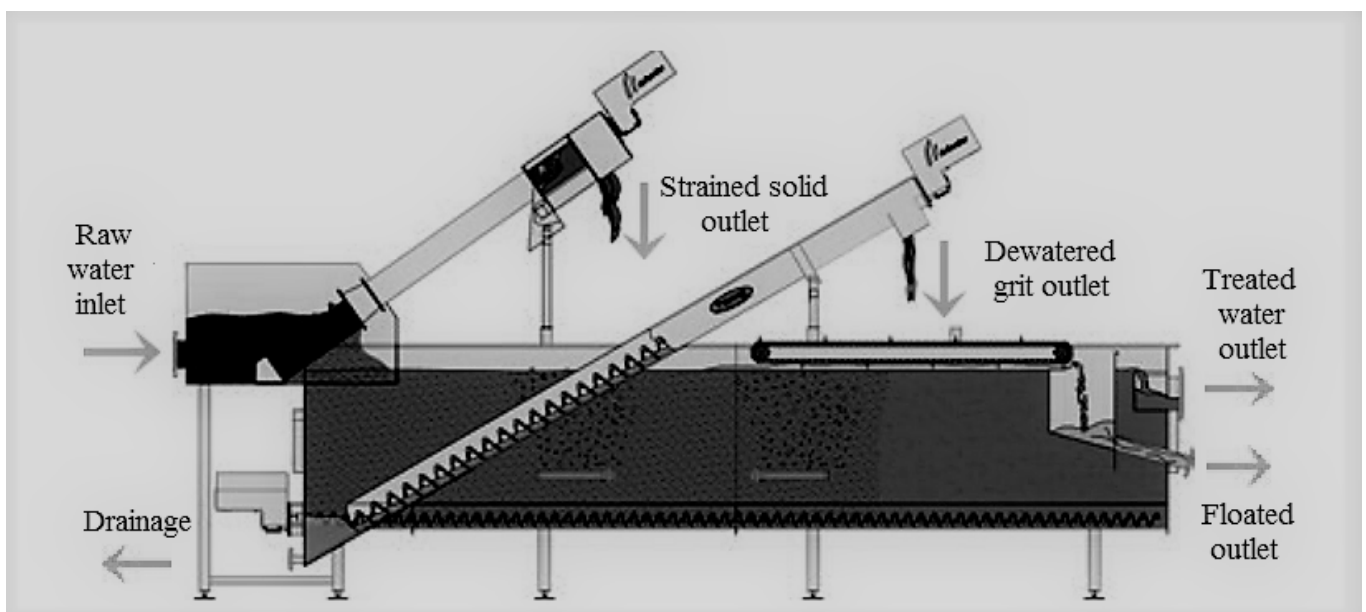
Combo Unit (Large Unit) is a grit / sand classifier with longitudinal hopper that makes a selection of the grit for the principle of gravity and thanks to the whirling motion created by blower, moving the particles, separates the grit from the organic material that due to major specific weight respect to the water decants on the bottom of the hopper, where there is a bottom screw that carries the grit in a collection tank; also bring in suspension oil and grease.

An inclined, called extractor, pick up the grit and bring it out of the machine. The grease removal system is made from a series of plate moved by chain that scrapes the water and brings the grease in a collection hopper. The water rich of organic material exits to the machine for overflow from an appropriate discharge. This Large unit is multi purpose like, high flow stp, septage unit etc. Main purpose of this unit is for septage unit



Features:

- Capacity-more than 30 m³/hr.(as required)
- Type-with / without screen (as required)
- Air blower- optional
- Oil / grease extraction-optional
- Grit separation: $\geq 90\%$ for particles up to 200 μm
- Trough Protection with HDPE / UHMWPE liner
- Material of construction-MSEP / SS304, SS316 (other on request)
- Screw dia-200 to 400mm
- Shaft-shated / shaftless
- Truck port- optional
- Drive -as required



Septage Acceptance Unit

A. Clarifiers / Clariflocculators/ Sludge Thickner

Clarifiers / Clariflocculators are the settling tank where suspended / attached particle are settled down on the bottom of the tank then scraped it in a centered cone and then pumped out through sludge pump into the sludge thickner. Sludge thickner reduces the sludge volume for the sludge dryer.

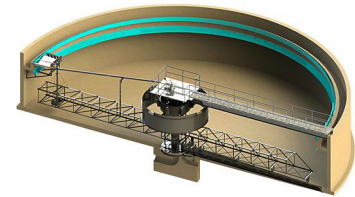
Sludge scrapper is motorised operated through drive head, center mechanism or turn table. This is catagorised like full bridge mounted, half bridge mounted or through all supported.

Features:

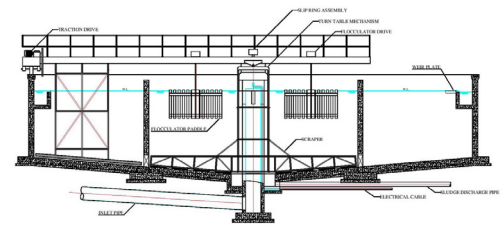
- Capacity- as required
- Shape-Rectangular/circular
- walkway bridge mounting- end to end & center pier
- Walkway bridges-half & full
- Material of construction-MSEP/SS304, SS316 (other on demand)
- Size- 8m to 60m
- RPM-0.03
- Drive-DH, CM / Turn table



Clarifier



Sludge Thickner



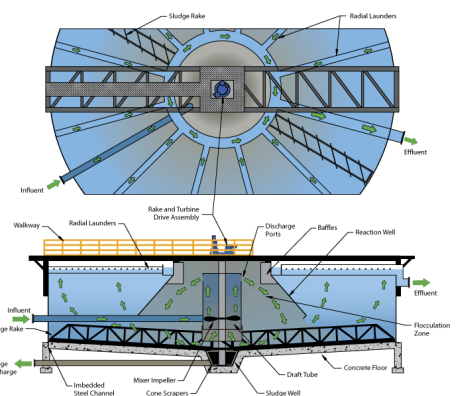
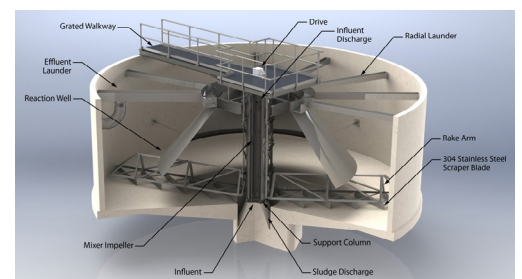
Clariflocculator

B. High Rate Solid Contact Clarifier (HRSCC)

It is one type of clarifier. In HRSCC coagulants and the re-circulating sludge is mixed thoroughly in intimate contact for a long time in the cone sections of the clarifier. Influent from equalization tank is pumped to HSRCC. In HRSCC coagulant and poly is dosed, for proper suspended solids removal efficiency. Lime and dolomite can also be dosed for silica and hardness removal. Sludge from HRSCC is removed in sludge holding tank and further dewatered in dewatering system.

Features:

- Capacity- as required
- Shape-circular
- walkway bridge mounting-end to end & center pier
- Walkway bridges-half & full
- Material of construction- MSEP/SS304, SS316 (other on demand)
- Size- 8m to 60m
- Impeller RPM-3-8
- Scraper RPM-0.03
- Drive-Dual drive



High Rate Solid Contact Clarifier

C. Tube Settler/Lamella Clarifier

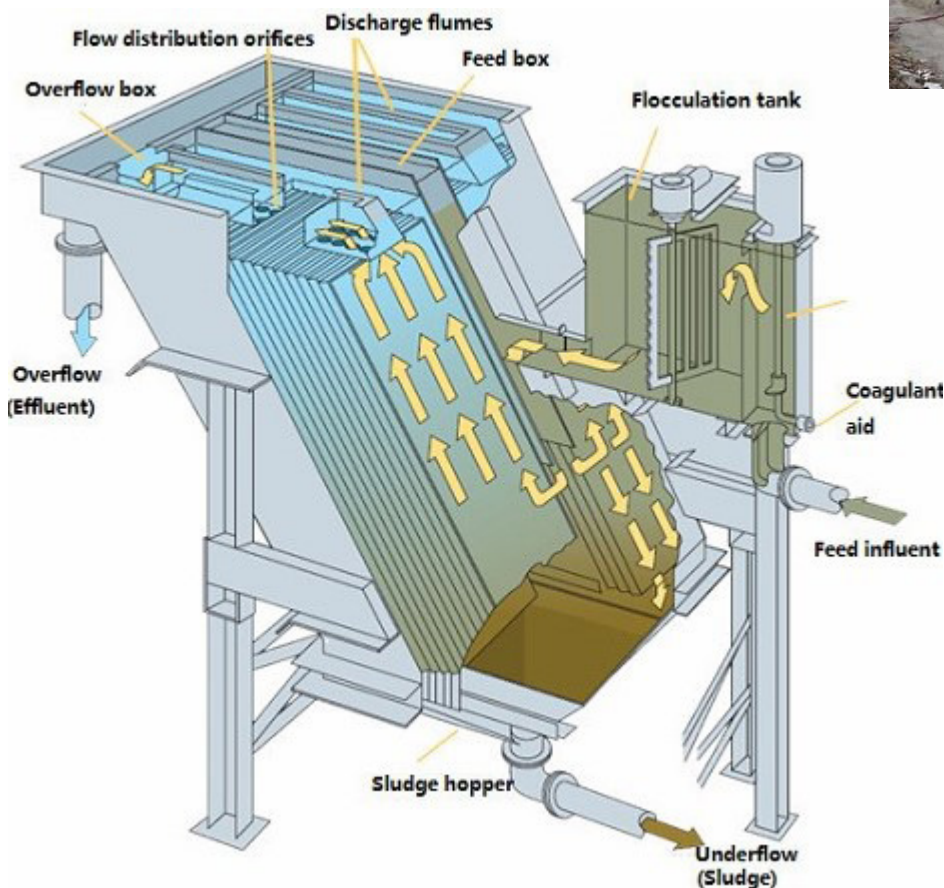
It is a compact inclined plate type clarifier. Clarification of water, wastewater or liquid having suspended solids and colloidal particles can be clarified using lamella clarifier/Tube settler. To provide a large projected area like clarifier lamella clarifier is used which is based on the principle of settling heavier particles under gravity, providing a number of inclined plates.

Stacks of parallel tubes, rectangular or flat pieces separated by a few inches and sloping vertical in the direction of flow are used in order to increase the efficiency of tube settlers.



Features:

- Capacity- as required
- Tube/plate angle-55-60 deg.
- Scraper speed--0.03 m/s
- Shape-Rectangular/conical
- Size- depends on data
- Material of construction-MSEP/SS304, SS316 (other on demand)



Lamella Clarifier

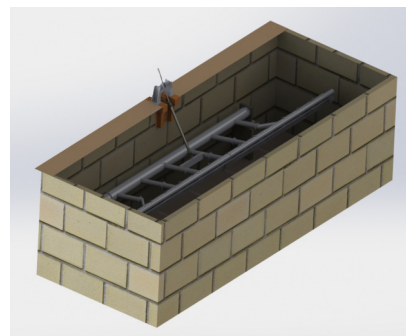
A. SBR Decanter

The Sequential Batch Reactor (SBR):- is an activated sludge process designed to operate under sequences of various phases of biological treatment where aeration and sludge settlement both occurring in the same tank.

The SBR design is a fill and draw type activated sludge process where individual reactors are filled one by one to perform five discrete operations in sequence i.e. Anoxic or oxic fill, React, Settle, Decant and Idle/Waste sludge.

Features:

- Capacity- up to 220 MLD
- Type- Motorised/floating
- Size- 100 NB to 700 NB
- No of decanter in one chamber-01 No.
- Material of construction-SS304, SS316 (other on demand)



SBR Decanter

B. Surface Aerators

Surface aerators are very useful for municipal sewage & industrial wastewater plants to fulfill the required amount of oxygen. WTT offers the both slow speed fixed aerators & slow speed moving aerators.

Features:

- Capacity- up to 1.8 kg/HP-hr.
- Type- Fixed / floating
- Material of construction-MSEP / SS304, SS316 (other on demand)



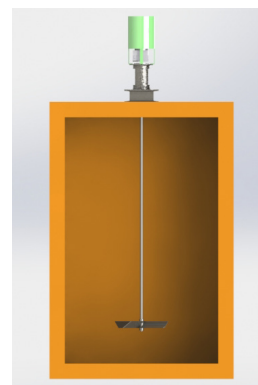
Surface Aerators

C. Agitator / Flash Mixer

Agitator/flash mixer is a motorised mixing equipment which is used for the mixing of chemical in chemical, flocculation or digester chamber.

Features:

- Capacity- as required
- RPM-as required
- Type- One end Fixed / both end fixed
- Material of construction-MSEP / SS304, SS316 (other on demand)



Agitator

TERTIARY TREATMENT

Filteration Process

A. Disk Filter

Disc filter is a machine designed for the micro filtration of wastewater, used in the final phase of their treatment. It is a machine designed to obtain high separation efficiency, with a very fine stainless steel filter cloth with a filtering aperture of 10 μm .

This is very suitable for wastewater, potable water etc.

This micro filter (disk filter) would be installed after secondary treatment.

Features:

- Capacity- 25 m³/hr.
- Discharge quality-TSS \leq 5 mg/l
- Efficiency-excellent
- Type- up to 16 disk
- Maintenance-very low
- Space required-very less
- Material of construction- SS304, SS316 (other on demand)



Disk Filter With Wire Mesh

B. Activated Carbon Filter (ACF)

Treated water will be transferred to the activated carbon filter. Activated carbon filter consists of a vertical pressure vessel fitted with a set of frontal pipe and valves, different type of filtration media will be supported by layers of a bed consisting of pebbles and gravels with a distributor at top to distribute the incoming water across the filter and an underdrain system for the collection of filtered water. ACF is a pressurized filter with backwash arrangement.

Features:

- Capacity- up to 100KLPH (larger on demand)
- Vessel dia.-1500-2600 mm (MSEP)
- Vessel dia.-less than 1500 mm (FRP)
- Shape-circular
- Vessel height-1800-2000 mm
- Plate thk-6-12mm
- Material of construction-MSEP/FRP (other on demand)



Activated Carbon Filter (FRP-MSEP)

C. Dual Media Filter (DMF)

Treated water or effluent from the treated water tank is feed to DMF. Dual Media Filter (DMF) is ideal for filtration of water having very fine suspended matter like mud, dust particles and biological growth.

DMF is a vessel constructed of welded mild steel and provided with manhole with cover/top and bottom flanged covers, supports, raw water distributor, underdrain collection and backwash water jet system.

Treated water flows downwards through the filter bed, and the turbidity and suspended matter are retained on the sand surface. Filtered water is collected by an underdrain system in the bottom of the vessel and flows through the outlet to service. Resistance is experienced when a water of normal flow rate passes through the passage.

Cleaning of filter bed is effected by passing a reverse upward flow of water through the filter for approximately 3 to 5 minutes.

Features:

- Capacity- up to 100KLPH (larger on demand)
- Vessel dia.-less than 1500 mm (FRP)
- Material of construction-MSEP/FRP (other on demand)
- Shape-circular
- Vessel dia.-1500-2600 mm (MSEP)
- Vessel ight-1800-2000 mm
- Plate thk-6-12mm



Dual Media Filter (FRP-MSEP)

D. Pressure Sand Filter (PSF)

The Pressure Sand Filter consists of a multiple layer of sand with a variety in size and specific gravity.

These Filters are designed to remove turbidity and suspended particles present in the feed water with minimum pressure drop.

The Pressure sand filter consists of a pressure vessel either vertical or horizontal, with a set of pipe work and valves, graded silica quartz sand supported by layers of graded under bed consisting of pebbles and gravels, and a top distributor to distribute the incoming water uniformly throughout the cross section of the filter, also an under drain system to uniformly collect the filtered water.



Pressure Sand Filter (FRP-MSEP)

■ Features:

- Capacity- up to 100KLPH (larger on demand)
- Vessel dia.-1500-2600 mm (MSEP)
- Vessel dia.-less than 1500 mm (FRP)
- Vessel height-1800-2000 mm
- Material of construction-MSEP/FRP (other on demand)
- Plate thk-6-12mm
- Shape-circular

E. Multi Grade Filter (MGF)

- Multi grade filter is a depth filter that makes use of coarse and fine media mixed together in a fixed proportion. The arrangement produces a filter bed with adequate pore dimensions for retaining both large and small suspended particles. The filter performs at a substantially higher specific flow rate than conventional filters.

■ Features:

- Capacity- up to 100KLPH (larger on demand)
- Vessel dia.-1500-2600 mm (MSEP)
- Vessel dia.-less than 1500 mm (FRP)
- Material of construction-MSEP/FRP (other on demand)
- Shape-circular
- Plate thk-6-12mm
- Vessel height-1800-2000 mm



Multi Grade Filter (FRP-MSEP)

MEMBRANE TDS REDUCTION/INDUSTRIAL RO

A. UF/NF/RO

- Membrane based TDS reduction process is used to treat the varied wastes including sewage, organic and inorganic matter and water soluble oil wastes from the manufacturing industries and metal industries. There are numerous membrane technologies available which filter out different particle sizes such as Multi Filtration (MF), Ultrafiltration (UF), Nano filtration (NF), Reverse Osmosis (RO), and Forward Osmosis (FO). Generally UF, NF, and RO are most used in water treatment process.

■ Features:

- Type of process-Pore size
- Ultra-filtration (UF)-0.01 to 0.1 micron
- Nano-filtration (NF) -0.001 to 0.01 micron
- Reverse Osmosis (RO)-0.0001 to 0.001 micron



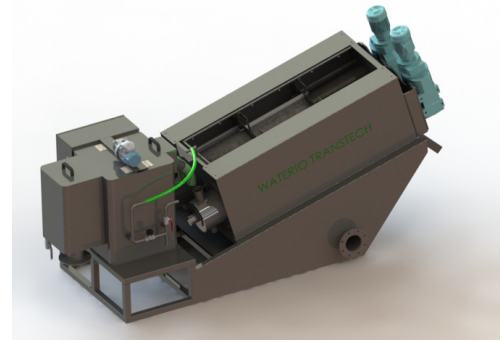
Industrial RO

A. Screw Sludge Dewatering Press

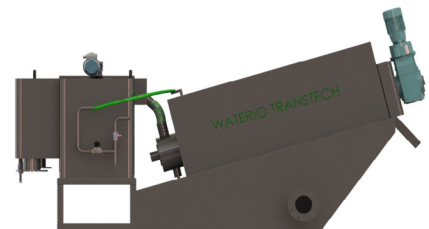
■ Sludge Dewatering Press is a machine which is used for thickening and dewatering sludge. They represent a viable alternative to machines currently in use and have been designed to achieve high levels of thickening and dewatering, combined with a reduction in energy costs and maintenance. Dewatered sludge screwed/conveyed to the sludge dryer(s).

■ Features:

- Capacity(flow)- 1.5 m³/hr to 75 m³/hr(larger on request)
- Dry Sludge-15kg/hr to 750kg/hr
- Min. Sludge Concentration-10 gm/Ltr.(1%)
- Type- Single Screw, Double Screw & Tripple Screw
- Moisture-Less than 80%
- Material of construction- SS304, SS316 (other on demand)



Screw Sludge Dewatering Press (Dubble Screw)



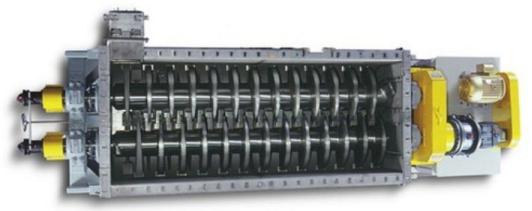
Screw Sludge Dewatering Press (Single Screw)

B. Paddle Dryer

■ Paddle Dryer is a machine which is used to dry the dewatered sludge(80% moisture to 30-40 % moisture) for the reducing the valume of the dewatered sludge. We use two types of heat source of energy one is thermic fluid & other one is steam. This is very efficient and usefull for the sludge treatment process.

■ Features:

- Capacity(flow)- 100kg/hr to 2100 kg/hr (larger on request)
- Type- oil & steam
- Moisture-less than 40%
- Material of construction- carbon steel, SS304, SS316 (other on demand)



Paddle Dryer

A. Slide Gate / Sluice Gate

These are the vertically sliding gates which are used to isolate/control the water flow from the chamber/ in the chamber. These are used for the various types of water head applications like Seating, Unseating and weir. Which can be operated manually, electrically, pneumatically hydraulically as per client demand.

Features:

- Mounting-wall mounted/ thimble mounted (as suitable)
- Sizes-200x200 up to as required
- Sealing-Metal to Metal & Metal to non metal
- Water heads-up to 35mm
- Material of construction- SS304, SS316,Alu (other on demand)



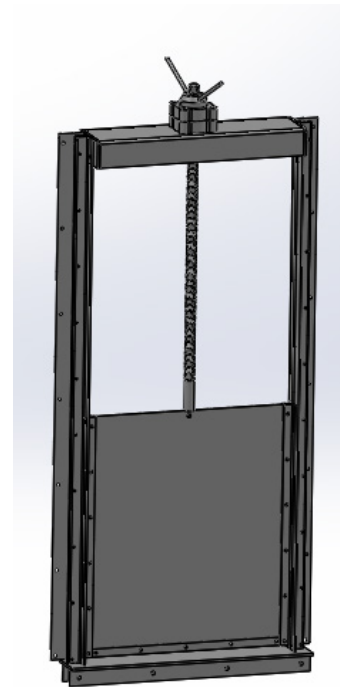
Sluice Gate
(Auto Operated)

B. Open Channel Gates

These are the vertically sliding gates which are used to isolate/control the water flow through the open channel/in the chamber. Which are mounted between two parallel walls of open channel or at the end of the channel to control the flow from the chamber. These are the various types of water head applications like Seating, Unseating Which can be operated manually, electrically, pneumatically hydraulically as per client demand.

Features:

- Mounting-wall mounted/ channel mounted (as suitable)
- Sizes-200x200 up to as required
- Water heads-till door depth (seating/unseating)
- Sealing-Metal to Metal & Metal to non metal
- Material of construction- SS304, SS316,Alu (other on demand)



Open Channel Gate
(Manual Operated)

A. Knife Gate Valves

■ Knife Gate valves are mainly used for on-off and isolation services in systems with high content of suspended solids. Knife gates are especially beneficial for handling slurry in addition to viscous, corrosive and abrasive media. The valves have a minimised pressure drop in fully open position, they are ease to actuate, they have a relatively low weight and are cost effective.

■ Features:

- Sizes- DN 50 (2") upto DN 1500 (60").
- Pressure rating- PN 3 (45 PSI) to PN 10 (150 PSI)
- Body type- bonnetted/ non bonnetted
- Operating- Manual, geared operated, Electric, Pneumatic, Hydraulic.
- Seat- Metal seated/Resilient seated
- Stem- Rising/Non Rising
- Dirrection- Unidirrectional/ Bidirrectional
- Material of construction-DI / SS304, SS316 (other on request)



Knife Gate Valve
(Manual Operated)



Knife Gate Valve (Manual & Auto Operated)

A. Packaged STP Plant

- We design and manufacture Packaged Sewage Treatment Plants with premium quality raw materials and upgraded technologies under the supervision of the experienced professionals.

The Packaged STP is designed to bring the treated sewage parameters (BOD, COD, TSS, TN etc.) below the permissible limit which is stipulated by the Pollution Control Board. MBBR technology is used in this system.

■ Features:

- Capacity range-2KLD to 500KLD
- Size-as per effluent data (BOD, COD, TSS, TN etc)
- Air blowers-required as per BOD & COD
- Oil & Grease removing basin-yes
- Material of construction- MSEP, SS (other on demand)
- Chemical dosing system-yes
- Permeate-as per PCB
- Head loss-very less



Packaged STP Plant (MSEP)

B. Packaged ETP Plant

- Effluent is generated in many manufacturing industries like textile, pharmaceuticals and chemicals, tanneries etc. Contaminated water can not be released without treatment as it contains toxic and non-toxic chemicals. Releasing it may cause contamination of the existing pure water and will affect the environment. As a result ETP's are installed in most manufacturing industries

The Effluent treatment plants (ETP) are used for the removal of high amounts of organic compounds, debris, dirt, grit, pollution, toxic, non-toxic materials and polymers etc. from industrial effluent. The ETP plants use evaporation and drying methods and other auxiliary techniques such as centrifuging, filtration, incineration for chemical processing and effluent treatment..

■ Features:

- Capacity range-2KLD to 500KLD
- Size-as per effluent data (BOD, COD, TSS, TN etc)
- Air blowers-required as per BOD & COD
- Material of construction- MSEP, SS (other on demand)
- Head loss-very less
- Permeate-as per PCB
- Chemical dosing system-yes
- Oil & Grease removing basin-optional



Packaged ETP Plant (MSEP)

C. OIL & Grease Skimmer

■ We manufacture and supply the Oil & Grease skimmer systems for the removing of oil & grease from the wastewater at the primary level of the processes. Belt skimmers lift and remove unwanted floating tramp oils from the surface of metalworking coolants, parts washing machines, pressure spray operations, oil leakage pits, wastewater, and water treatment tanks, pits, sumps and wells.

These require no pumps. These are selective skimmers that give you almost oil only with very little water to deal with. Chain & Scrapper skimmers scraps and remove unwanted floating tramp oils from the surface of the wastewater & scrapped to the oil & grease discharge basin.



Oil & Grease Skimmer (MSEP)

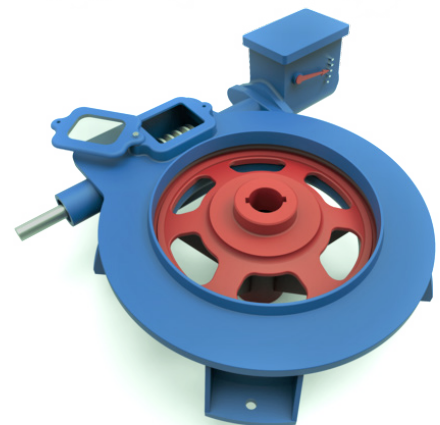
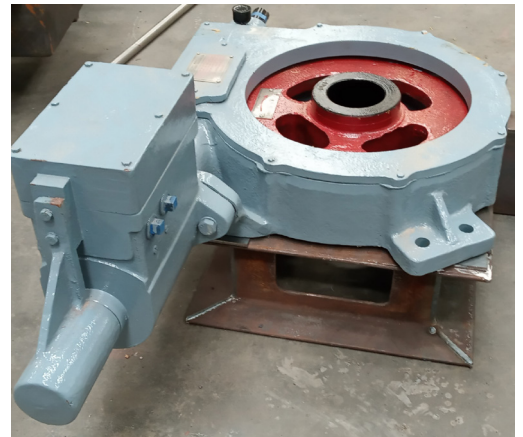
D. Drive Heads

■ The drive head is the heart of the Thickener & Clarifier mechanism. Sedimentation drive generally operates at a relatively low value of output torque in a well-operated installation. As long as the solids input equals the solids output from the mechanism, torque will begin to climb and the alarm on the drive control will actuate to warn the operator to take corrective action.

There are three types of drives which are mostly used in wastewater industries. Which are Bridge mounted, Turn table(center pier mounted) and Center drive mechanism. We at Waterio supply and manufacture these all types of drive heads.

■ Features:

- Mounting-Bridge mounted, Center pier mounted
- Power-as required
- Chamber type-Circular
- Scraper mounting-Vertical shaft/Centre cage
- RPM-as per request
- Plane bearing-Bronze
- Gear and housing material-Cast Iron(others on request)



Drive Head With Overloading Mechanism

A. Storage Tank

■ We manufacture, Waste water tanks can be installed in any number of commercial or industrial application processes. These tanks are designed first by understanding the waste stream, the using the carbon steel or stainless steel with the best compatibility. These tanks can be above ground or under ground, and fabricated from an array of steel tank standards.

■ Features:

- Type-above Ground/Under Ground
- Size-as required
- Standard-as per applications
- Storing material-as per client
- Material-Carbon Steel, SS (others on request)



Storage Tank (MSEP)

B. Heat Exchanger

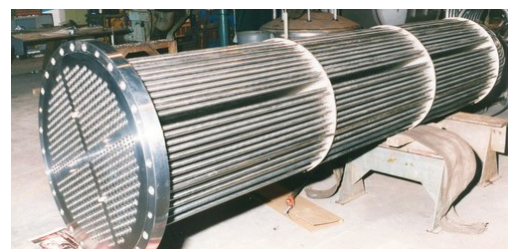
■ We manufacture, Heat exchanger is a system used to transfer heat between two or more fluids. Heat exchangers are used in both cooling and heating processes. The fluids may be separated by a solid wall to prevent mixing or they may be in direct contact. They are widely used in space heating, refrigeration, air conditioning, power stations, chemical plants, petrochemical plants, petroleum refineries, natural-gas processing, and sewage treatment.

■ Features:

- Type-Vertical/Horizontal
- Size-as required
- Standard-as per applications
- Heating medium-Steam
- Material- SS (others on request)



Heat Exchanger (Horizontal Tube)



Heat Exchanger (Vertical Tube)



A brief Introduction

We are one of the leading companies indulged in providing a wide range of industrial Water/wastewater equipment and services. Our company is known for providing high quality as well as affordable solutions.

We, at WTT, completely understand the significance of scarcity. We have a team of Professionals who are very keen towards product quality and required latest technology for our product.

OUR CLIENTS



DABUR



GUJARAT WATER SUPPLY AND SEWER BOARD



MP-JAL-NIGAM



SUBHARTI UNIVERSITY



SHAHI



THE MALT COMPANY(INDIA) PVT. LTD.



SIDDHARTH UNIVERSITY KAPILVASTU



MAHARASTRA WATER AND SANITATION



PHED HARYANA



UTTAR PRADESH JAL NIGAM



SUTLEJ_TEXTILES AND INDUSTRIES

OUR PASSIONATE TEAM

Our qualified, experienced and dedicated Waterio family are very passionate to fulfill all needs and requirements of our valuable customers. We all are very keen towards quality products and best solutions for our customers. We research, design, develop and manufacture all the water and wastewater equipments.



CLIENTS REVIEWS



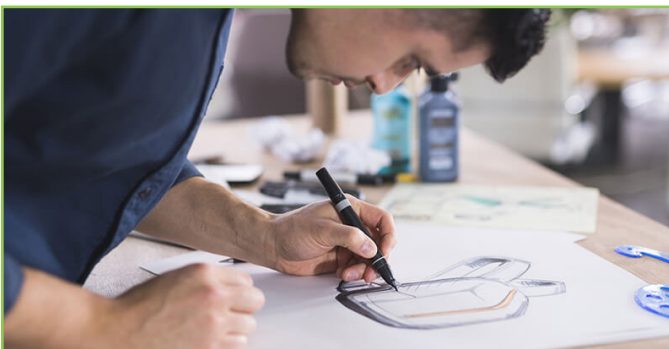
Product Quality

They are very committed & careful towards products qualities **"Niya Nand"**



Services

They do what they committed **"Mobin khan"**



Best Design

Waterio is known for their dedicated & passionated team **"Anil shangwan"**



Nature

They are very cooperative and helpful nature **"Sunil Vishwakarma"**



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