



UNIVERSAL TECH TRADE PVT. LTD.



wilo

Mather+Platt

Roto pumps

AN ISO 9001:2008 CERTIFIED COMPANY
Water Treatment Plants & Equipments

www.universaltechtrade.com

About US

Inception in 2010, We Universal Tech Trade Pvt. Ltd. an ISO Certified Company, established ourselves as a prominent and reliable firm of the authorised dealer of wilo mather & platt pumps and roto pumps wholesaler, trader, retailer, manufacturer and service provider an extensive assortment of Waste Water Treatments Equipments, Waste Water Treatment Plants, Industrial Pumps, Pumps Repairing Services etc. Offered products are manufactured from high-grade components with following industry standards. Our offered products are highly admired by the patrons for their high performance, easy to use, long service life and excellent finishing standards.

Vision

Company vision is to provide Complete Water Solutions by engineering and integrating our technology and be a leader & provide unparalleled quality engineering solutions and services to our clients across India & the globe in the areas of Water, Energy & Environment



Technology

Sewage treatment is the process of removing contaminants from wastewater and household sewage, both runoff (effluents) and domestic. It includes physical, chemical, and biological processes to remove physical, chemical and biological contaminants. Its objective is to produce an environmentally safe fluid waste stream (or treated effluent) and a solid waste (or treated sludge) suitable for disposal or reuse (usually as farm fertilizer). Using advanced technology it is now possible to re-use sewage effluent for drinking water, although Singapore is the only country to implement such technology on a production scale in its production of NEWater.

- ◆ E.A. (Extended Aeration)
- ◆ SAFF (Submerged Aeration Fixed Film)
- ◆ SBR (Sequential Batch Reactor)
- ◆ MBBR (Moving Bed Bio Reactor)
- ◆ MBR (Membrane Bio Reactor)

Quality

Universal tech trade will strive towards eliminating quality losses to the society by continually implementing new technology and providing value added services in the field of water treatment industry. This will be achieved by providing an agile management system of product and technology between universaltechtrade pvt. ltd and our clients.



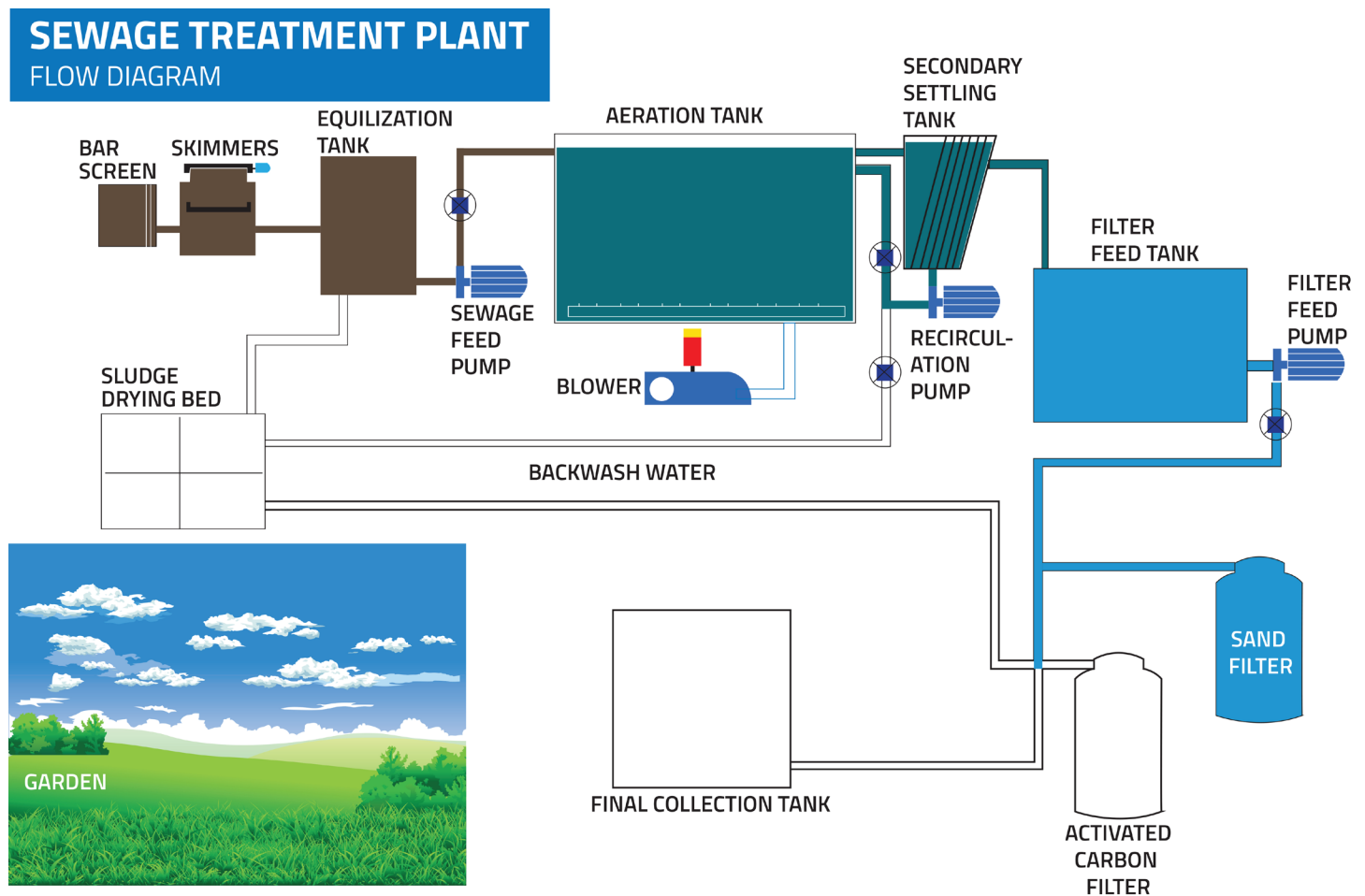
Our Products

In a world of rapidly changing technologies and an increasing demand of low maintenance simple operation plants, we offer to industry our pre-engineered shop-tested plants for all water treatment needs. Technologies like filtration, ion exchange, Reverse Osmosis, disinfection and ultra filtration are used to select the right process for your quality needs.

We are developing a state-of-art assembly center at Noida Industrial Area, spread across land of area to facilitate Assembly, Inspection and testing of our Pre-engineered Plants prior to dipatch, with the simple objective of faster delivery of Quality Products. UTTPPL range of Pre-engineered Plants include:

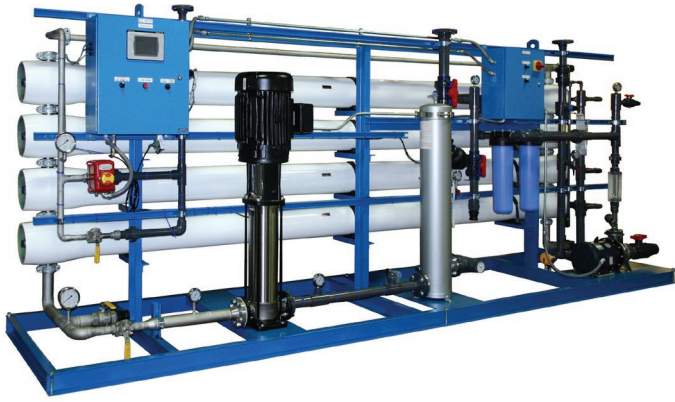
- Reverse Osmosis System for Process & Drinking Water Softener Plants Mix Bed Plants Mineral Water Plants.
- Effluent / Sewage Treatment Plants Derrninalisation Plants Conventional Pressure Filters, Iron Removable Filters.
- Hydro Pneumatic Pressure Boosting Systems Water Treatment Plants. Industrial r.o

All the above range is complete-with associated pipe & fittings pumps, motors, instruments and electrical parts just plug and play Although these plants are standardized and optimized we offer our valued customer choice for selection of key components based on their previous experience a unique feature from universal tech trade .



WATER & WASTE WATER TREATMENT PLANT

REVERSE OSMOSIS PLANT



A reverse osmosis plant is a manufacturing plant where the process of reverse osmosis takes place. An average modern reverse osmosis plant needs six kilowatt-hours of electricity to desalinate one cubic metre of water. The process also results in an amount of salty briny waste. The challenge for these plants is to find ways to reduce energy consumption, use sustainable energy sources, improve the process of desalination and to innovate in the area of waste management to deal with the waste.

FILTERS



MULTIGRADE SAND FILTER

The Multigrade Sand Filter is a depth filter that makes use of coarse and fine media mixed together in a fixed proportion.

ACTIVATED CARBON FILTER

Activated carbon filtration can effectively reduce certain organic compounds and chlorine in drinking water.

SOFTENER

Water softening is the removal of calcium, magnesium, and certain other metal cations in hard water.

UF (ULTRA FILTRATION)



Ultrafiltration (UF) is a type of membrane filtration in which hydrostatic pressure forces a liquid against a semipermeable membrane. A semipermeable membrane is a thin layer of material capable of separating substances when a driving force is applied across the membrane. Once considered a viable technology only for desalination, membrane processes are increasingly employed for removal of bacteria and other microorganisms, particulate material, and natural organic material, which can impart color, tastes, and odors to the water and react with disinfectants to form disinfection byproducts (DBP).

SEWAGE TREATMENT PLANT



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EFFLUENT TREATMENT PLANT

Our Effluent treatment Plants provide effective solutions to effluent odor control, BOD reduction, aeration, clarification, phosphorous and nitrogen removal and more. Our process experts work with the design team to learn the various factors that contribute to a plant's design, including effluent requirements, land availability, energy, labor and disposal costs.

We then apply our extensive process knowledge and product expertise, analyzing the efficiency of each process, their interaction with other components, while optimizing the overall efficiency of the entire system from start to finish



NEED OF ETP

- Water is basic necessity of life used for many purposes one of which is industrial use.
- Industries generally take water from rivers or lakes but they have to pay heavy taxes for that.
- So it's necessary for them to recycle that to reduce cost and also conserve it.
- Main function of our ETP is to clean industry effluent and recycle it for further use.

WASTE WATER TREATMENT EQUIPMENT



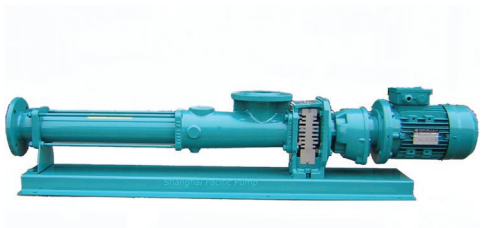
POLYPROPYLENE FILTER PRESS

(Sizes - 12" - 30" Manual & Hydraulic Type)

MAKE: UNIVERSAL

Model	Plate Detail			Cake Holding Cap.	Filtration Area	Operating Pre. Bar	Tightening Mechanism
	Size	No.	MOC				
UTFP-12X12	12"x12"	11	PP	24 Ltrs.	1.62 M2	3.0 - 4.0	Manual/Hydraulic
UTFP-18X18	18"x18"	17	PP	120 Ltrs.	6.20 M2	4.0 - 5.0	Manual/Hydraulic
UTFP- 18x24	18"x18"	23	PP	160 Ltrs.	8.26 M2	4.0 - 5.0	Manual/Hydraulic
UTFP- 24x24	24"x24"	23	PP	290 Ltrs.	15.59 M2	4.0 - 5.0	Manual/Hydraulic
UTFP-30x30	30"x30"	29	PP	530 Ltrs.	31.10 M2	5.0 - 6.0	Manual/Hydraulic

SCREW PUMP



PROGRESSIVE CAVITY (Screw) PUMPS

FLOW RANGE : UP TO 100M3/H

HOUSING : CI (IS 210FG 220)

ROTOR : SS -AISI 316/410

SHAFT : SS -AISI 316/410

STATOR : Nitrile Black

MAKE: Roto

WATER & WASTE WATER PUMPS



Horizontal/Vertical Multistage Pump : MOC - SS 304/SS 316

Flow Range : Up to 180 M3/h

Head : Up to 240 Meter

Sewage/ Drainage Pump :

MOC - CI Impeller/Body & SS Shaft/ Solid - Up to 100MM

MAKE: Wilo / Leo / Kirloskar

UV SYSTEM



APPLICATION : Clear Water & Waste Water Treatment

UV Lamp Type : Low pressure, high-performance quartz lamps

RECOMMENDED UV LAMP LIFE : Up to 8500 Hours.

BALLAST : Matched high frequency electronic ballasts.

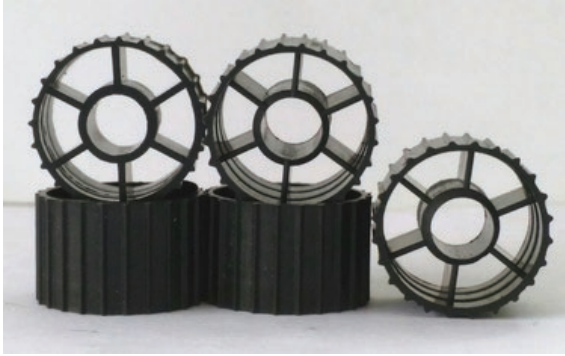
INPUT POWER : 230-240V AC, 50-60 Hz.

UV CHAMBER : Electro-polished SS316L

LAMP FAIL ALARM : Audiovisual

MAKE : SUKRUT / UNIVERSAL

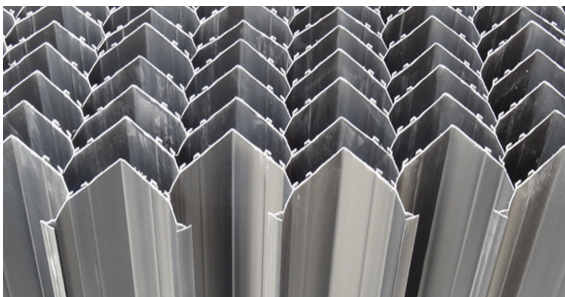
FAB(MBBR) MEDIA



FAB(MBBR) MEDIA

SIZE : 20MMX25MM & 16MM x 22MM
TYPE OF MEDIA : FLUIDIZED RANDOM BIO MEDIA
COLOUR : BLACK
MEDIA HEIGHT : 20MM / 16MM
MEDIA DIA METER : 25MM / 22MM
MOC OF MEDIA : PP
SPECIFIC DENSITY : 0.90-0.97gms/Cm³
MAKE : UNIVERSAL

TUBE SETTLER MEDIA



PLAN SETTLING AREA OF MEDIA : 60' SLOPE - 11.0M²/M³
CROSS SECTIONAL SIZE: 120MM X 44MM
SHAPE : HEXAGONAL CHEVRON
MOC OF MEDIA : PVC
THICKNESS : 1MM (Approx)
FITTING ARRANGEMENT : TONGUE & GROOVE
MAX. CONTINUOUS OPERATION : 55°C
COLOUR : BLACK
SIZE: 450MM/750MM/1000MM
MAKE : UNIVERSAL

CORSE BUBBLE DIFFUSERS(EPDM/SILICON)



MODEL	CBD-80	CBD-150
SHAPE	DISC	DISC
BUBBLE SIZE	4- 5 MM	6-8 MM
NO. OF DISCHARGE PORTS	10	8
AIR FLOW	1-5 M ³	4-10 M ³
END SUCTION	3/4" BSP	1" BSP
MAKE :	UNIVERSAL	

FINE BUBBLE DIFFUSERS- EPDM/SILICON



MODEL	LENGTH	AIR FLOW	CONNECTION SIZE
FBD 63X610	610 MM	2.0-5.5 M ³	3/4" BSP
FBD 63X1000	1000 MM	3.0-9.0 M ³	3/4" BSP
FBD 90X1000	1000 MM	5.0-12 M ³	1" BSP
MAKE :	UNIVERSAL		



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