

NANO DIGESTOR

The most effective, Compact Automatic Sewage Treatment Plant



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The NANO DIGESTORS operate on Sequential Batch Reactor process. The SBR process is a Fill & Draw, Variable State, Activated Sludge Process where all the operations of Equalization, Aeration, and Sedimentation happens in a single tank or basin, in a time sequence rather than space sequence. The upgraded SBR process also removes nutrients from the waste water.

QUALICOM The Quality Experience

Qualicom specializes in Environment Engineering and Water Resource Management.

For last more than 15 years, Qualicom has been innovating highly optimized solutions in Raw Water Treatment, Effluent Treatment and Recycle and Zero Liquid Discharge to Industrial and Commercial Institutions, Defence Establishments, Municipalities and Urban communities.

Qualicom integrates extensive range of technologies with design, engineering and project management capabilities to offer end to end solutions to the promoters and end users as also the consultant fraternity.

Qualicom has knowledge partners in various eminent institutes of India as well as cooperation tie ups with major global technology providers.

In Qualicom, we believe in building an environment of Sustainable and Inclusive growth.





MSFRP UNIT



FRP UNIT

Unique Features of Nano Digester

- ✓ Based on SBR technology – Best suited for unsteady flow.
- ✓ Most Compact design in the Industry.
- ✓ Effectively reduces nutrients like N P K besides removal of BOD & COD.
- ✓ No pumping required, works on airlift technology.
- ✓ Existing Septic tanks can be upgraded - little additional space & civil required.
- ✓ Fully automated operation and control. No operator required.
- ✓ Installation can be completely underground, below driveways, garages etc.
- ✓ The minimum desludging interval is one year.
- ✓ No chemical requirement for treatment.
- ✓ Very low power consumption.
- ✓ The most silent STP – very low Noise generated by the system.
- ✓ No foul smell or odour.
- ✓ Minimum maintenance due to minimum moving parts.
- ✓ The treated water can be used in gardening, flushing etc after passing it through Tertiary Treatment Plant.

DESIGN BASIS

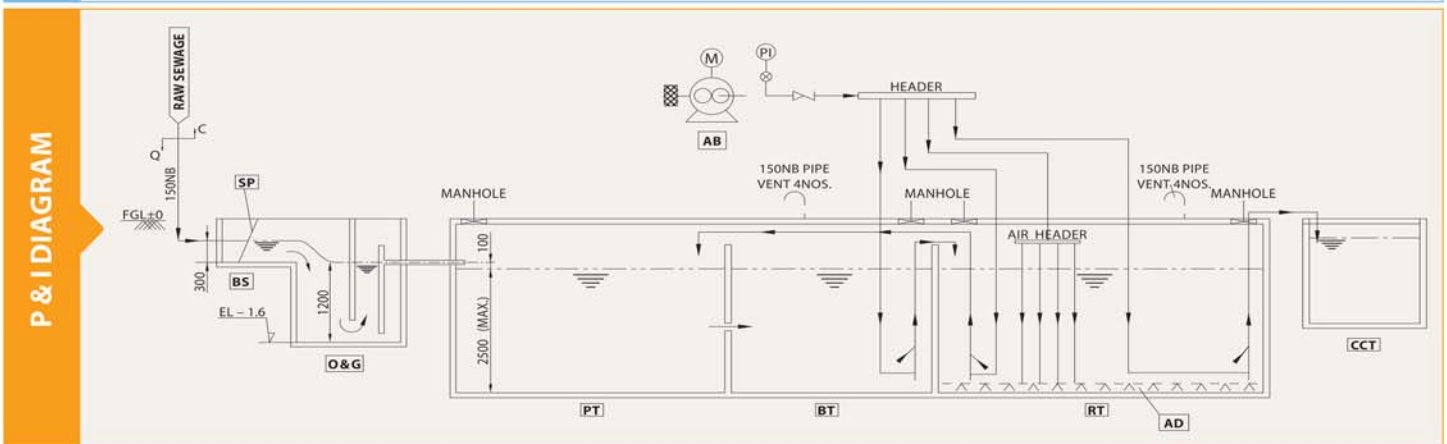
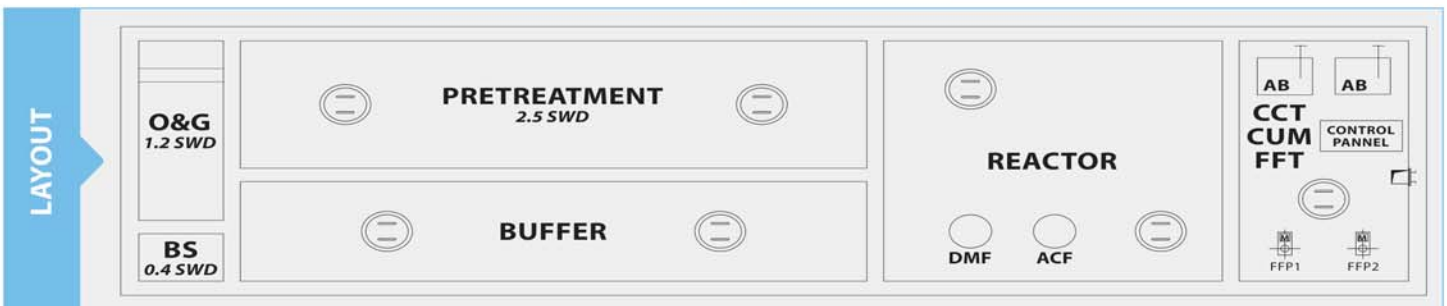
Parameter	Unit	Raw Sewage	Treated Water Without TTP	Treated Water With TTP
pH	-	6.5-7.5	6.5-7.5	6.5-7.5
BOD less than (<)	ppm	300	20	10
COD less than (<)	ppm	600	100	50
O & G less than (<)	ppm	50	10	10
TSS less than (<)	ppm	400	100	10

SEWAGE GENERATION PATTERN

Domestic	House, Apartment, Colony, Society etc.	135 ltrs/ person/ day
Commercial	Schools, Institutes, malls, Office, IT Park etc.	15-70 ltrs/ person/ day
Hospitality	Restaurant, Hotel etc.	35-100 ltrs/ seat/ room/ day
Hospitals	Hospitals	200-400 ltrs/ Bed/ day 35-40 ltrs/ Out Patient/ day

FLEXIBILITY OF THE PRODUCT

CAPACITY	1 to 100 KLD.
INSTALLATION OPTIONS	Over ground, Under Ground, Basement and Containerized.
TREATED WATER	Drainable / Reusable as per PCB norms.
MOC Tank	FRP upto 10 kld (1 kld, 2.5 kld, 5 kld, 10 kld). Balance all are in civil option or multiple of 10 kld FRP.



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