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Livestock Farm

WASTEWATER TREATMENT SYSTEM





Livestock Farm

Wastewater Treatment System



Models

| Model | Treatment Capacity (m ³ /day) | Flow Rate (Liters/hour) |
|-----------------|--|-------------------------|
| RT ECO LSF-20 | 20 | 850 |
| RT ECO LSF-40 | 40 | 1,700 |
| RT ECO LSF-100 | 100 | 4,200 |
| RT ECO LSF-250 | 250 | 10,500 |
| RT ECO LSF-600 | 600 | 25,000 |
| RT ECO LSF-1000 | 1000 | 42,000 |





RT ECO Livestock Farm WWT System treats and eliminate toxic pollutants - nitrogen, phosphorus, antibiotics, pathogenic bacteria and soluble organic matter and produces safe reusable treated water , hence solving the increasing pressure on farmers to treat their effluents.

RT ECO WWT System when commissioned in a livestock farm will improve profitability and adhere to environmental regulations, through chemical- and bacteria-free treatment process that produces odour-free, colour-free reclaimed water.

RT ECO electrochemical ETP is a plug and play, fully automatic system can achieve good treatment effect of animal farm wastewater containing various kinds of organic substances, feces and sandy soil pollutants.



Wastewater from livestock farms contains large amounts of nitrogen, phosphorus, antibiotics, and pathogenic bacteria and water soluble organic matter and are harmful to the environment. If not properly handled, it causes significant threat to surface and groundwater which would endanger our drinking water resource through groundwater pollution.

RT ECO electrochemical effluent treatment system comprises electro-coagulation as primary treatment and electro-oxidation as secondary treatment processes.

With **RT ECO System**, farm effluent of high organic load and odour is treated and discharged as reclaimed water suitable for reuse or for discharge complying with environmental regulations.



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LIVESTOCK FARM WATER

80%
PERCENT

FRESH WATER

CAN BE RECLAIMED FROM
FARM WASTEWATER
AND REUSED AGAIN



RECYCLE
REUSE
WATER





RT ECO, electrochemical effluent treatment systems are fully automatic, skid mounted, designed for continuous operation which converts effluent into reusable water.

Input - Output Parameters for RT ECO Livestock Farm Wastewater Treatment Plant

| Parameter | Wastewater (Raw Effluent) | Treated water |
|-----------|---------------------------|---------------|
| pH | 5.5 - 7.0 | 5.5 - 9.0 |
| COD | upto 7500 | ≤ 300 |
| SS | upto 3000 | ≤ 150 |

Unique Features

- Plug & play system
- Fully automated
- Instant start/stop operation
- Low foot print
- Low operating cost
- Requires low power
- No chemicals required
- Odour-free and noiseless operation
- Durable and non-corrosive components
- Suitable for remote locations
- Consistent and reliable results
- Odourless & colourless treated water
- High efficiency in COD, BOD, pollutant removal
- 100% disinfected treated water (bacteria-free water)
- Very low sludge generation
- Produces reusable water
- Meets environmental regulations

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Contact

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Dealers / Agents

