

LiqSure Systems Private Limited



Three types of demo systems are available for demonstration having treatment capacity of 8 Lt/hr, 50 Lt/hr, and 1000 Lt/hr. The demo units can be installed on site with per day pricing model. The higher capacity systems with treatment capacities of 80/160/240/320 Kiloliter/day would be made available upon customer requirement.

HYDROKAT

- Footprint: 1 m²
- Treating capacity: 8 Lt/hr
- Compact and Portable system.
- Controlled dosing provision.
- Retrofittable
- Easy to operate

HYDROMAX

- Footprint: 3 m²
- Treating capacity: 1000 Lt/hr
- Assembled on site
- Controlled dosing provision
- Extendable capacity
- Flexible treatment capacity
- Retrofittable
- Easy to operate

HYDROKEM

- Footprint: 2 m²
- Treating capacity: 50 Lt/hr
- Portable system
- Controlled dosing provision.
- Retrofittable
- Easy to operate



WASTE WATER TREATMENT FOR INDUSTRIAL APPLICATION

Get in touch today

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Our Venture

Industrial wastewater treatment is a burning problem today. Outdated technologies are used for the treatment which is not sufficient to clean the new generation complex chemicals. LiqSure systems Pvt Ltd is a technology driven organization which brings a new approach to solve this problem by providing innovative and cost-effective solutions for industrial wastewater treatment which works on the principle of cavitation.

Technology:

The system developed by LiqSure works on the principle of cavitation, where micro-bubbles are generated by the pressure difference. These micro-bubbles subsequently grow and collapse violently to release large amounts of energy, which kills the microorganisms and destroys organic chemicals present in the wastewater. It does not require any chemical, filter, or membrane to purify the wastewater. Only electricity is required to pump the wastewater through the developed system which makes it energy efficient and provides an economical solution for the treatment of industrial wastewater. Several industries including regional and multi-national are looking for solutions to change the current industrial wastewater scenario.



Features:

- Low footprint
- No secondary waste
- Easily Retrofittable
- Saves 30% of overall processing cost
- Works at any pH scale from 0-14
- No use of membranes and filters
- Low maintenance
- Faster treatment

Case Studies

The samples were treated with demo system in circulation. Table shows the difference between **Chemical Oxygen Demand (COD)** before and after the water treatment.



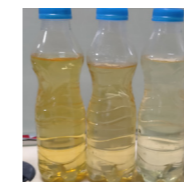
MIXED CETP EFFLUENT

Sample	COD mg/lt	% Reduction of COD
Initial Sample	53000	-----
Treated Sample	14000	74



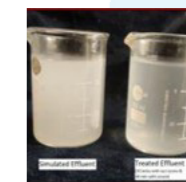
TEXTILE EFFLUENT

Sample	COD mg/lt	% Reduction of COD
Initial Sample	1508	-----
Treated Sample	155	89.72



PHARMACEUTICAL EFFLUENT (CONDENSATE)

Sample	COD mg/lt	% Reduction of COD
Initial Sample	52933	-----
Treated Sample	6520	87.68



ICE-CREAM WASTEWATER

Sample	COD mg/lt	% Reduction of COD
Initial Sample	6800	-----
Treated Sample	600	91.18



PERSONAL & HOMECARE MIXED WASTEWATER

Sample	COD mg/lt	% Reduction of COD
Initial Sample	4000	-----
Treated Sample	400	90.00



DISTILLERY WASTEWATER

Sample	COD mg/lt	% Reduction of COD
Initial Sample	6000	-----
Treated Sample	700	88.33



LiqSure Systems Pvt Ltd works in the area of Industrial wastewater treatment with the agenda of "NO TO CHEMICALS". The developed system works on the principle of cavitation where micro-bubbles are generated by pressure difference. These micro-bubbles subsequently grow and collapse violently to release large amounts of energy, which kills the microorganisms and destroys organic chemicals present in the wastewater. It doesn't require any chemical, filter or membrane to purify the wastewater. Only electricity is required to pump the wastewater through the developed system. This makes it energy efficient and provides an economical solution for the treatment of industrial wastewater. Several industries including regional and multi-national are connected to the LiqSure and looking ray of hope to change the current industrial wastewater. The commercial scale plant requires only 10 feet² space.