JMARK
SYSTEMS

Industrial Laminar Clarification

March 2023

J. Mark Advantages

- Guaranteed System Performance
  - In-house manufacturing and QC
  - 24/7 Remote Monitoring
  - Data Logging and Reporting
- Modularized Systems
  - On-time Delivery
  - Quick Install and Start-up
- One-stop Shop for all industrial water needs
- In-house financing and equipment leasing available

JMS

Laminar Clarification Systems

Laminar Clarification Systems – Features & Specs

Features:

- Fully Integrated skid mounted system with controls monitoring
- Space-saving design that takes up around 2/3 of the floor space a non-inclined clarifier takes up
- Large settling surface areas
- Robust design for performance, durability, and reliability in industrial applications
- Highly efficient design maximizes the equal distribution and balance of water through the settling plates for superior liquids/ solids separation
- Fiberglass plate pack
- Tnemec interior/exterior coating systems
- Stainless overflow components and hardware
- Equipped with WTRBOX proprietary remote monitoring and controls capability
- Shipped ready for install and start-up with minimal labor and minimal maintenance
- Standard sizes: 25, 50, 70, 100, 120 gpm units (custom sizes available upon request.
- No moving parts in settling area
- Made in the USA and UL approved

Specs:

- Projected plate surface area (@ 55° angle) = <.2 gpm per sq. ft. of projected surface area
- Design suspended solid removal = 600 milligrams per liter influent
- Liquids solids settling rate = 12 ft. per hour

Laminar Clarification Systems– Applications

AEROSPACE

ELECTRONICS

AUTOMOTIVE

POWER GENERATION

PETROCHEMICAL

FOOD AND BEVERAGE

PHARMACEUTICALS

Also used to treat:

- Groundwater
- Industrial process water
- Backwash from sand filter

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Case Study – Laminar Clarification System

The Problem: The #1 faucet brand in North America needed to comply with industrial wastewater discharge regulations.

J Mark Solution: A Cyanide Oxidation, Hex-Chromium Reduction, and Heavy Metal Hydroxide Precipitation System.

Case Study - MOEN

Project Specs:

- 200 gpm Copper, Nickel Hex-Chrome Removal System

- Metal Hydroxide Precipitation

- Laminar Flow Gravity Settling Clarification