



ABOUT US:

Nidhi Engineers has set the benchmark in the industrial domain as the best manufacturing unit since 2006. It is an ISO 9001:2015 Certified Company and is known to produce all types of basic appliances for the industrial purpose based on the process like Evaporation, Vacuum and Heat Transfer we have core expertise in ZLD system for effluent and customized product recovery through evaporation plant.

Nidhi Engineers work is situated at Bakrol Industrial Area & Office at Ahmedabad and having all basic manufacturing in house facilities like fabrication, machining, welding and testing.

We Design, Manufacture, Supply, Erection and Commission systems and provides customized solutions as per the client requirement.

Nidhi Engineers has completed many Projects across India We deal in Multiple Effect Evaporator (MEE-ZLD), ATFD (Agitated Thin Film Dryer), Product Recovery Plants, Stripper Systems, Sludge Dryer, Vacuum Ejector Systems, Crystallizer, vessels and Heat Exchangers.

Due to its phenomenal services, the company is familiar and has the strong presence in the industrial Segments of Chemical, Dyes & Intermediates, Pharmaceutical, Textile, Food color, Dairy, Castor Oil, Automobile Industries and more. Our range of products covers the need of turnkey based projects as well as the revamp services.



VISION

Applying new and improved tools and techniques to continuously improve our ability to deliver projects.



MISSION

We As a team wants to be benchmark of stabilizer in the area of economical and safe design, quality in production, timely delivery and Post services.



QUALITY POLICY

Nidhi Engineers is committed to provide products best in quality and services and having ISO 9001:2015 Certification for Quality Management System. We continuously improve our systems based on the self-inspection and daily base

TECHNOLOGIES



ZERO LIQUID DISCHARGE

- Multiple Effect Evaporator
- Green MEE
- Stripper System
- Agitated Thin Film Dryer (ATFD)
- ETP Sludge Dryer
- Nutch Filter
- Pusher Centrifuge
- Basket Centrifuge
- Crystallizer

EVAPORATION

- Falling Film Evaporator
- Forced Circulation Evaporator
- Combination (Falling+Forced-Circulation) Evaporator
- Multiple Effect Evaporator
- Thermal Vapor Recompressor-Evaporator
- Skid Mounted Evaporators
- Electric Evaporators



PRODUCT RECOVERY SYSTEMS

- Solvent Recovery Plant
- Caustic Recovery Plant
- Glycerine Recovery Plant
- Product Concentration



AIR POLLUTION CONTROL EQUIPMENT

- Dry Scrubber
- Wet Scrubber
- Air Filter
- Cyclones
- Mist Collectors



PROCESS EQUIPMENTS

- Heat Exchangers
- Barometric Condenser
- Vessels
- Tanks

SERVICES

- Plant revamping services
- Capacity expansion
- Operation and Maintenance Contract
- Performance calibration
- Erection and Commissioning Services
- Project Design Consultancy service
- Project Design Validation Services
- Engineering Procurement Consultancy

MULTIPLE EFFECT EVAPORATOR

With years of immense experience and expertise, Nidhi Engineering is a leading name in manufacturing wide range of industrial products. We are driven by the group of proficient experts, who endeavor to offer Multiple Effect Evaporator Plants to our customers. These plants are made by using premium quality raw materials and are as per with the international standards.

To better define, Multiple Effect Evaporator is a device for effectively utilizing the warmth from steam, in order to evaporate water. Due to their simple and easy installation, tough development and more durable life, our evaporator plants are highly in demand mostly in the business sector. These plants are mainly used in pharmaceutical, Chemicals, Dye Intermediates, Textiles, Auto Mobile, Food & Dairy Industries.



We Design, Manufacturer, Supply, Erection and commission various types of Multiple Effect Evaporators mentioned as below

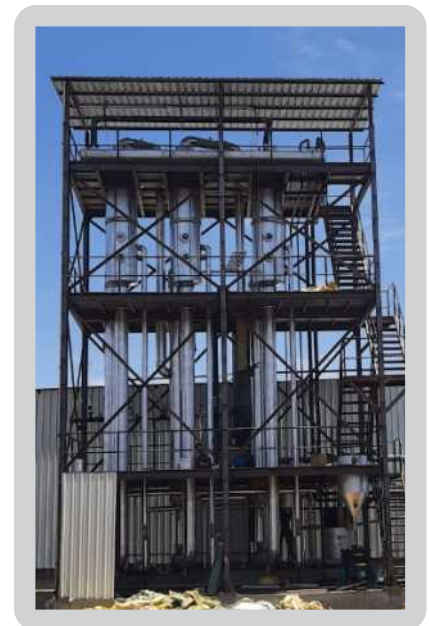
- Falling Film Evaporator
- Forced Circulation evaporator
- Falling+Forced Circulation (Combination) Evaporator



SINGLE EFFECT MEE



DOUBLE EFFECT MEE



TRIPLE EFFECT MEE

Stripper System

- Nidhi Engineers is a Design Engineering, Manufacturers and supplier of various types of low boiler solvent removal system from Pre treated effluent which is known as stripper column.
- We deal in Packed stripping column and also tray stripping column for effluent for zero liquid discharge.
- We design stripping columns specially for effluent water coming from primary treatment for removal of low boiler solvents like IPA, Ethanol, Methanol etc. This system will remove low boiler solvents with partial traces of water with steam as heating media and cooling water from cooling tower.
- Our system is easy to operate, minimum maintenance, good quality of packing material and long life with minimum footprint. We have Nos of installation of stripper columns across India.



AGITATED THIN FILM DRYER (ATFD)

- In this system a thin layer of high TDS solution or Mother Liquor of waste water is spread on the Heating Surface of the ATFD Inner shell.
- In the jacket steam is applied for heating of the same liquid. Solid is coming bottom side having less than 5% moisture (depends on the product physical properties). It is used for continuous duty operations and useful for single salt and multi salt production.
- Available in MS, SS 304, SS 316 MOC And Designed to Operated with both steam & Thermic fluid heater as a heating media



PRODUCT RECOVERY PLANT

- Solvent Recovery Plant
- Caustic Recovery Plant
- Glycerine Recovery Plant
- Product Concentration
 - Milk
 - Dextrose
 - Herbal Extract
 - Tea and Coffee Extract



Electrical Evaporator (EE)

We have various ready in stock model of electrical evaporator for atmospheric discharge.

- Lowest in Capex
- Mobile/Portable system/Pre-assembled
- Compact Design
- Lowest Foot Print
- Easy to transport
- No Site cost (Except Utilities)
- Plug & Play
- Only Electricity (No steam/Thermic Oil)
- Saves Project Duration as well as Money
- Range:- 200 LPD to 2000 LPD
- Ready in Stock
- MOC: SS-304,SS-316
- Models: EE-200,EE-500,EE-1000,EE-2000



Electrical Evaporator with Vacuum System (ZLD)

Electrical Evaporator with vacuum system is specially designed for those clients who do not have steam or thermic fluid as heating media. Key features of EEVS are as below

- Lowest in Capex
- Lower in opex Compare to EE
- Mobile/Portable system/Pre-assembled
- Compact Design
- Lowest Foot Print
- Easy to transport
- No Site cost (Except Utilities)
- Plug & Play
- Only Electricity (No steam/Thermic Oil)
- Saves Project Duration as well as Money
- Range :- 500 LPD to 5000 LPD
- Ready in Stock
- MOC: SS-304,SS-316
- Models: EEVS-200,EEVS-500,EEVS-1000,EEVS-1500



SKID MOUNTED EVAPORATOR

- Low in Capex
- Mobile/Portable system/Pre-assembled
- Compact Design
- Lowest Foot Print
- Easy to transport
- No Site Cost (Except Utilities)
- Ready in Stock
- Saves Project Duration as Well as Money
- Design suitable for both steam and thermic oil as heating media



SLUDGE DRYER



The machine has a heated through, containing rotating heated paddle shafts. The specially shaped paddles do not have a transport function but are designed for maximum heat transfer. This results in an excellent control of the temperature of the product and enables a uniform product quality. At the outlet side, the product moves out of the machine via an adjustable overflow.

The Nidhi Engineers paddle dryer offers a once-through drying technology that avoids back-mixing, which makes the machine very suitable for sludge drying. The long sludge retention time combined with the average sludge temperature of 100° C makes it possible to provide pasteurization and hygienic treatment of sludge – any sludge. Any residual moisture level can be chosen for the end product. This makes the machine suitable for partial drying to 35-40% dry solids, which is required prior to incineration of sludge.

VACUTUM EJECTOR SYSTEM



Nidhi Engineering is engaged in providing solution based on the Vacuum Process. We Design, Engineering, Manufacturer, Supply, Erection and commission the Complete Skid mounted and packaged Vacuum Ejector System from Single Stage to Multi Stage Vacuum Ejector System with Steam jet and Water Jet Ejector System.

WE PROVIDE:

- Water Jet Ejector System
- Steam Jet + Water Jet Ejector System
- Rota Jet Ejector System
- Multi Stage Steam Jet Ejector System

CRYSTALLIZER SYSTEM



Crystallization is a chemical solid-liquid separation technique, in which mass transfer of a solute from the liquid solution to a pure solid crystalline phase occurs in chemical engineering, crystallization occurs in a crystallizer and crystal received in discharge.

We Provide Adiabatic Crystallizer and Oslo Crystallizer for continuous and batch type crystallizer respectively. We manufacture complete and customize system with various material of construction such as MS, SS 304, SS 316 and MS with Rubber lining.

APPLICATION:

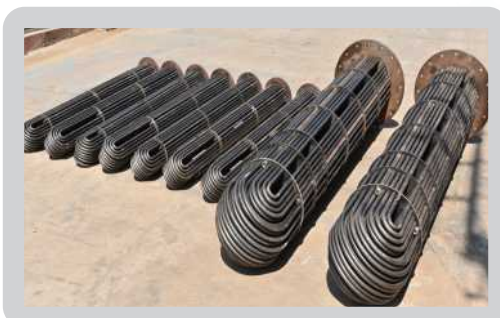
- Glauber salt recovery
- Sodium Sulphate
- Sodium Chloride
- Sodium Thio Sulphate
- Magnesium Sulphate
- Sodium Silicate
- Ammonium Sulphate
- Ammonium Chloride etc...

PROCESS EQUIPMENTS

HEAT EXCHANGERS



U-TUBE HEAT EXCHANGERS



VESSELS



OUR CLIENTS



Stay in Touch With Nidhi Engineers...

📍 Works: - Plot No: -18,19,20,21,22, Shiv Sagar Arcade & Industrial Park, Nr. Shanti Chemical, Bakrol-Dhamatvan Road, Dhamatvan, Tal.: Daskroi, Ahmedabad 382435, Gujarat, India.

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