



Nidhi
Evaporation
Technology

ISO 9001 : 2015 Certified Company

Innovative Zero Liquid Discharge System



www.nidhi evaporation plant.com



Nidhi Evaporation Technology has set the benchmark in the industrial domain as the best manufacturing unit since 2014. 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.

Nidhi Evaporation Technology is situated at GIDC, Vatva, Ahmedabad and Having all basic manufacturing in house facilities like fabrication, machinnig welding and testing.

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

Nidhi Evaporation Technology has completed many Projects across India We deal in Multiple Effect Evaporator, ATFD (Agitated Thin Film Dryer), Product Recovery Plants, Stripper Systems, Vacuum Ejector Systems, Crystallizer 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 Colour, Dairy, Castor Oil, Automobile Industries and more. Our range of products covers the need of turnkey based projects as well as the revamp services.



About us...



Vision :-

To Provide the products best in terms of quality and service.

Mission :-

To Serve the best service and build healthy relationship with client.

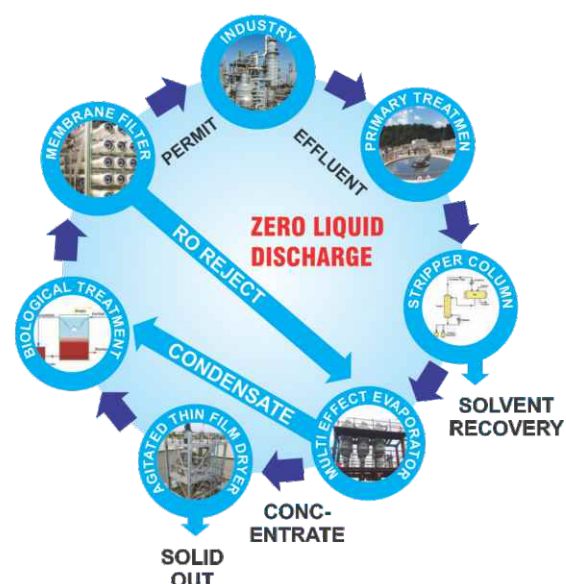
Quality Policy

Nidhi Evaporation Technology 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 experience.

Evaporation Technologies

Zero Liquid Discharge Systems

- Multiple Effect Evaporator
- Stripper System
- Agitated Thin Film Dryer
- Nutsche Filter
- Falling Film Evaporator
- Forced Circulation Evaporator
- (Falling + Forced Circulation) Evaporator
- Pusher Centrifuge
- Basket Centrifuge
- Crystallizer
- Process Equipments
- Skid Mounted Evaporators
- Electric Evaporators



Industries We Serve...

- Chemical Industries
- Pharmaceuticals Industries
- Petrochemical Industries
- Agrochemical Industries
- Automobile Industries
- Food & Beverage Industries
- Bulk Drugs & Dyes Industries
- Textiles Industries
- Solvent Recovery Units
- Oil & Gas Processing

Product Recovery Systems

- ▶ Solvent Recovery Plant
- ▶ Caustic Recovery Plant
- ▶ Glycerine Recovery Plant
- ▶ Crystallizer System
- ▶ Gas Scrubers

Product Concentration

- ▶ Milk
- ▶ Dextrose
- ▶ Herbal Extract
- ▶ Tea & Coffee Extract





Multiple Effect Evaporator

With years of immense experience and expertise, Nidhi Evaporation Technology 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

Key Features :

Simplified Functionality

Offers Customised Solutions

Saves On Production Cost

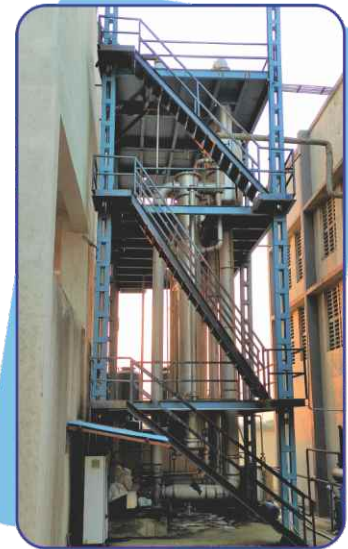
Consumes Less Energy



Single Effect Evaporator



Double Effect Evaporator



Triple Effect Evaporator

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. Where the high Pressure Steam is applied to the jacket for heating of the same liquid. Solid coming from the bottom 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.

Advantages :-

- Saturation solution to mixed salt
- Smooth and trouble free operation
- Drying of solids
- Effective heat transfer



Product Recovery Plants

ELECTRIC EVAPORATOR



- Compact Design
- Plug & Play System
- No utility requires like steam and Cooling Tower
- Ready in stock in capacity of 500 LPD, 750 LPD and 1000 LPD
- Complete Plug & Play System
- Easy in Operation

SKID MOUNTED EVAPORATOR



- Skid Mounted Portable & Folded system
- Compact Design
- Easy to transport
- No Civil & Electrical work at site
- Low in cost
- Need to Supply Utilities Only

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.

Oslo Crystallizer



Applications :

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

: Services :

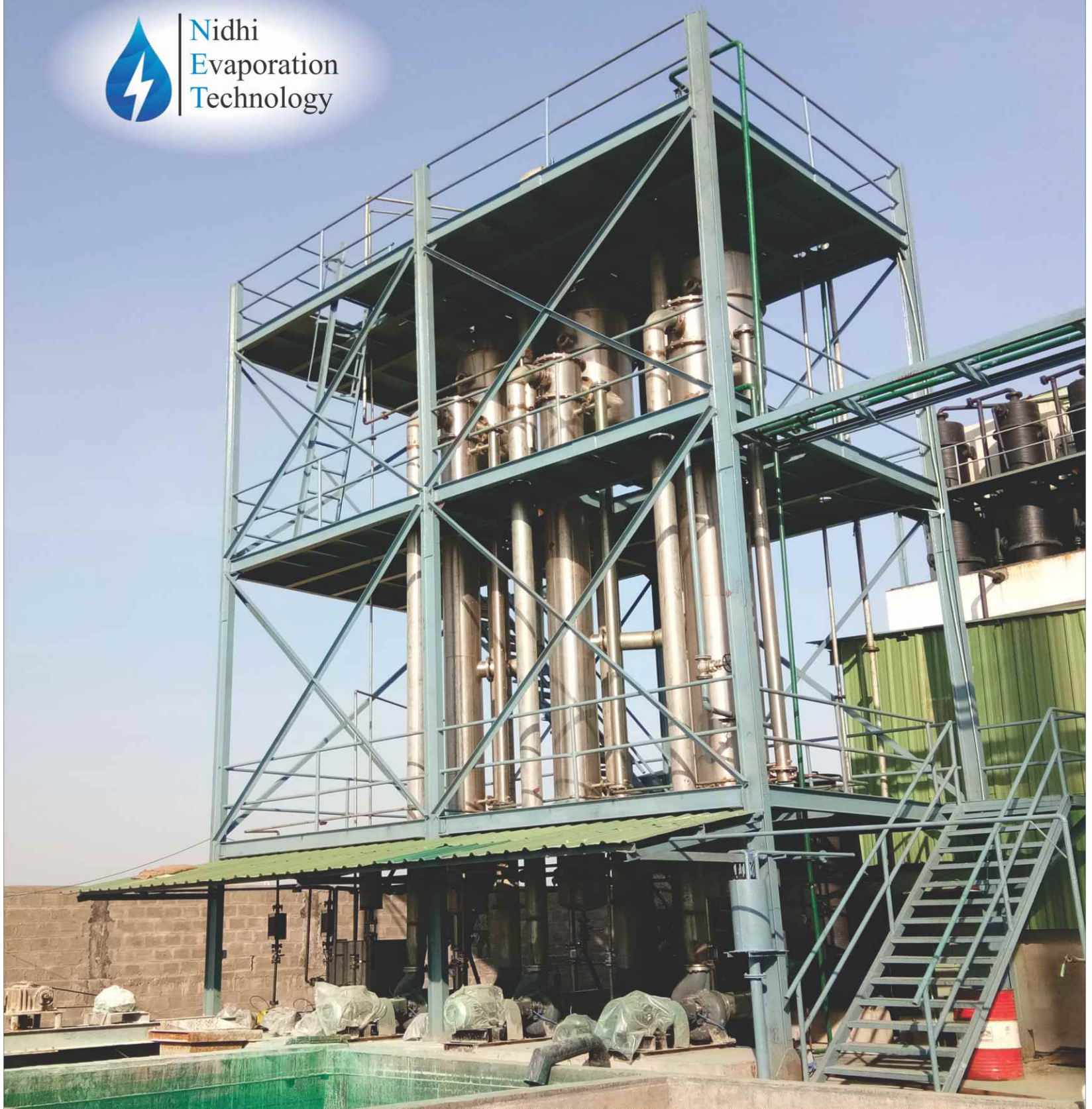
- Plant Revamping Service
- Performance Calibration
- Project Design Consultancy
- Capacity Expansion
- Engineering Procurement







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