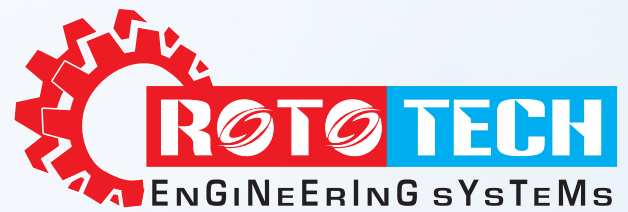


ZERO LIQUID DISCHARGE PLANT



We Serve, Technical Expertise.. From Concept to Commissioning..



We are the Turnkey Solution Provider of specialized systems based on Evaporation and Drying technologies.

SAVE WATER, SAVE ENVIRONMENT, SAVE FUTURE...

Website : www.rototech.co.in E-mail : rototechengg@yahoo.com, sales@rototech.co.in

Tel : +91-79-22810062, M : 94281 01936

MULTI EFFECT EVAPORATOR (MEE)

Industrial evaporation is employed for the large scale production of concentrated solutions, playing a critical role in the manufacture of a variety of process industries, including chemicals, specialty and fine chemicals, polymers, fertilisers, pulp & paper, pharmaceuticals and foods. Nowadays evaporation is widely used to treat effluents waters and often allowing the recovery of valuable products.

Rototech offers all sizes and all type of evaporators namely falling, forced circulation, scrapped surface, Evaporator & Crystallizer in effective combination with multiple effect evaporation system. Optimum number of effects in combination with falling film and forced circulation provided by **Rototech** is the least operating cost of the capital cost

Rototech offer a system comprising of Thermovapour re-compressor (TVR), Feed pre-heaters, Condensate flashing to reduce the steam consumption & thus achieving higher steam economy.



MEE PLANT

APPLICATION OF MULTI EFFECT EVAPORATOR

Properly selected & designed scheme, adequate heat transfer area at best operating temperatures ensures the plant performance for longer time and reduces CIP frequency & plant stoppages.

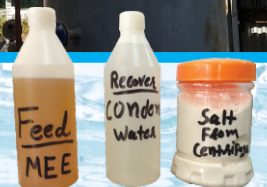
Easy & Quick CIP facility for the plant, Fully automated and manual operation mode as per requirement

- RO Reject .
- Mix salt Recovery .
- Pharma Industries .
- Automobile Industries .
- Food Industries .
- Chemicals and Organic Chemicals .
- Dye Bath Water .
- Dairy & Food Products .
- Sugarcane Industries .
- Tea/Coffee Extract



MEE PLANT

Particulars	Single Effect	Double Effect	Triple Effect	Quadruple Effect
Recommended for Water evaporation capacity in Kg/hr	<500	>500<=1200	>1200<=2500	>2500<=5000
Steam Economy (Kg of Evaporation/Kg of Steam Consumed)	1.2	2.2-2.4	3.1-3.3	4.0-4.2



AGITATED THIN FILM DRYER (ATFD)

Rototech ATFD are used to concentrate, refine or recover a valuable product through distillation or similar thermal separation process.

The typical Agitated thin film Dryers consists of a tubular heat transfer area with an external heating jacket and fast revolving inner rotor with flexible or rigid wiper elements.

The feed is distributed by the rotor and its wipers evenly over the heating surface and forming a thin film of uniform thickness and heat will transfer in to thin film, Feed progressively passes through different phases like Liquid Slurry, Past Wet powder and finally powder of desired dryness.

The vapors produced and flow counter current to the film and pass through cyclone separator, further these vapors condensed in to indirect contact condenser

The powder gets collected in a receiver at the bottom.



ATFD PLANT

STRIPPER COLUMN

Rototech design & manufacture some of the most efficient and low maintenance stripper columns.

Rototech Engineers has been design and manufacturer the stripper columns for various industries.

Stripper column is specially designed for solvent recovery.

Steam is introduced from the bottom of the column, which carries volatile substance out at the top of the column.

When high COD stream is to be evaporated, Stripper column is mandatory for recovery of the SC low boilers.

Distillation Columns:

Technology:

- Continuous and batch
- Single and Multi Stage
- Extractive
- Azeotropic

Column Internals:

- Structured Packing
- Random Packing
- Bubble Cap, Sieve Tray
- Phase Separators
- Distributors & Connectors



STRIPPER PLANT

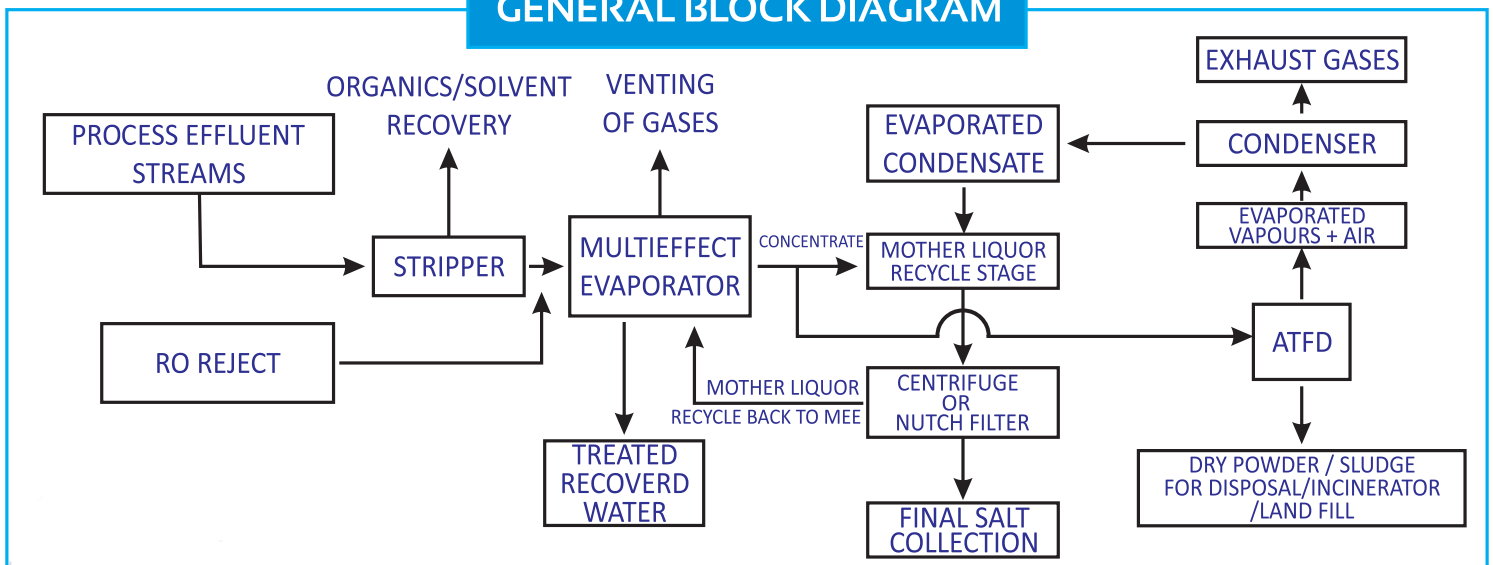
PRODUCTS RANGE:

- Falling film Evaporator Plant
- Forced Circulation Evaporator Plant
- Rising Film Evaporator Plant
- ATFD Plant
- Crystalizer System & Vacuum System
- Heat Exchangers & Condensers
- Distillation Plant
- Stripper Column
- Product Concentration Plant
- Caustic Recovery Plant

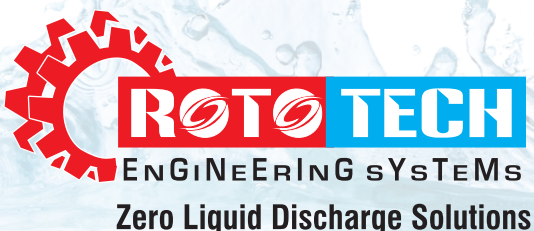
WORKSHOP:



GENERAL BLOCK DIAGRAM



We Support:



Office:
 D/F, 57, Bhagyoday Shopping Center,
 Nr. Bethak, Naroda, Ahmedabad-382330.
 Mo : +91 9016075167, 9978101936
 E-mail : rototechengg@yahoo.com

Factory:
 Block No. 337/1, Naroda to Dahegam Road,
 At Post Anasan, Ta. Daskroi,
 Dist. Ahmedabad-382330. Guj. INDIA
 Tel : +91 7922810062, 9428101936

sales@rototech.co.in | www.rototech.co.in