



KEP ENGINEERING SERVICES PVT. LTD.



Technology Provider in the Waste Water and Effluent Treatment Systems

Contact Details

Head Office and Factory Address:-

149/A, Toopran Mandal, Kallakal Village, Medak, Hyderabad -502336,
Telangana.

Maharashtra Factory Address:-

Plot- D-55 & 56, Kushnoor MIDC area, Naigoan (KH), Dist. Nanded
Maharashtra-431709.

Contact Details:

Mobile: +91-9100444811

Phone: +91-08454-235236

Email : info@kepengg.com

proposal@kepengg.com

business@kepengg.com

Website: www.kepengg.com



Corporate Overview



- ★ *Established in the year 2010*
- ★ *Promoted by Technocrats with Hands on experience.*
- ★ *Over 500+ Process Plants operational across the world.*
- ★ *Team of more than 150 professionals working onsite & offsite.*
- ★ *Workshop spanning over 27,000 Sq.ft. with full fledge fabrication facility at Hyderabad.*
- ★ *Workshop over 30,000 sq. ft with full fledge fabrication facility at Kushnoor Nanded.*
- ★ *Pilot Plant facility to prove the process and develop new products.*
- ★ *Dedicated Team for Erection, Commissioning and After Sales Service.*

VISION

Strive To Become A World Class Organization Ensuring Customer Satisfaction By Delivering Value Through Quality, Innovation And Unparalleled Service.

MISSION

To Be A Leader In Design and Manufacturing of Zero Liquid Discharge Systems and Industrial Processing Solutions by Delivering Superior Technology, Quality and Service to Our Customers.

- ✓ *All the stages, right from techno commercial discussions till post operative services are handled by our Expert Engineers.*
- ✓ *Good reputation among customers.*
- ✓ *Reputation for innovation.*
- ✓ *Solution Provider.*
- ✓ *Involves high coordination across functions.*
- ✓ *Decentralizes decision making.*
- ✓ *Many product lines.*

Environmental Solution

- ◆ *Primary Treatment*
- ◆ *Secondary Treatment*
- ◆ *Tertiary Treatment*
- ◆ *Stripper Column*
- ◆ *Evaporator (MEE, MVRE)*
- ◆ *Agitated Thin Film Dryer*

Engineering Solution

- ◆ *Heat Exchanger*
- ◆ *Crystallizer*
- ◆ *Distillation Column*
- ◆ *Gas Scrubber*
- ◆ *Basic and Detailed Engineering*
- ◆ *Process Design*

Zero Liquid Discharge

- ◆ *ETP+Stripping Column +Evaporator+ATFD+BTP+ UF&RO*
- ◆ *Stripping Column+Evaporator+ATFD*
- ◆ *Evaporator+ATFD*
- ◆ *Evaporator+Centrifuge*

Recovery System

- ◆ *Stripping Column*
- ◆ *Distillation Column*
- ◆ *Gas Scrubber*
- ◆ *Crystallizer*

Evaporator

- ◆ *Falling Film Evaporator*
- ◆ *Forced Circulation Evaporator*
- ◆ *Multi Effect Evaporator*
- ◆ *Thin Film Evaporator*
- ◆ *Mechanical Vapor Re-compressor Evaporator (MVRE)*

Industrial Dryer

- ◆ *Agitated Thin Film Dryer*
- ◆ *Spray Drying Plant*

Waste Water Treatment

Clientele- Pharma & Bulk Drug



Clientele- Pharma & Bulk Drug



The logo for Sanvita features a stylized DNA double helix in blue and red, followed by the word "Sanvita" in a blue serif font and a green leaf icon.

Sanvita Bio-Technologies Pvt. Ltd.

The logo for Seutic Pharma features a stylized green and blue "S" icon followed by the text "Seutic Pharma" in a bold, black sans-serif font.

The logo for RLIC features the letters "RLIC" in a bold, blue sans-serif font, with a red and orange graphic element below the "I". To the right, the tagline "HEALING STARTS HERE" is written in a smaller, blue sans-serif font.

The logo for Symed Laboratories limited features the text "Symed Laboratories limited." in a green serif font, with the tagline "Synchronizing Chemistry and Health" in a smaller, italicized green font below it.

The logo for OC Specialities Pvt. Ltd. features a stylized blue and white circular icon followed by the text "OC Specialities Pvt. Ltd." in a bold, black sans-serif font. Below it, the tagline "Chemistry can be redefined!" is written in a smaller, italicized black font.

The logo for Glenmark features a stylized red "G" icon followed by the text "Glenmark" in a bold, red serif font. Below it, the tagline "A new way for a new world" is written in a smaller, black sans-serif font.

The logo for Covalent Laboratories features a stylized blue and white circular icon followed by the text "COVALENT LABORATORIES" in a bold, black sans-serif font.

The logo for Vivimed features a stylized green and white icon of a plant or flower followed by the text "Vivimed" in a bold, black sans-serif font.

The logo for Virchow's features the word "VIRCHOW'S" in a bold, white sans-serif font inside a green rectangular border.

The logo for Saraca Laboratories Limited features a stylized green and white circular icon followed by the text "SARACA LABORATORIES LIMITED" in a bold, green sans-serif font. Below it, the tagline "MANUFACTURERS OF BASIC DRUGS & INTERMEDIATES" is written in a smaller, black sans-serif font.

HONOUR

The logo for Hetero features a stylized red and white icon of a laboratory flask followed by the text "HETERO" in a bold, red sans-serif font.

The logo for Metrochem features a stylized blue and orange icon of a laboratory flask followed by the text "METROCHEM" in a bold, blue sans-serif font.

Clientele- Agro Chemicals & Chemicals



Jai Shree Rasayan Udyog Ltd.



Clientele- Metal, Food & Others



operated by VEOLIA



Clientele- Consultants



Sadekar Enviro Engineers



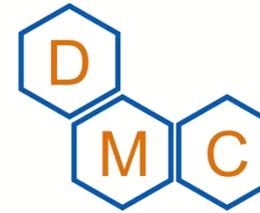
PENNAR ENVIRO
Re-engineering Water, Environment & Energy





CANAL SUGAR

TRANSFORMING THE SUGAR INDUSTRY



Drug Manufacturing
Company



GEWACO
GENERAL WATER COMPANY



elcon
recycling center

Client List:

KEP CLIENT LIST

Sr. No	COMPANY NAME	SYSTEM	CAPACITY (KLPD)	ADDRESS	CONTACT PERSON	CONTACT NUMBER	EMAIL ID
1	Resustainability Ltd.	MEE	1000	Parwada, Andhara Pradesh	Mr. Santosh Kumar	9515101881	santosh@resustainability.com
2	Resustainability Ltd.	MEE	400	Bangladesh	Mr. Santosh Kumar	9515101881	santosh@resustainability.com
3	Punjab Chemicals	MVRE	200	Mohali, Punjab	Mr. Kishore	9872085666	kishore.kumar@punjabchemicals.com
4	Resustainability Ltd.	MEE	150	Jawahar Nagar, Hyderabad Telangana.	Mr. Santosh Kumar	9515101881	santosh@resustainability.com
5	Jupiter	MVRE	100	Baddi, HP	Mr. Prabhakar Pandey	8894135958	prabhakar.pandey@jil-jupiter.com
6	Glochem Industries Pvt. Ltd.	ETP+ZLD	100	IDA Bollaram, Hyderabad, Telangana.	Mr. Sairam	8179046579	sairam.bapatla@glochemandia.com
7	SMS Pharma	MEE	100	Kazipally, Hyderabad.Telangana.	Mr. Murthy	9849498899	murthy@smslife.com
8	Technocraft Industries	MEE	100	Mumbai, Maharashtra.	Mr. G. T. Srinivas	8108196717	gtsrinivas@technocraftgroup.com
9	OC Specialities	MEE	95	Solapur, Maharashtra.	Mr. Sandeep Mali	9923602889	sandeep.mali@ocspl.com
10	Synthochem Pharma Ltd.	MEE	80	IDA, Pashamyalaram,Hyderabad, Telangana.	Mr. Venugopal	9246874798	maintenanceunit2@synthokemlabs.com
11	Rampex Labs	MEE	60	IDA, Bollaram, Hyderabad Telanagana.	Mr. Virabhadra rao	9908503293	ehs@rampexlabs.com
12	Sumitomo Chemical India Pvt Ltd.	MEE	60	Tarapur, Maharashtra.	Mr. Ashish Ladu	9923754218	ashish.ladu@sumichem.co.in
13	Otsuka Chemicals	MEE	50	Jaipur, Rajasthan.	Mr. Anil Dohare	7891956776	wwm@otsukaindia.com
14	Dr. Reddys	MEE	24	Bachupally, Hyderabad.Telangana.	Mr. Chaitanya	7995551599	chaitanyavr@drreddys.com
15	Covalent Labs	ATFD	30 m2 X 3 Sets	Sangareddy, Hyderabad.Telangana.	Mr. Prabhakar Reddy	9866077157	projects@covalentlab.com
16	Jeedimetla Effluent Treatment Plant	ATFD	30 m2 X 3 Sets	Jeedimetla, Hyderabad Telanagana.	Mr. G. Srinivas Rao	9666677836	gss@jetltd.org
17	Elcon Recycling Center	ATFD	30 m2 X 3 Sets	Tel-aviv yafo, Israel	Mr. Arie Meimis	+972 52-8459931	Arie@elconrecycling.com

Testimonials



Glochem Industries Pvt. Ltd.

Unit-1, Bollaram

Date:03.03.2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that M/s KEP Engineering Services PVT LTD has executed the work of Design, Supply engineering, Manufacturing, Testing & Commissioning of 100 KLD ZLD Plant at Glochem Industries Private Limited, Hyderabad, Telangana including all Mechanical, Electrical, Instrumentation works.

The plant has been successfully handing over on 02.03.2023 and working satisfactory since then meeting the desired standard & Targets.

During their association with us we found them to be a team of dedicated professional. The concept, design & presentation matches with the best in industry. the fabrication & choice of technology ,equipment's proves that they have an in depth knowledge of subject .

This certificate is being issued on the request of the KEP ENGINEERING SERVICES PVT LTD.

Your faithfully

GLOCHEM INDUSTRIES PRIVATE LIMITED



Date: 26-02-2019

Letter of Appreciation

Here we are happy to confirm that M/S. KEP Engineering Services Private Limited successfully completed commissioning of Agitated Thin Film Dryer of Capacity 25 M2. It is running successfully. Many congratulations for your success and achievement in our organization. With all your hard work and dedication you proven that you can handle many projects to satisfy other customers.

Here with we are issuing performance/appreciation certificates for your successful project which was commissioned in our unit.

Thanks & Regards

Arie Meimis
Maintenance Manager
Elcon recycling center



Thin Recycling Center (TRC) Ltd.
Company No 513453-14

Thin Recycling Center (TRC) Ltd.
Company No 513453-14



SMS Lifesciences India Limited

Registered & Corporate Office .
Plot No. 19-III, Road No. 71,
Opp. Bharathi Vidyā Bhavan Public School,
Jubilee Hills, Hyderabad, Telangana - 500 096, INDIA.
Tel : +91-040-6628 8880, Fax : +91-040-2355 1401
Website : www.smslife.in

Letter of Appreciation

Hereby confirm that KEP Engineering had successfully completed plant with Capacity (100 KLD). It was running excellent only because of your hard work and team effort this is output. Thank you for 100% quality supply for equipment and also it is completed within the time. Thus, the success of this project entirely belongs to your company. After the commissioning also there, service support is highly appreciated.

Hence our company had decided to appreciate you by issuing this letter and form onwards to your success.

Thanking You,
SMS Lifesciences India Limited



Authorized signatory

Factory : Unit - I, Sy No. 180/2, Kazipalli (V), Jinnaram (M), Sangareddy District, Telangana - 502 319, INDIA.
Tel : +91-8458-277067 / 277068 / +91-8374455598, E-mail : etp_unit1@smslife.in



972-8-6700955 ☎ 972-8-6700950 📠 Box 2049 Beer Sheva 84123165 , Israel



Testimonials



Date: 05.06.2021

Letter of Appreciation

Here we are happy to confirm that M/S. KEP Engineering Services Private Limited successfully completed commissioning of MVRE system with ATFD on design Capacity (1000 Kg/hr.) it is running successful. Many congratulations for your success and achievement in our organization. With all your hard work and dedication, you proven that you can handle many projects to satisfy other customers.

Here with we are issuing performance/appreciation certificates for your successful project which was commissioned in our unit.



ENHANCED WAPP SYSTEMS (INDIA) PVT. LTD
Nikhil Sharma



ASTER INDUSTRIES

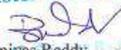
Office : 12-13-440, Ground Floor, Street No. 1, Tarnaka, Hyderabad - 500017, T.S.
Works : 717, Kondamadugu (Vill), Bibinagar (Md), Yadadri Bhuvanagiri Dist., T.S.
Phone : 040 - 2701 7612 Cell : 9246587612 | Email : asterindustries@yahoo.com
Website : www.asterindustries.in | GSTIN : 36AAFFA3371D1ZU

Date: 17.05.2019

Letter of Appreciation

The phenomenal prosperity and completion of plant with the Capacity (5KLPD), TDS (40000 PPM), COD (50000 PPM) it is running successful. Many congratulations for your success and achievement in our organization .With all your hard work and dedication towards your work you have prove it that you have all capabilities to handle many big projects single handedly. Thus the success of this project entirely belongs to your company.

Hence our company had decided to appreciate you by issuing this letter and form onwards to your success.

Thanking You,
ASTER INDUSTRIES
For Aster Industries

T.Srinivas Reddy (Jdy)
Managing Partner



THEON PHARMACEUTICALS LTD.
NALAGARH

Date : 10/08/2021

Letter of Appreciation

We are confirming that M/S KEP Engineering Services private limited successfully completed commissioning of MVR ZLD system on design capacity (510 kg/hr.) it is running successfully.

Work has been done effectively by the Party and smooth functioning has also been ensured.

Many congratulations for your success and achievement in our organization .With all your hard work and dedication.

Thanking you
Authorized Signatory


Theon Pharmaceutical Limited

Enhanced Wapp Systems (India) Pvt. Ltd.
CIN No. : U74999DL 1998 PTC 075053

New Delhi: B-140, Okhla Phase-I, New Delhi - 110020 T: +91 11 40030980

Corporate Office: 914-B, 9th Floor, Park Centre, Sector 30, Gurgaon, Haryana 122001 T: +91 124 6710000 F: +91 124 6710099 Email: info@wappsys.com

Mumbai: B-102, 1st Floor, Oxford Chambers, Salt Vihar Road, Andheri (East), Mumbai 400072 T: 9699755005 Email: wappsys@wappsys.com

www.wappsys.com

Delhi Mumbai Chennai Hyderabad Kolkata Bangalore

Factory- Kallakal



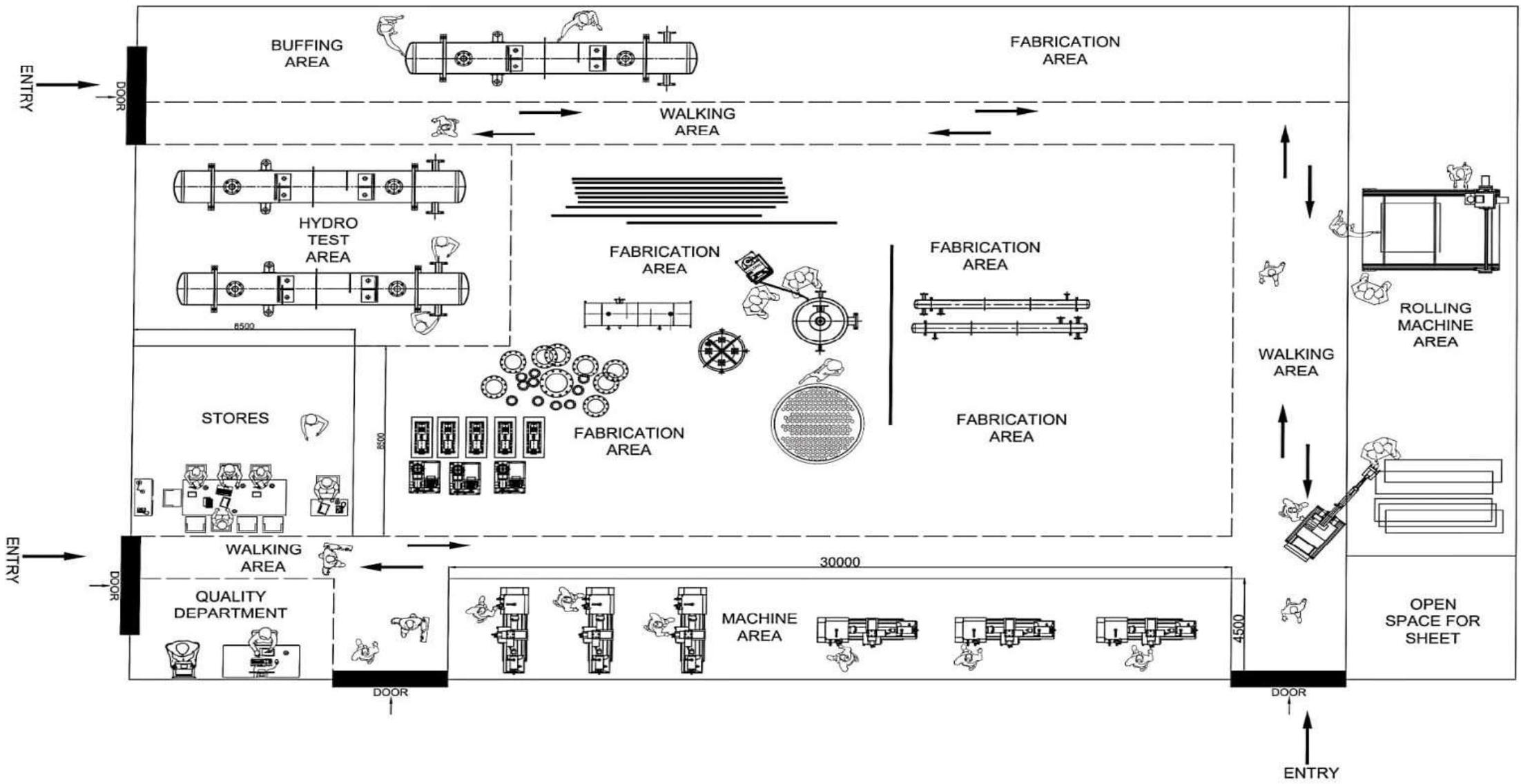
PROPOSED FACTORY ELEVATION DESIGN

Designed by :
Harale chakradhar rao

Factory- Kallakal



Factory- Kallakal Working Detail



Factory- Kallakal



Factory- Krushnoor MIDC



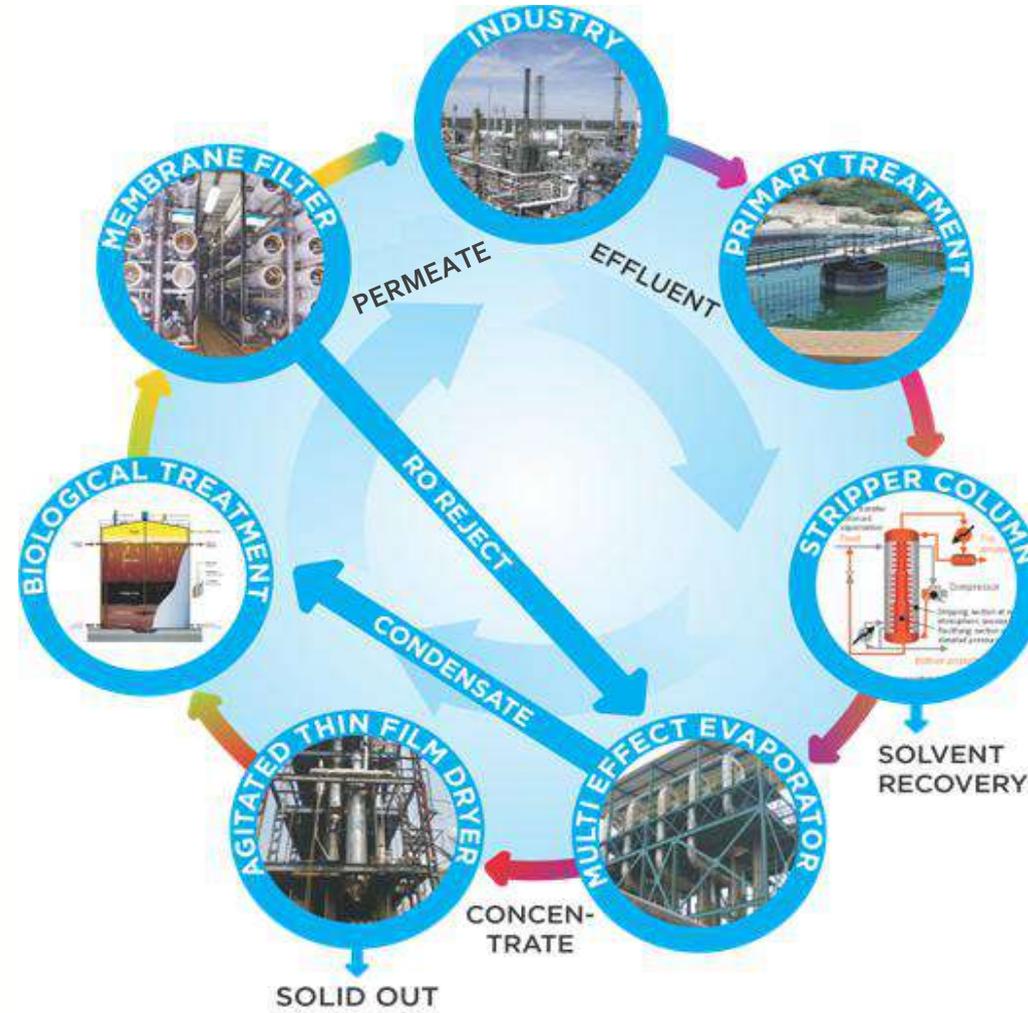


Environmental Solutions

Environmental Solutions

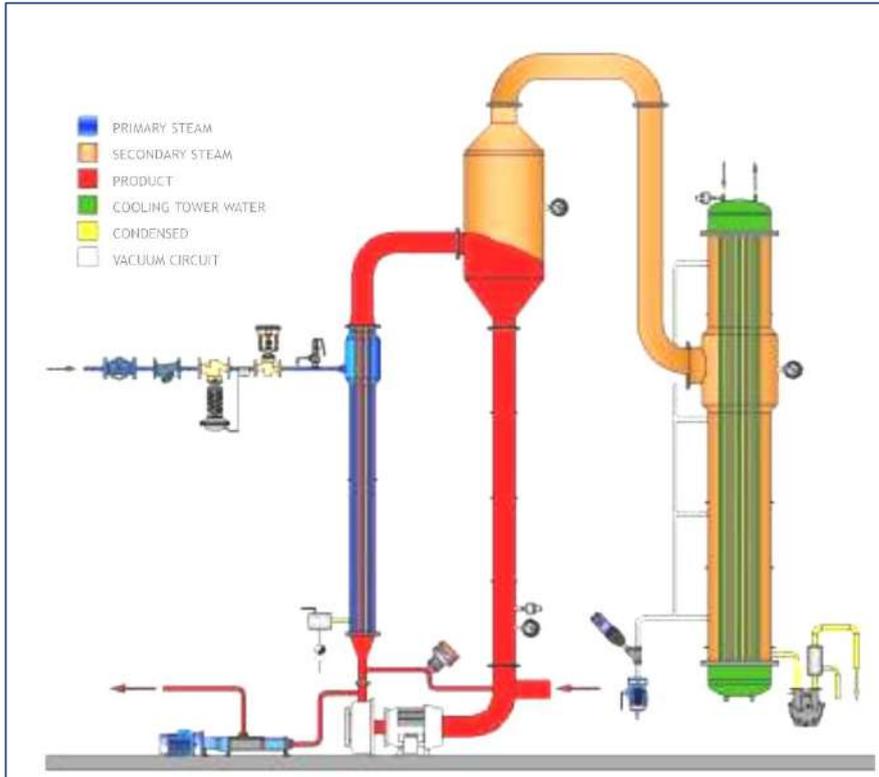


Zero Liquid Discharge

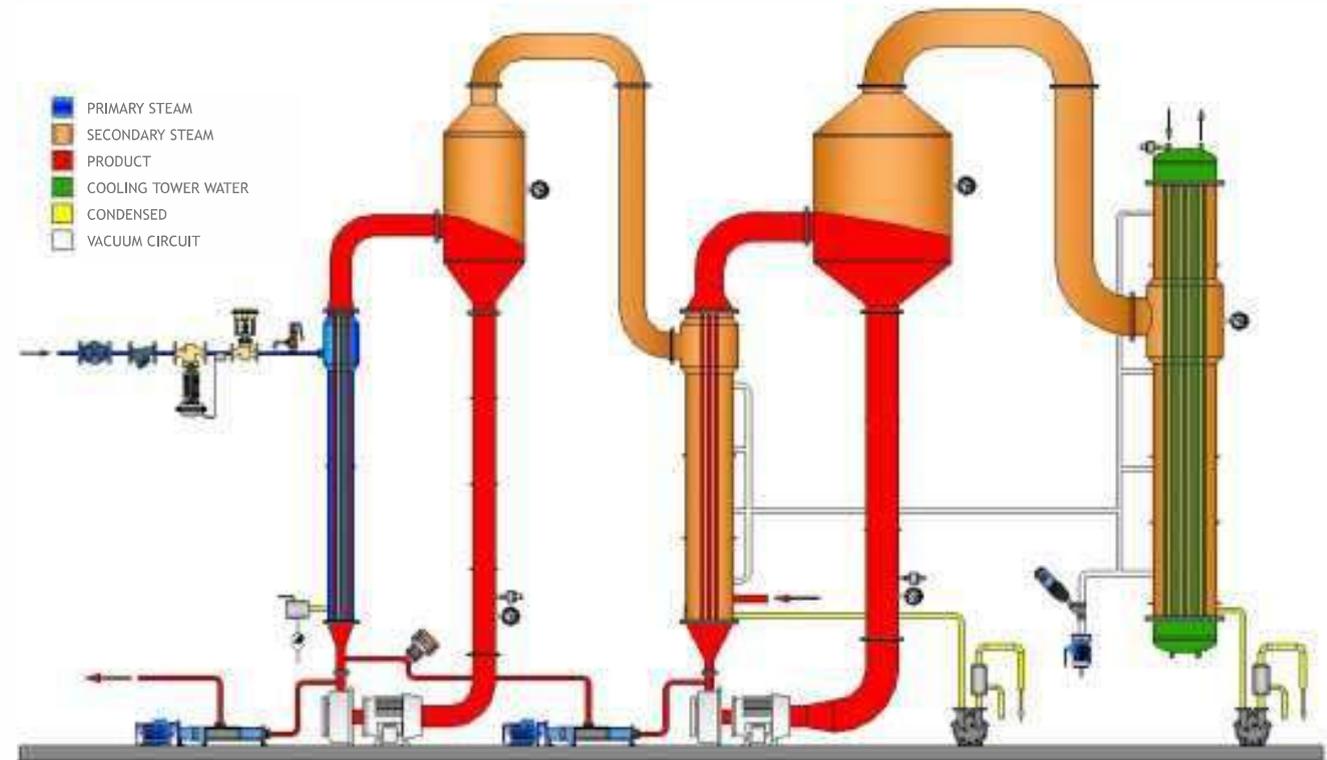


Multi Effect Evaporator

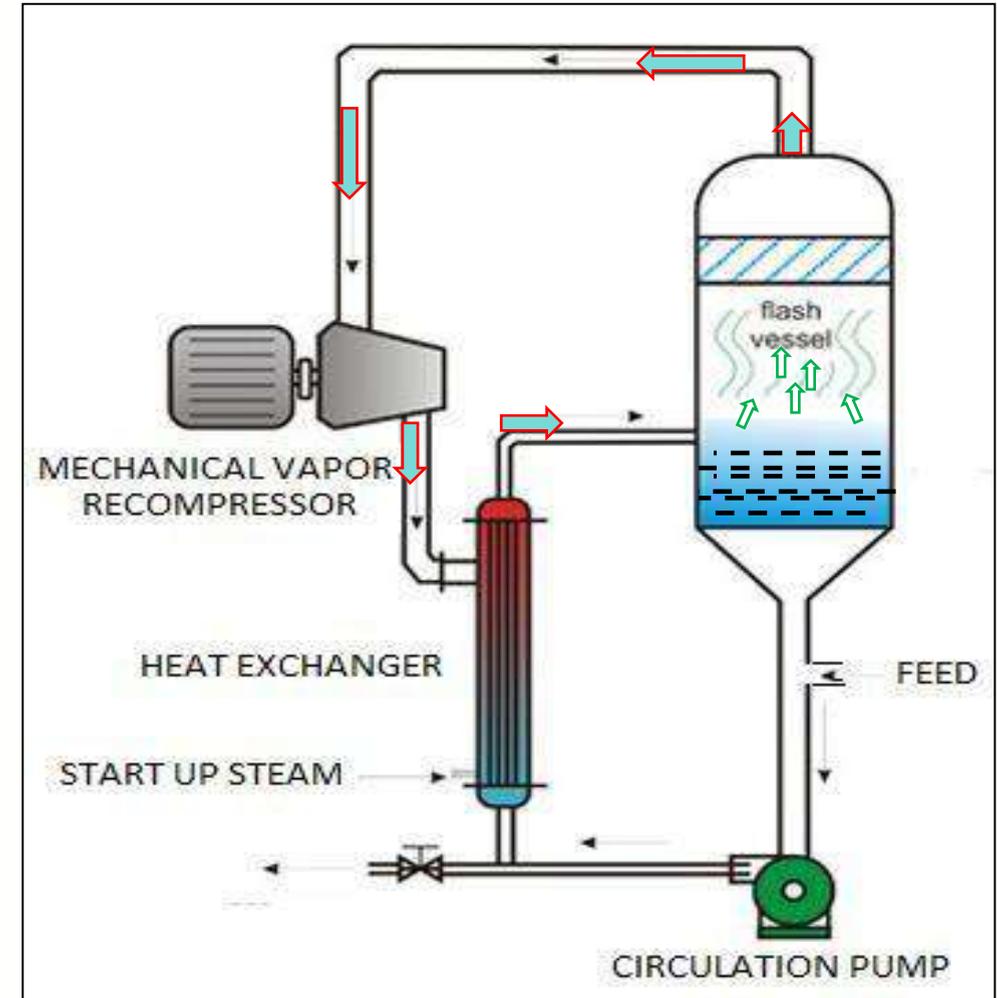
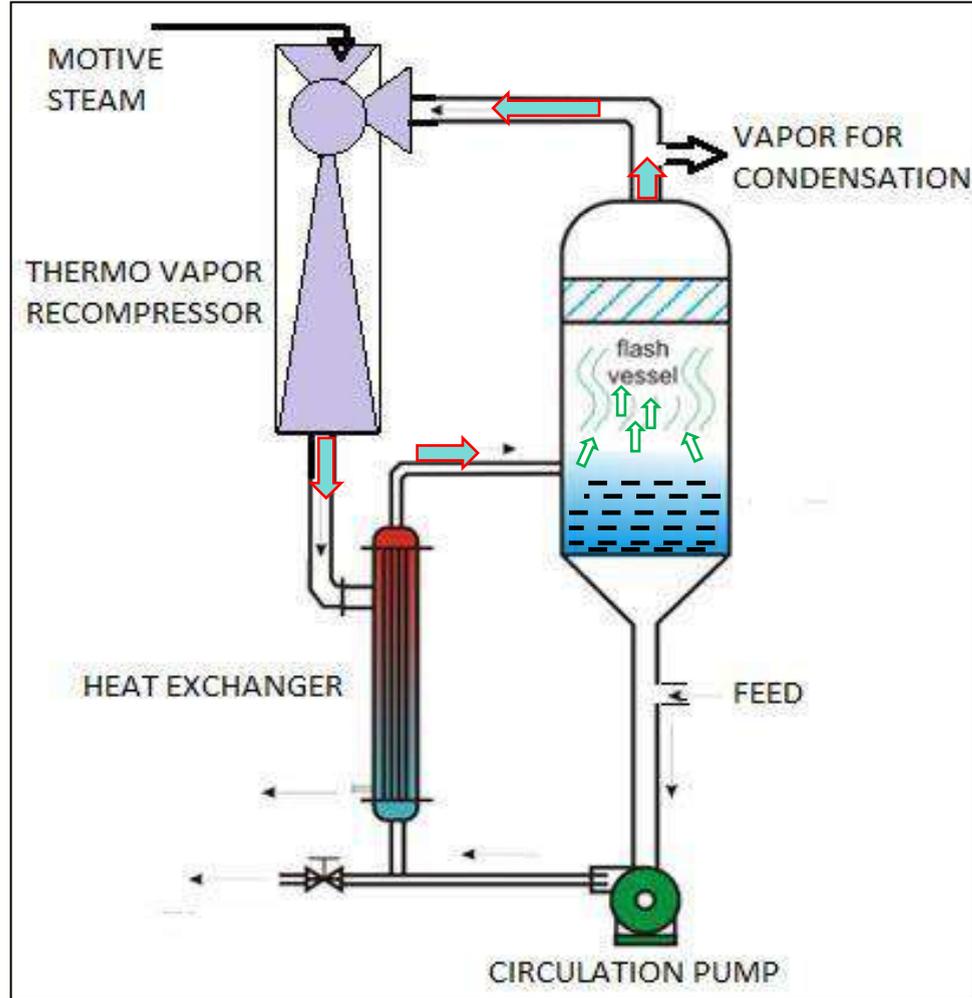
Single Effect Evaporator



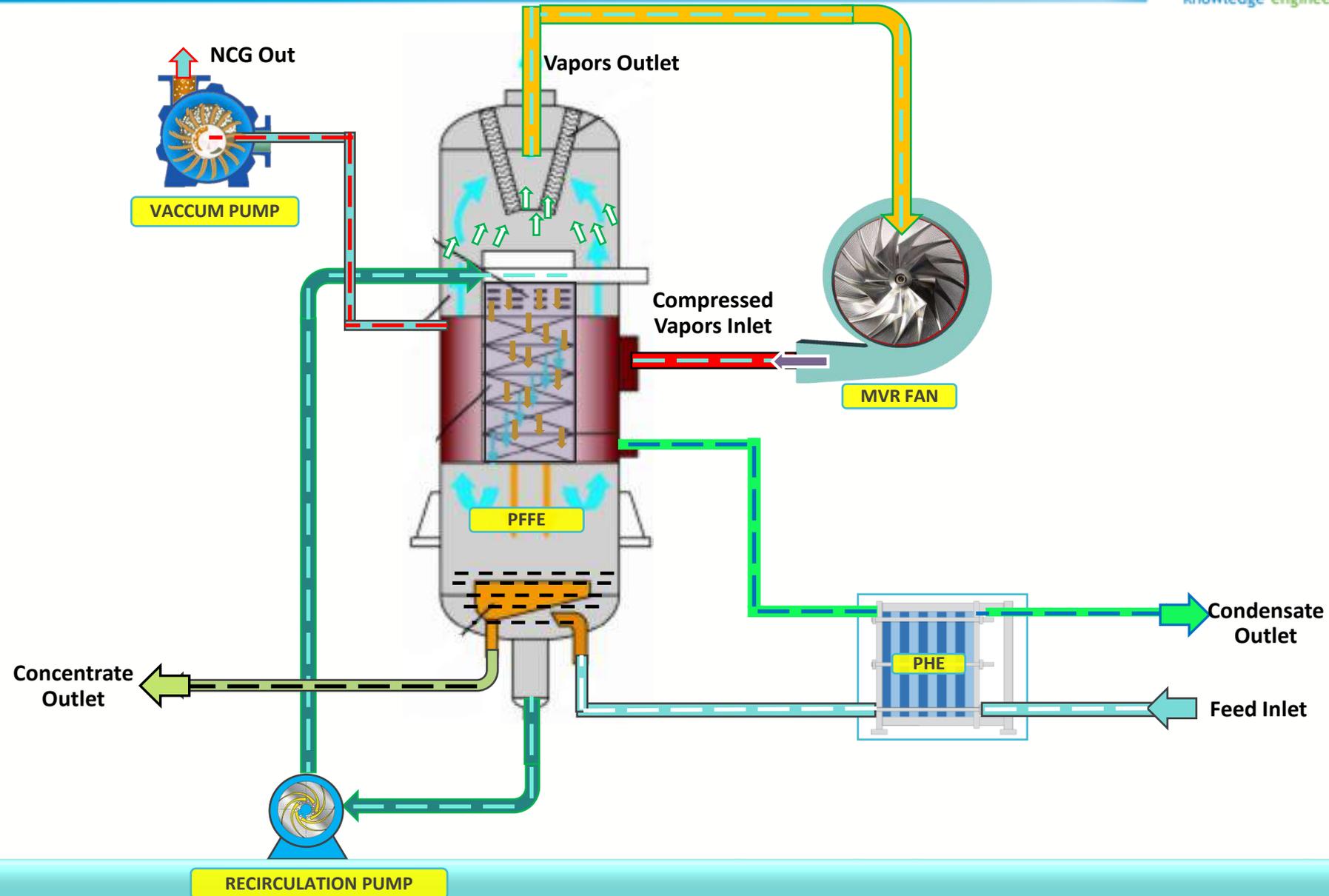
Double Effect Evaporator



TVR vs MVR

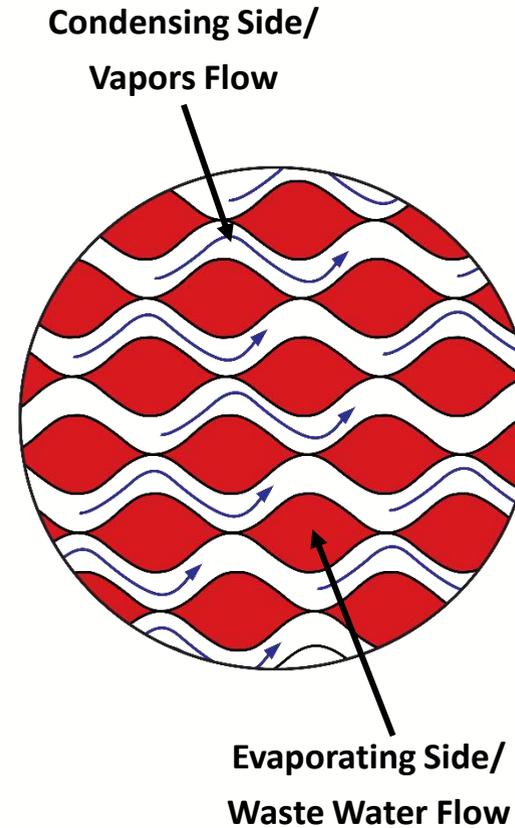


MVR Evaporator Working Principle



Thin Film Plate Technology

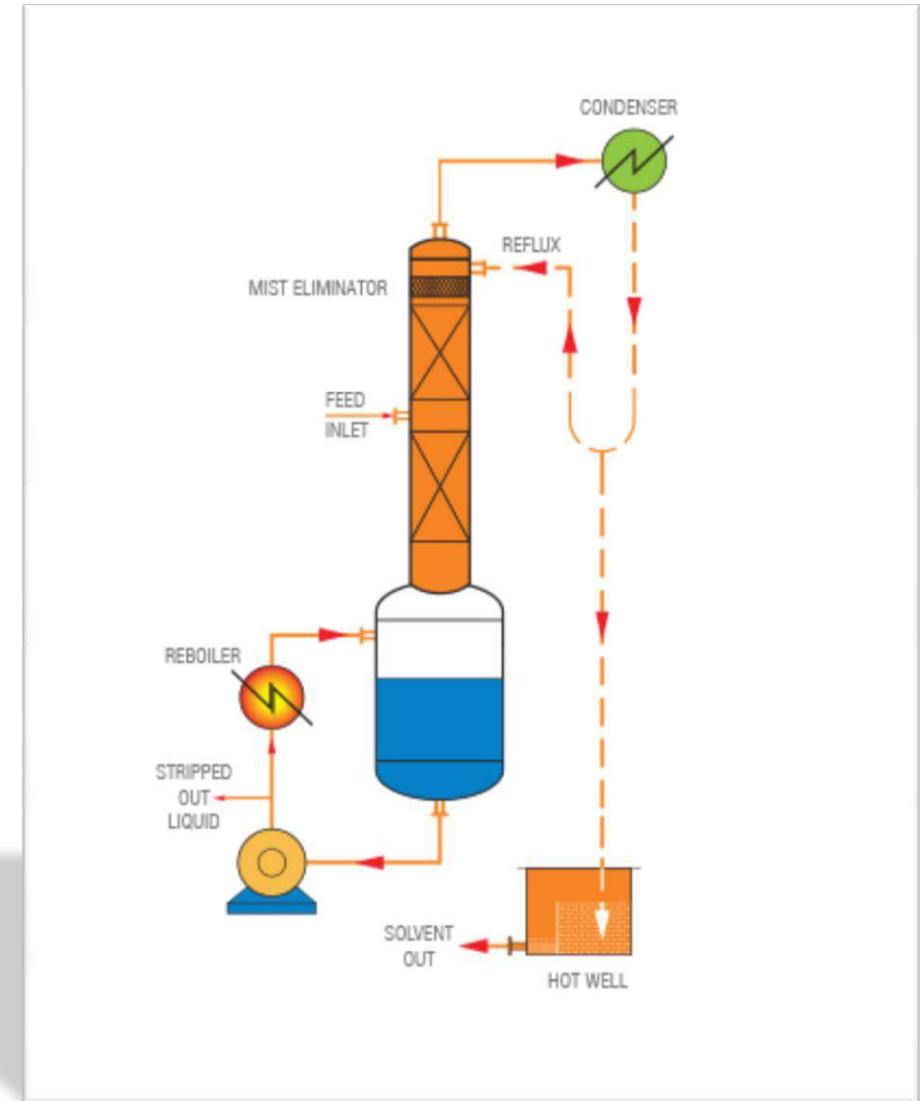
- ✓ Compact Design takes less installation space to process high capacities of streams.
- ✓ High heat transfer performance thus specific energy consumption is low.
- ✓ Low Fouling Potential.
- ✓ Lower capital cost requirements, easier and less costly to commission, operate & service.
- ✓ Completely Modular & Scalable design in many applications.
- ✓ Skid Mountable in many applications.



SINGLE EFFECT MVR

Stripping Column

- ✓ KEP expertise in manufacturing different types of stripping column for solvent removal from effluent feed stream.
- ✓ Packed Stripping Column
- ✓ Tray Stripping Column
- ✓ KEP mainly supplying Stripping columns in pharmaceutical Industries, in which Low-boiling solvents will be recover from the effluent before feeding to Multi Effect Forced Circulation Evaporator



MVRE-Mechanical Vapor Recompression Evaporator

- ✓ Centrifugal Turbo Fan for Recompression of Vapor
- ✓ Vapors are used as a Heating Medium.
- ✓ MVRE Operates at A Partial Vacuum.
- ✓ Reduced Energy Requirements.



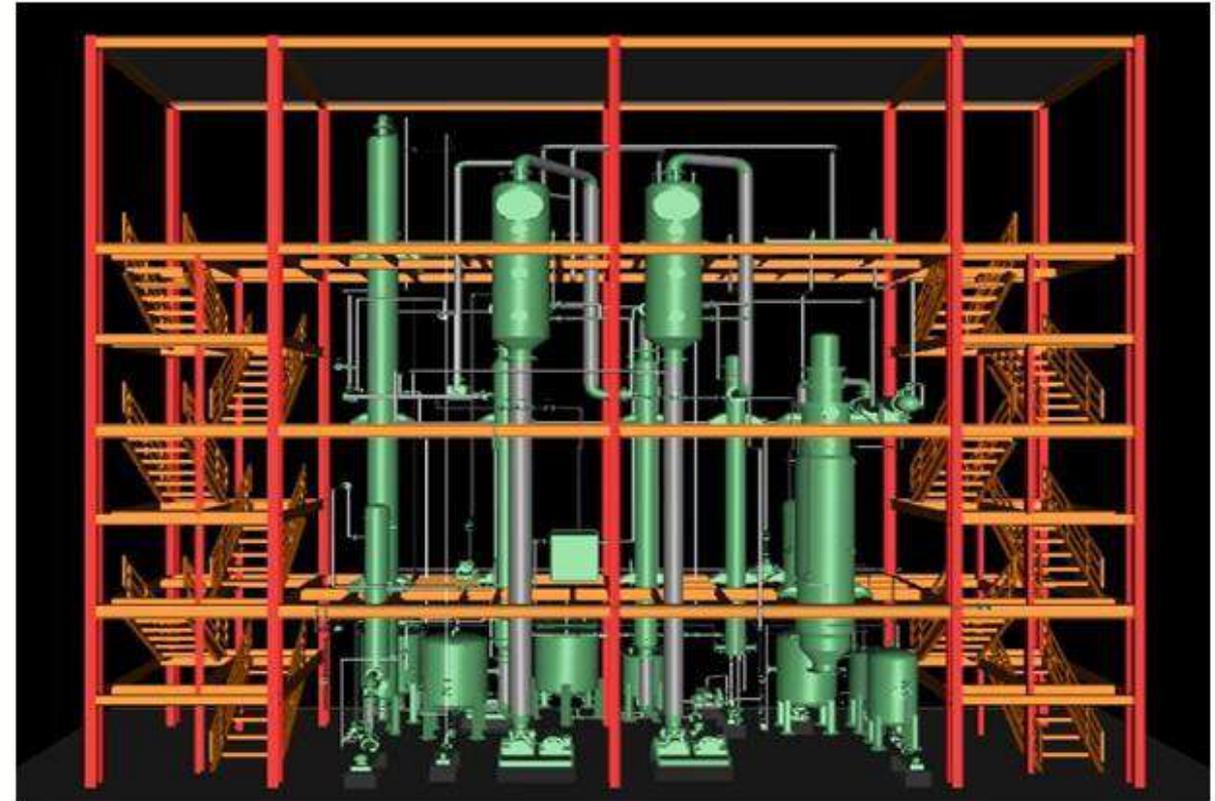
MVRE- Advantages

- ✓ Continuous heat source is not required. Only initial heat source is required to start the system.
- ✓ The system generated the self heat by compressing the generated steam in the system.
- ✓ cooling water is not required
- ✓ OPEX is very less, as Energy costs will be cut down.
- ✓ Reduces more CO2 imprints
- ✓ Environmental friendly.
- ✓ Reuse of the recycled water.

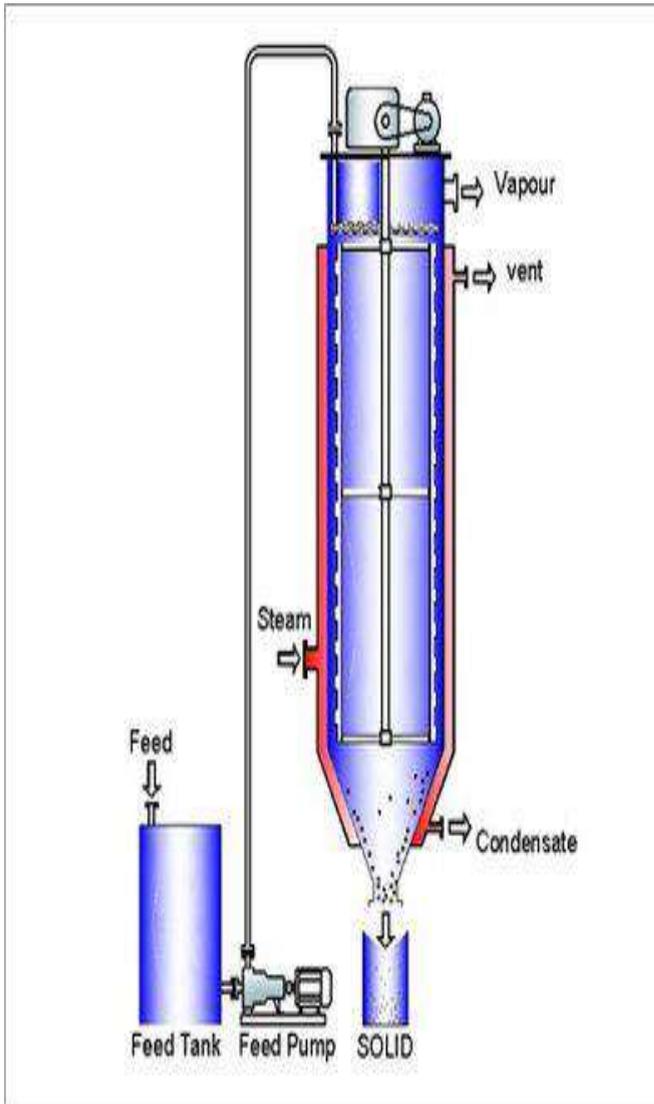


Application of Evaporator

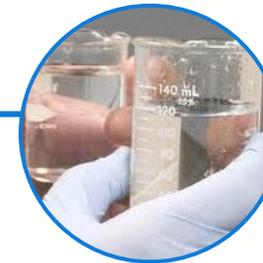
- ◆ Industrial effluent concentration
- ◆ Brine liquid concentration
- ◆ Recovery of metal salts
- ◆ Concentration of pharma and textile effluent
- ◆ Pharma product concentration
- ◆ Concentration of RO reject till saturation of salts in dissolve liquid
- ◆ Secondary treatment
- ◆ Dairy industry for milk evaporation
- ◆ Fruit and tomato juice concentration



ATFD-Agitated Thin Film Dryer



Concentrated Effluent From MEE



Condensate Water



Dry Solid Outlet

Advantages of ATFD

- ◆ Can be used to dry the concentrated effluent or to extract product from the mixture.
- ◆ Can operate in high vacuum.
- ◆ Efficient quality of product
- ◆ High Heat transfer coefficient & high evaporation efficiency with short residence time
- ◆ Effective operation for oxygen sensitive products
- ◆ Dry solid or wet solid having moisture of 5-10% is achievable depend on the feed parameters.
- ◆ Powder of uniform consistency ,eliminating downstream pulverize.
- ◆ Easy handling and hassle free operation.



ZLD Application in various industries



◆ Bulk Drugs, API, Pharmaceuticals and Intermediates Industries.



◆ Petrochemicals and Chemical Industries



◆ Food and Dairy Industries



◆ Textile and Dyeing Industries.

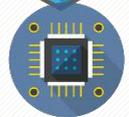


◆ Spent Wash Treatment for Sugar Industries.



◆ Breweries wastewater recycling

◆ Common Effluent Treatment Plants



◆ Semiconductor Manufacturing Industries



◆ Battery Manufacturing industries



◆ Mining industries



◆ Nuclear industries



◆ Metals and Minerals Industries



◆ Automobile Manufacturing Industries



◆ Paper Industry



◆ Desalination

Advantages

- ◆ 95% to 99% of water from industrial wastewater can be recycled.
- ◆ ZLD provides good quality of water, leaving only solids as waste.
- ◆ Reduces the raw water consumption results in investment savings
- ◆ Minimal Utility Consumption
- ◆ Minimal Energy Consumption
- ◆ Less Carbon Foot Print
- ◆ Environmental Friendly.
- ◆ Recovery of byproducts
- ◆ Recovery of salts
- ◆ Recovery of solvents
- ◆ Conservation of water



Highlights of Installations



System: Double Effect Evaporator & ATFD

Capacity: 5 KLPD

Location: Bhiwadi, Rajasthan.



System: Stripper Column, Double Effect Evaporator & ATFD

Capacity: 25 KLPD

Location: Gairulla, Uttar Pradesh.



System: Stripper Column, Five Effect Evaporator & ATFD

Capacity: 500 KLPD

Location: Vizag, Andhra Pradesh.



System: Primary Treatment, Stripper Column, Tubular Falling Film Evaporator with MVR Fan, Triple Effect Forced Circulation Evaporator (MEE) with Agitated Thin Film Dryer (Existing).

Capacity: 200KLPD

Location: Milestone-18, Ambala-Kalka Road, Village & P.O. Bhankharpur, Derabassi, Distt. SAS Nagar, (Mohali), Punjab-140201, India.



System: ETP, UFRO, MEE with ATFD.

Capacity: 100 KLPD

Location: Hyderabad.



System: TFE-MVR, Filter Press, FCE-MVR & ATFD System.

Capacity: 100 KLPD

Location: Gurgaon, Haryana.



System: *Quadruple Effect Evaporator & ATFD*

Capacity: *110 KLPD*

Location: *Murud, Mumbai, Maharashtra.*



System: Double Effect Evaporator & ATFD

Capacity: 51 KLPD

Location: Jaipur, Rajasthan.

Driplex Water Engineering Pvt. Ltd.



System: *Quadruple Effect Evaporator & ATFD*

Capacity: *80 KLPD*

Location: *IOCL Dibrugarh, Assam.*



System: Stripper Column, Triple Effect Evaporator & ATFD

Capacity: 30 KLPD

Location: Solapur, Maharashtra.



System: TFE-MVR, Filter Press, FCE-MVR & ATFD System.

Capacity: 160 KLPD

Location: Hyderabad.



System: Stripping Column, Triple Effect Evaporator & ATFD

Capacity: 70 KLPD

Location: MIDC Pathalganga, MH.



System: MVRE & ATFD

Capacity: 20 KLPD

Location: Gujarat

Piramal Glass



System: MVRE with Pusher Centrifuge

Capacity: 22 KLPD

Location: Gujarat



Electrically Driven
Zero Steam Plant

MVRE Pilot Plant



- **Capacity: 10 KLPD**
- **Feed Rate: 500 Kg/hr.**
- **Dimensions: 9.14 m X 2.45 m X 3.35 m (L*B*H) .**



Thank You For Your Attention