



HEAT CHEM ENGINEERS PVT. LTD. COMPANY PROFILE

An ISO-9001 2008 CERTIFIED Co.

ENGINEER – DESIGNER -FABRICATOR

Plot No. 4608. Phase IV. G.I.D.C. Industrial Estate. Vatva, Ahmedabad-382 445.

Gujarat (India)

Phone : 079-25840092, 25840094 Fax : 0091-79-25840092 Cell. : 0091-960 12 62766

E-mail : sales@heatchem.net URL : www.heatchem.net

INTRODUCTION

RE: ENGINEER, DESIGNER, & FABRICATOR OF VARIOUS EQUIPMENTS AS UNDER:

Dear Sirs, We introduce ourselves as a leading manufacturer, designer & supplier of following equipments and we are supplying our equipments since 3 decades to Indian companies & Multi-national companies.

We also take this opportunity to emphasis that we are particularly known for the quality and take all necessary steps to adhere to the Delivery Schedule. We are having our strict quality inspections from raw material to dispatch. We also work under several third party inspecting agencies and they are caring out stage wise inspection as per their quality plan at our works.

We specialize in the Manufacture of Heat Exchanger such as Finned tube, (spirally wound), Internal Star fins (MS/SS//Copper/Alum.), Reaction Vessels, Receivers, Condensers, Chillers, Dryers, Packed Columns, Blenders, Screw Pressure Leaf Filters, Storage Tanks, Absorption Columns, Steel Pots, Furnace Pots, Vessels, Chimnies, Aluminium Tanks, Copper Coils, Lead Coils, Rollers, Vacuum Nutches, Vacuum Receivers, Air Handling Units (Double/single Skin), Fan Coil Unit, DX/CW/HW Coils, Evaporative Cooling Unit etc. from Stainless Steel, Mild Steel, Copper, Brass & Aluminium.

We are having facilities like Motorized Hydraulic pump, X-ray Test, Non-destructive Test, Plasma cutting m/c., Argon welding m/c., Bending m/c., Drilling m/c., Radial drilling m/c. etc. Our Work-shop is approved by several reputed Third party Inspecting Agency & Explosive Authority of India, Nagpur, Technimont ICB Ltd., Bax Counsel Inspection Bureau, SMPS Consultants etc.

We have also got honor from Hon. Indian Ministry of Commerce for our good and efficient power saving equipments design.

Thanking you and looking forward to receiving your valued response, we remain,

Regards, For HEAT CHEM ENGINEERS PVT. LTD.

**NIRANJAN SHAH
CELL: 96012 62766**



Profile of HEATCHEM ENGINEERS PVT. LTD.

- FULL NAME OF THE COMPANY: **HEAT CHEM ENGINEERS PVT. LTD.**
- ADDRESS: **PLOT NO. 4608, PHASE – IV, GIDC VATVA,
AHMEDABAD – 382 445. (GUJARAT) INDIA.**
- YEAR OF FOUNDATION: **1992 (1974 to 1992 – known as Pressels Engineers)**
- OWNER: **NIRANJAN N. SHAH**
- CELL No. **96012 62766.**

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Mr. Niranjn Shah,
who is a Mechanical
Engineer ,the owner
of HeatChem
Engineering is having
35years of experience
in the field of all types
of Engineering &
Process Equipment.

He has been awarded
by Minister's,
Government of India
for Energy saving
design for Industries.

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Profile of HEATCHEM ENGINEERS PVT. LTD

1. PRESSURE VESSELS.
2. REACTION VESSELS
3. STORAGE TANKS
4. SHELL & TUBE HEAT EXCHNAGERS
5. FINNED TUBE HEAT EXCHANGERS
6. PLATE TYPE HEAT EXCHANGER
7. BLOWERS
8. RECEIVERS
9. BLENDEERS
10. OIL COOLERS
11. HUMIDIFIERS
12. CHIILER CONDENSOR
13. PACKED COLUMN
14. EVAPORATOR
15. BABY BOILER
16. AIR HANDALING UNIT.

**MANUFACTURER OF STAINLESS
STEEL EQUIPMENTS AS PER CGMP**



**FOR
CHEMICAL,
PETROCHEMICAL,
OIL,
REFRIGERATING,
PHARMA, FOOD &
DAIRY, TEXTILE,
PLASTIC, POWER
INDUSTRIES**

We also manufacturing all items in Mild Steel (M.S.) & Stainless Steel (S.S.)

- Pressure vessels • Trolly for material handling
- Vessels for food & dairy industry • Shell & tube heat exchanger & finned tube heat exchangers • Blenders & agitators • Asme/ general purpose vessels • Pharma/ hygienic vessels • Portable pressure vessels
- Pressue Filter • Blower • Customised fabrication work

Our shop is approved by
third party inspecting authority

Heat Chem Engineering Co.


Plot No. 4608, Phase IV, G.I.D.C. Indl. Estate, Vatva, Ahmedabad- 382 445.
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E-mail: heatchem@icenet.net Website: www.heatchem.net

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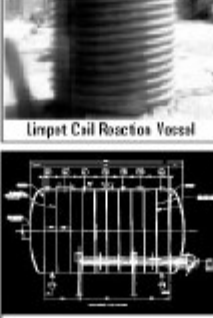

INDUSTRIES:

1. CHEMICAL & PETROCHEMICAL.
2. PHARMACEUTICAL
3. PLASTIC PROCESSING
4. TEXTILES.
5. POWER GENERATION.
6. STEEL PLANTS.
7. PULP & PAPER
8. FOOD PROCESSING
9. AIR CONDITIONING
10. ENGINEERING
11. SUGAR MILLS.
12. MINING INDUSTRIES.
13. CEMENT PLANT.
14. AUTOMOBILE.



Heat Chem

Engineering Co.

 <p>Cooling System for Multi Layer Extruder Plant</p>	 <p>Limpet Coil Reaction Vessel</p>	 <p>Split type Heat Exchanger for Par-boiled Rice Plant Dryer</p>
 <p>DWID type Blower for Rice Par-boiled Dryer Plant</p>	 <p>Shell and Tube Heat Exchanger</p>	 <p>Re-Boiler</p>

Other Chemical Plant & Pharmaceuticals Equipment such as Agitator, Blender, Packed Column, Distillation Plant and Finned Tube

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List of Major Customers

1. DGP Windsor Limited: Plastic processing
2. Kabra Extrusion: Plastic Processing
3. Nova Petrochem: Petrochemicals.
4. Bharat Heavy Electricals Limited: Power Generation
5. National Thermal Power Corporation: Power Generation.
6. Arvind Mills: Textiles.
7. Sabar Dairy: Dairy
8. Ultratech Cement : Cement
9. Vidarbha Sugar mills: Sugar Mill
10. Gujarat State Fertilisers : Fertilisers & Chemicals
11. Juneja Proteins: Food Processings.
12. KRBL: Rice Mill
13. Shah Alloys Limited: Steel
14. Torrent Pharma Limited: Pharmaceuticals
15. Chiripal Petrochemicals: Petrochemicals
16. Nandan Exim Pvt. Ltd: Yarn Processing
17. Torrent Power: Power Generation
18. Ultratech Cement: Cement Plant.
19. Sicgil Industries: CO₂ GAS.
20. Tata Power.

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Approvals & Qualification

We are approved with following Inspecting agencies:

1. Department of Explosives, Nagpur, India.
2. Bax Counsel Inspection Bureau.
3. Tecnimont ICB Limited.
4. National Thermal Power Corporation Ltd.(N.T.P.C.)
5. Bharat Heavy Electricals Limited. (BHEL)



Machinery & Plants:

- Plant Area: Fully Covered: 703 Sq. meter
- Electric Power: 120 HP
- 10T EOT crane.
- 1T EOT crane.
- Argon Welding Machine: 2no.
- Inverter type welding m/cne: 450 Amp. & 350 Amp. - 1no. Each
- Generator type welding m/cne: 600 Amp. –1no.
- Plasma Cutting M/cne: up to 25mm thickness
- Bending m/cne : motorized: upto 20mm X 1200mm
- Hydro tester: 2no. Motorized, 1no. Manual
- Tube Expander: various capacities in Automatic Torque Control
- Radial Drill m/cnes: 1no. Capacity: 1 ½” dia. hole
- Tube cutting m/cne: 1no.
- Lathe M/cne: 2no.
- Spiral type continuous wound Fin tube m/cne
- Air Compressor : 5 HP capacity for Painting. 10HP capacity for Plasma Cutting.
- Gas cutting & Pug cutting m/cne
- Hand Grinders & Bench grinders
- Buff Polishing m/cne.

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REACTORS FOR SAUDIARABIA



S.S. Jacketed Reaction Vessel With Mirror Finish



S.S. Jacketed Reaction Vessel



**MIROR POLISH
REACTOR.**



PRESSURE VESSELS



JACKETED PRESSURE VESSELS



Jacketed Reactor.



Limpet Coil Reactor.



D. Hydrator Tank for
Distillation

Inside Flouting Head
Type Heat Exchanger.



**DM WATER
STORAGE TANK S.S**



**S.S. 316 Storage Tank Inside Mirror Finish as
per GMP.**



S.S. Tank Type Cooler for Pipe Extruder Machine. We Can Also Design as per the Client Requirement.



Air Receiver 40 KL

20 M3 AIR RECEIVER



20 M3 AIR RECEIVER



We Manufacture Air Receiver in Different Capacity form 1 M³ to 50 M³ Capacity.



**LOADING OF M.S.
BOTTOM STILL FOR
OIL PANT CAPACITY
7.2 M₃**





LOADING OF DISTILLATION COLUMN SKIRT



LOADING OF M.S. PERCOLATING COLUMN



LOADING OF VACCUM RECEIVER ALL THE CAPACITY





**M.S. BOTTOM STILL
FOR OIL PANT
CAPACITY 7.2 M₃**

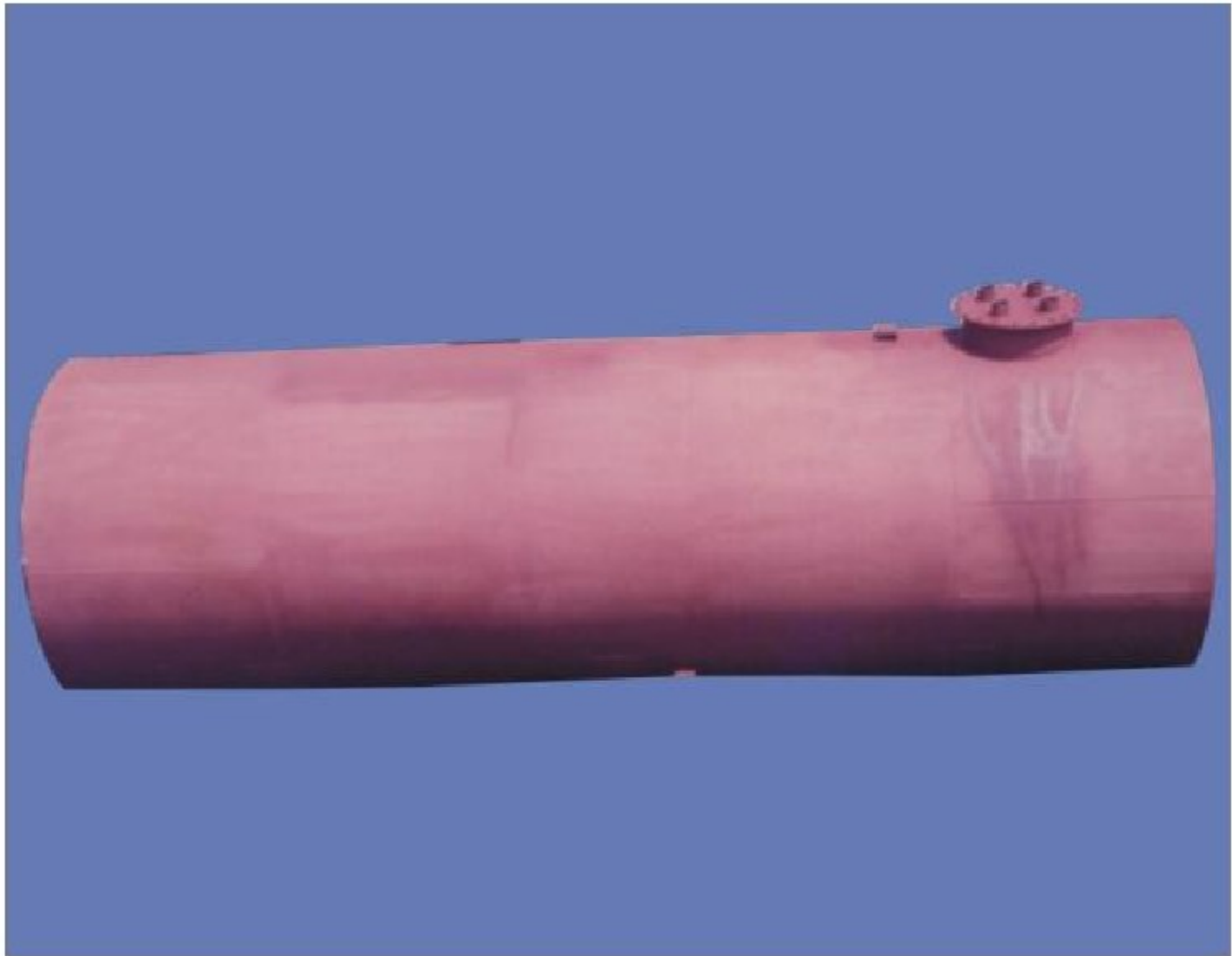




M.S. PERCOLATING COLUMN



**VACCUM RECEIVER
ALL THE CAPACITY.**



STORAGE TANK



DISTILLATION STILL





Heating Coil For
Dehydrated Vessel





Different Size Finned Tube



**COPPER FIN S.S. TUBE
AIR FINS HEAT
EXCHANGER FOR FLUID
BED DRAYER**



**COPPER FIN S.S. TUBE
AIR FINS HEAT
EXCHANGER
MANUFACTURING
PROCESS**

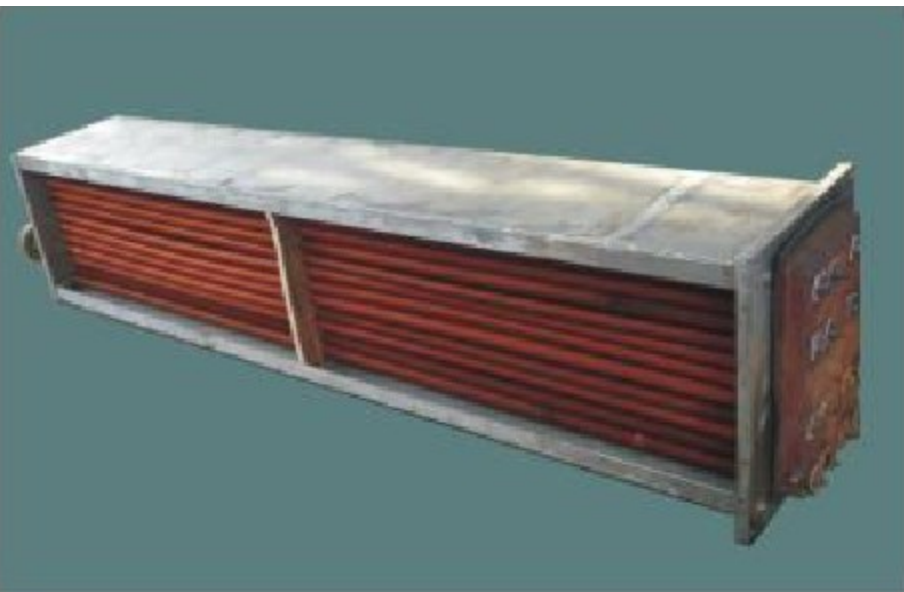


MANUFACTURING PROCESS OF HEAT EXCHANGER





U TUBE BUNDLE



Fin tube
Generator Cooler
20 Ft. Long Made
of Admiralty Brass
Tube Spirally
Wound with
Copper Fines for
Power Plant.





Fin tube heat exchanger with channel construction fully open
able and easy cleaning and more efficient



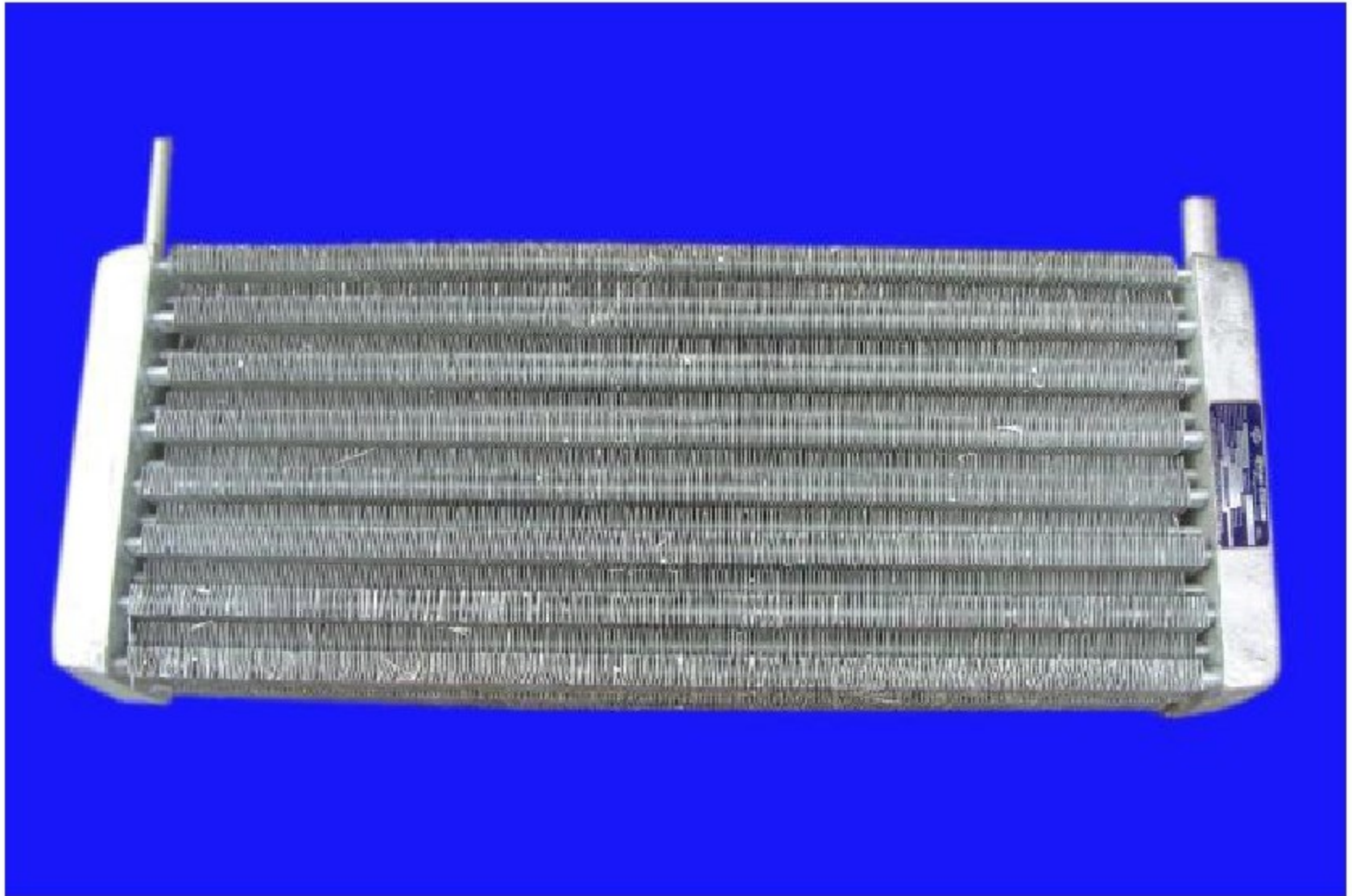
Fine Tube Heat Exchanger.



Copper Tube to Copper Fines Heat Exchanger for Cooling of Oil Ideal For Salty And Corrosive Water.



**Stainless Steel Finned Tube
Heat Exchanger**

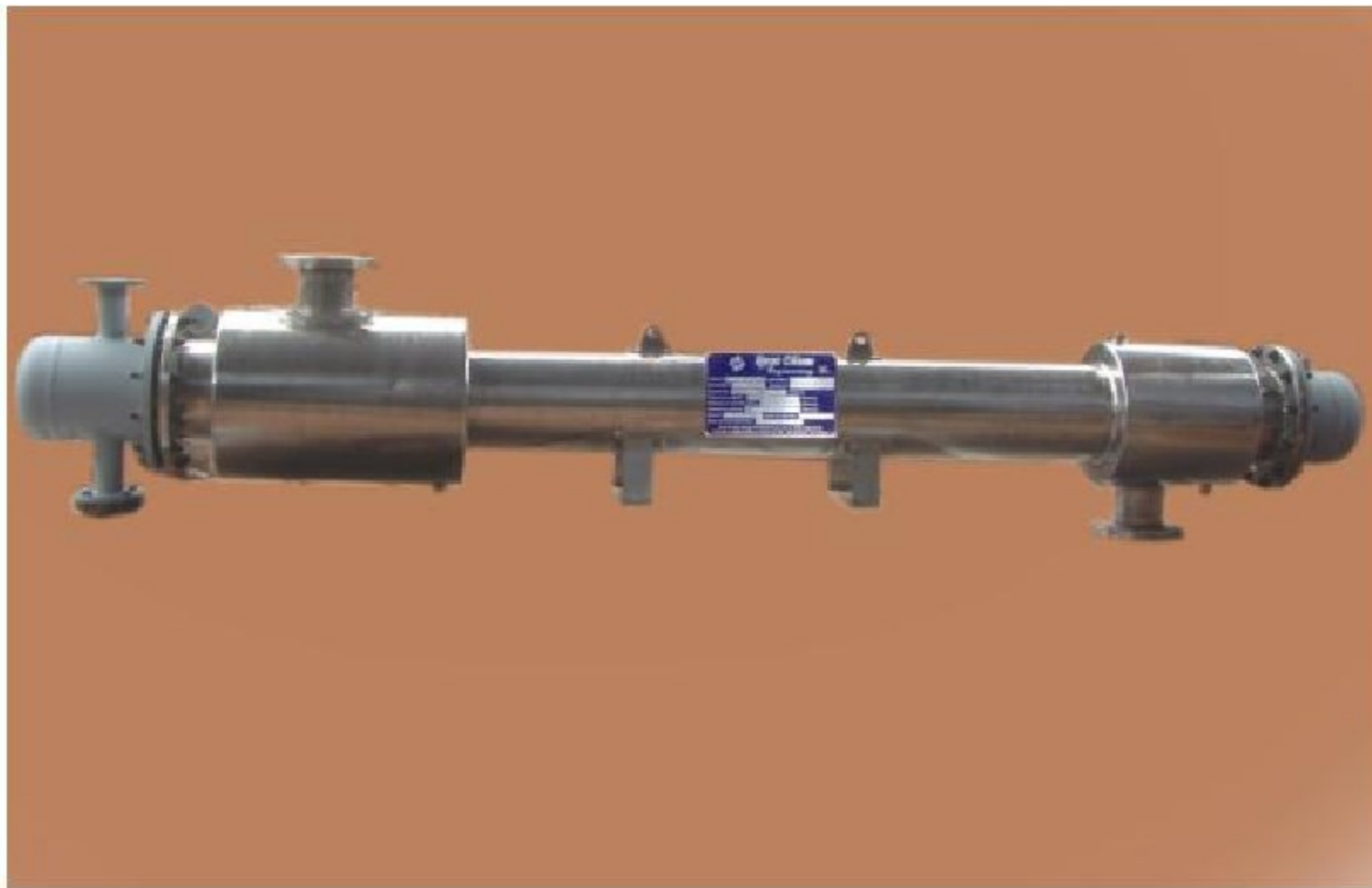


Fine Tube Heat Exchanger from Rectangle Fines

New Split Type Heat Exchanger



**We Manufacture Air
Fin Heat Exchanger
Open able Type
Suitable for easy
cleaning. We can
Manufacture in all the
alloys S.S. / M.S. and
Other's.**



CO2 Gas Cooler s.s .



**STAINLESS STEEL
HEAT EXCHANGER
FOR DM & SOFT
WATER.**



S.S TUBE BUNDLE



CO₂ Condensor With Expansion Shell For CO₂ Gas



Shell & Tube Type Heat Exchanger & Receiver



Shell & Tube Type Heat Exchanger



Cooler

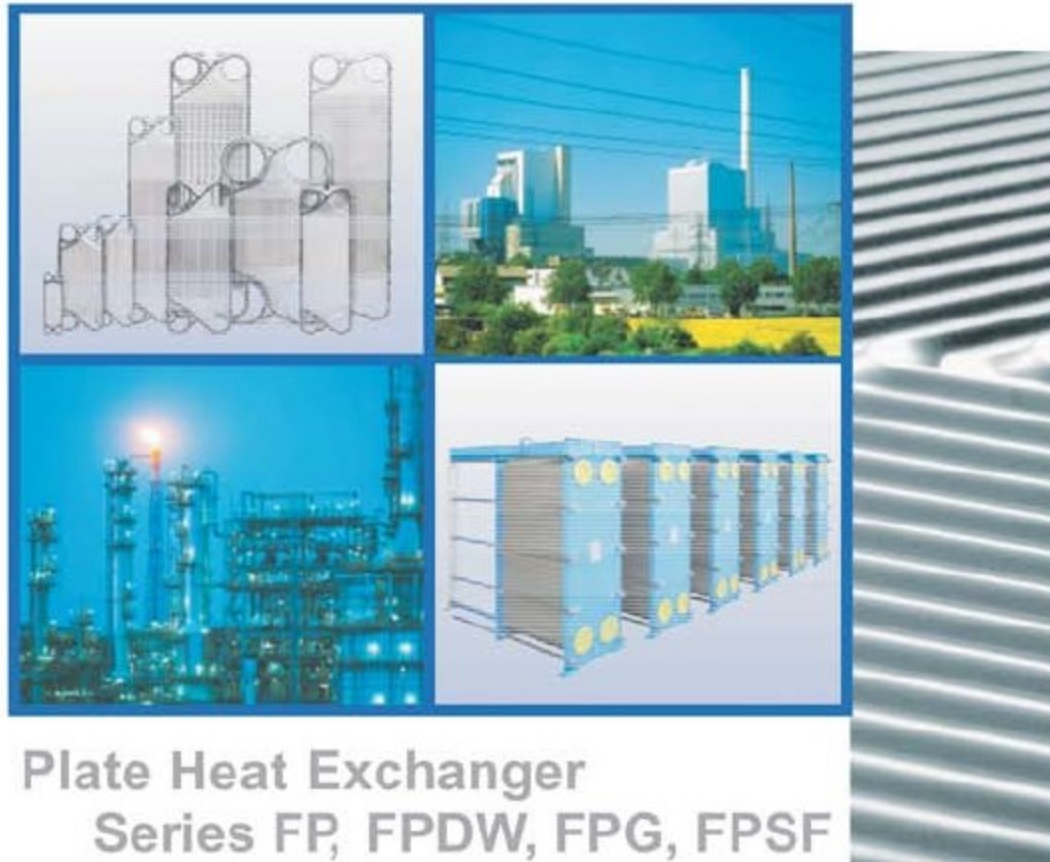


Plate Heat Exchanger
Series FP, FPDW, FPG, FPSF

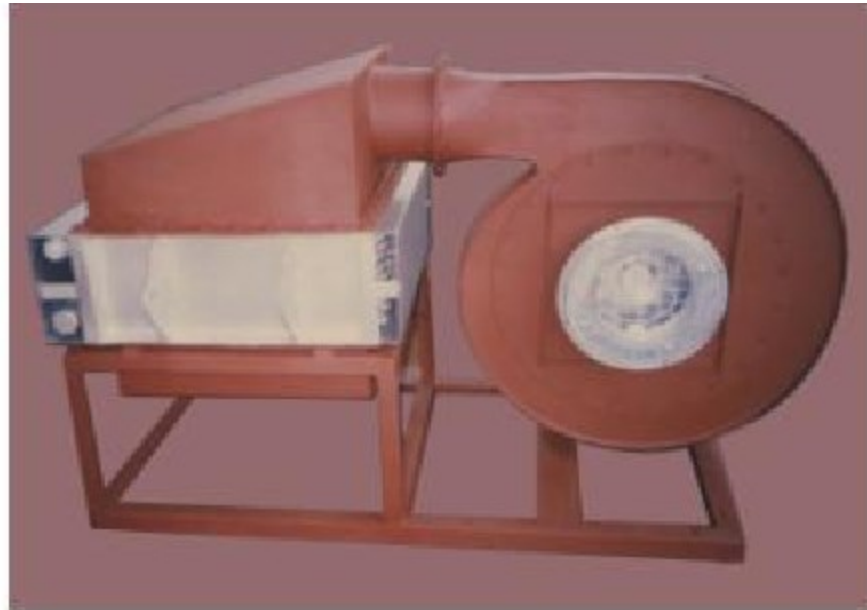
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Sole Sales & Service Provider in : Gujarat, Rajasthan, Chhatisgarh, Madhya Pradesh
for FUNKE Heat Exchanger India Pvt. Ltd. & FUNKE Wärmaustauscher Appartebau GmbH. Germany
Regd. Office : 37, Lavanya Society, Vasna, Paldi, Ahmedabad-7



Blower



Cooling System



**Cooling System Plant with
Distributor.**



We Manufacture DWDI Type Blower with the efficient and power saving DESIGN. We can design any size according to customer require. We are also Manufacture SWSI Type and Excel Flow Type Blower in Different sizes.



**70 FIT LONG
DISTILATION COLUMN**

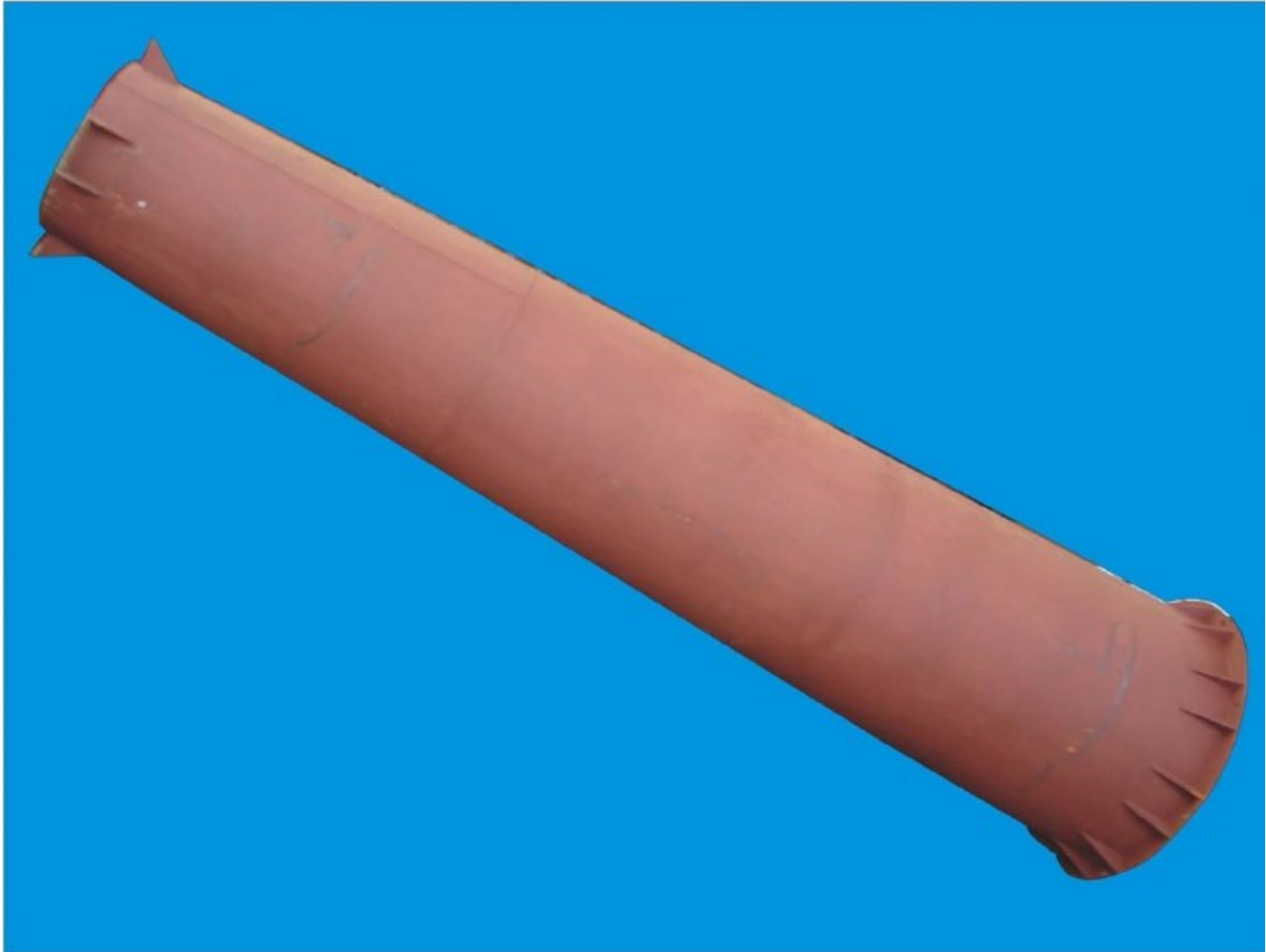


LOADING OF 70 FIT LONG DISTILATION COLUMN





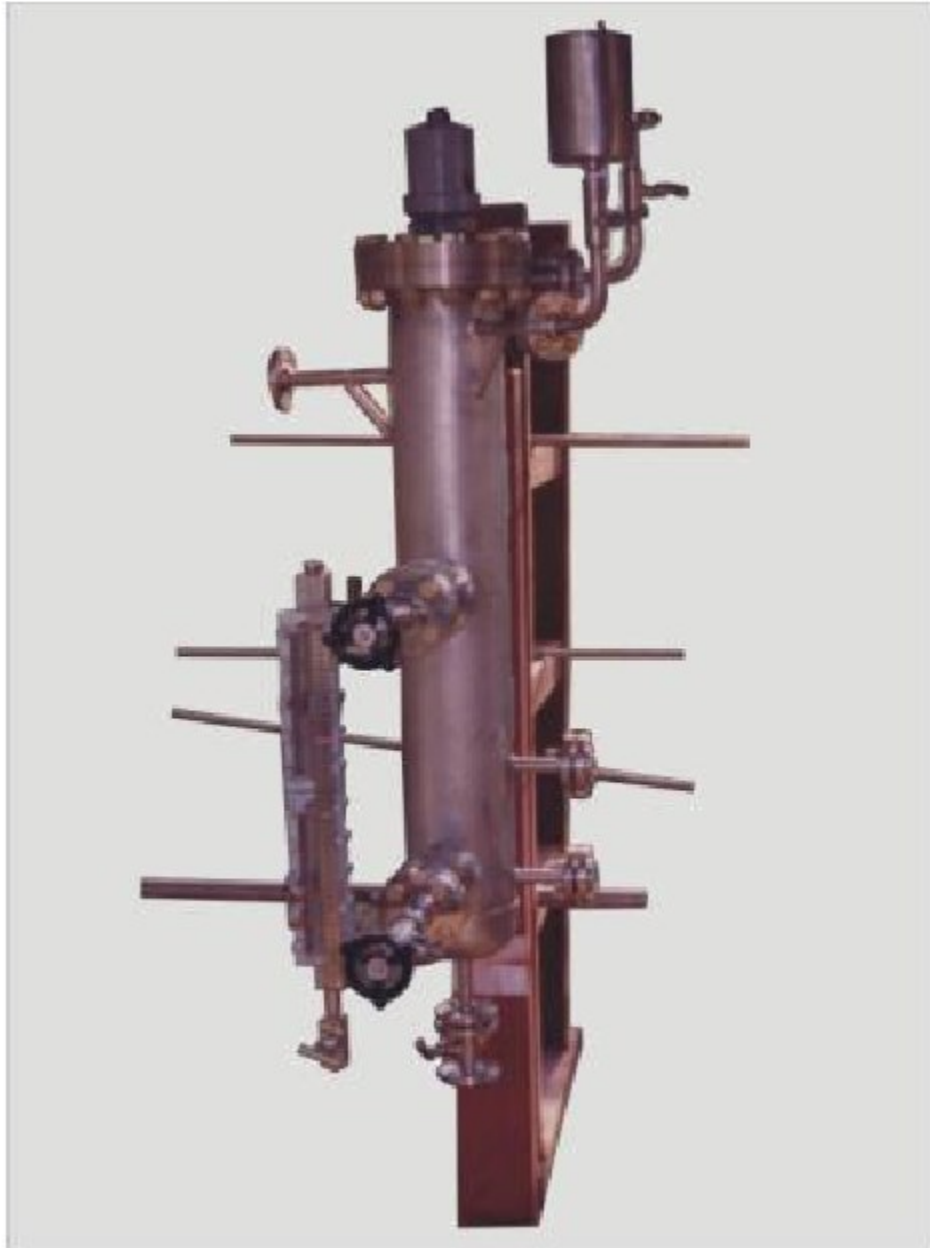
Lub Oil Distillation Unit



DISTILATION COLUMN SKIRT



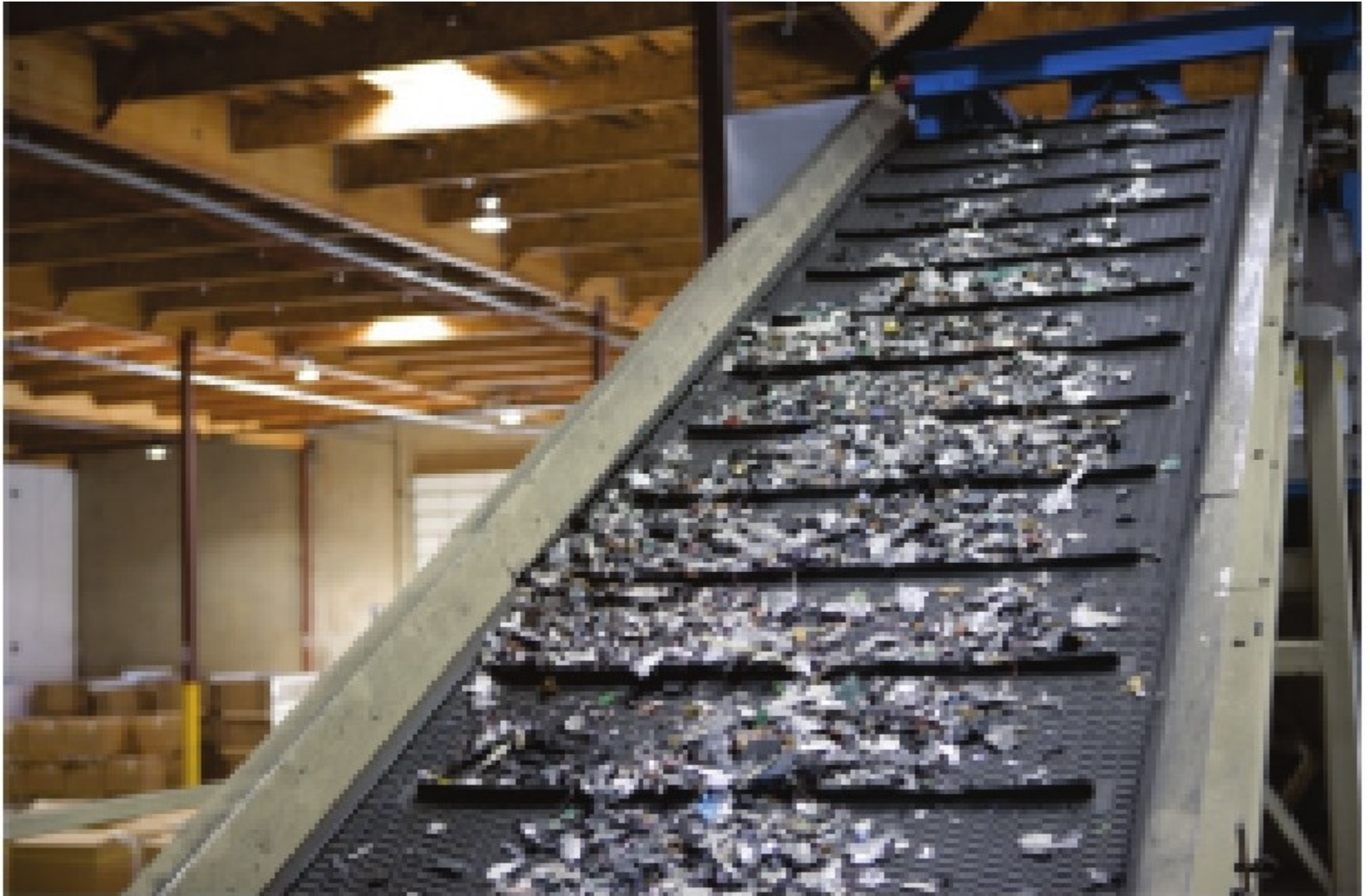
DISTILLATION COLUMN WITH CONDENSOR



Water Softening Plant.



**Skid Unit for Vacuum System,
Consist Receiver, Heat Exchanger
and Vacuum Pump Etc.**



Conveyer



Conveyer



Conveyer



Conveyer



Conveyer