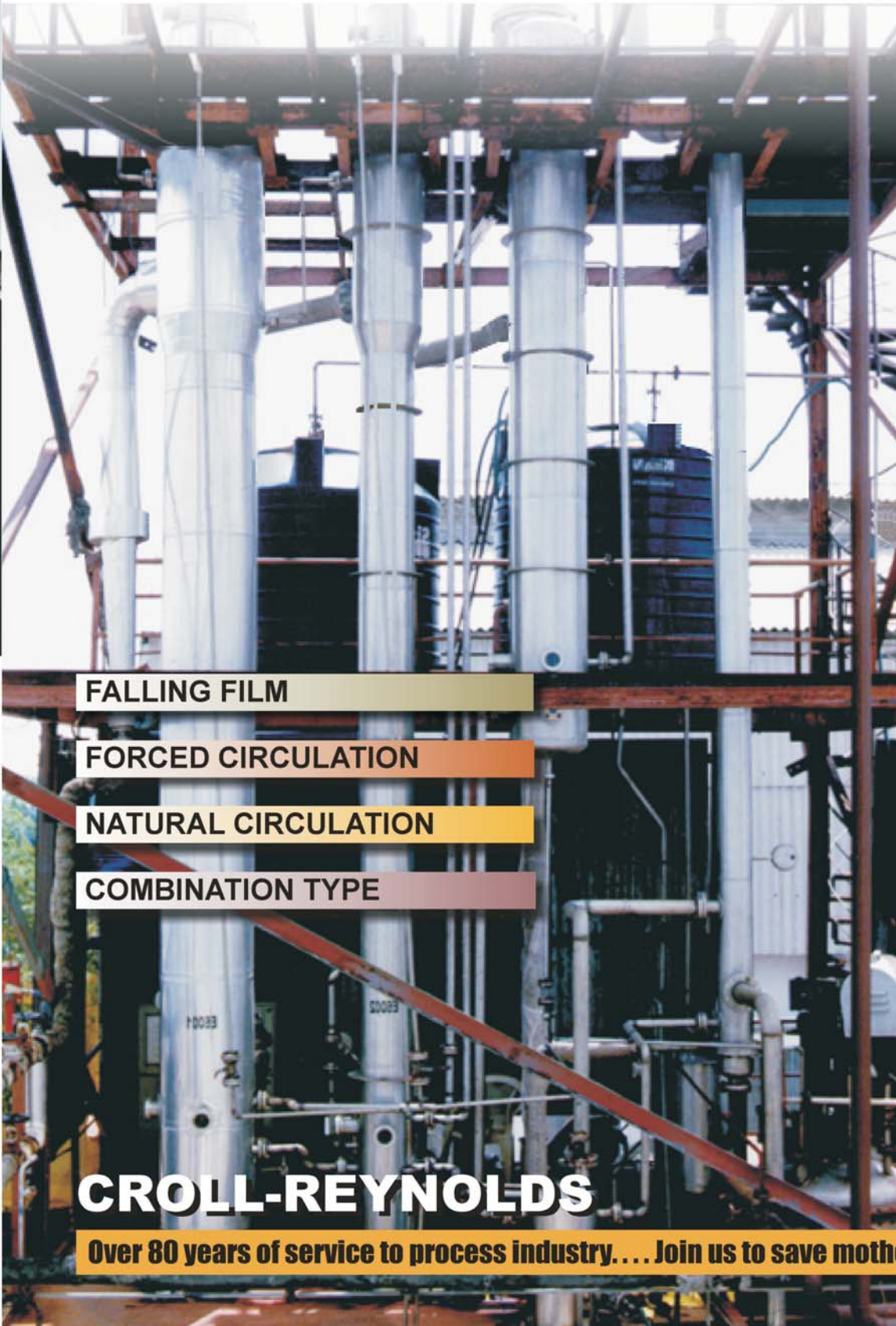


Single Source for Evaporators....

MAZDA

EVAPORATION TECHNOLOGIES

Concentration with a Difference....



FALLING FILM

FORCED CIRCULATION

NATURAL CIRCULATION

COMBINATION TYPE

CROLL-REYNOLDS

Over 80 years of service to process industry... Join us to save mother earth



Pure Water



Foods



Pharmaceuticals



Dyes



Fine Chemicals



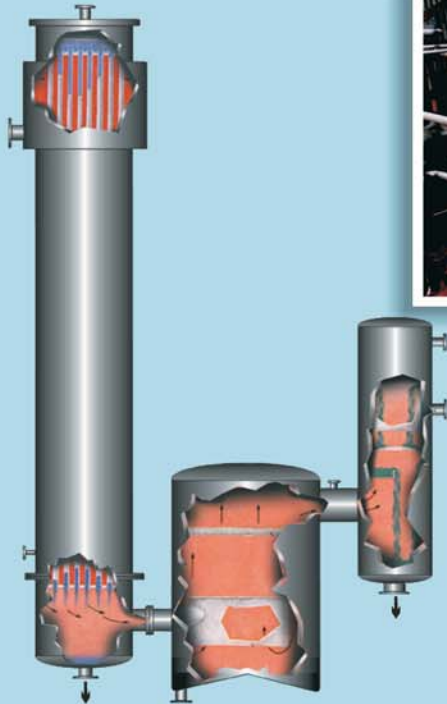
**Equipment & Machinery
...and many more**

Mazda now offers its latest Evaporation Technology for the most diverse applications ranging from Pharmaceuticals, Chemicals, Herbal Extracts, Dairy, Beverages and Food Processing to Process Effluents.

Integrated with world class Vacuum Technology from Croll-Reynolds Inc., U.S.A. Mazda offers total process solutions to the Evaporator market.

FALLING / RISING FILM EVAPORATOR

Mazda Evaporator Technology offers custom built solutions covering every possible aspect of the concentration of industrial fluids. With a vast process experience, expertise in Design, Engineering and Process Integration, unparalleled fabrication facilities and a state of art Pilot Plant, Mazda offers Evaporation Plants with the most optimal operating cost vis-a-vis initial investment.



Advantages

- Ideal for clear, heat sensitive, foaming and corrosive solutions
- Continuous, single pass operation with minimised retention times
- Single or multiple units with high heat economy
- High heat transfer co-efficients
- Low power requirement
- Simple construction
- Low floor space requirement

Applications

- Food
- Herbal Extracts
- Pharmaceuticals
- Dairy
- Dyestuff
- Black Liquor in Paper & Pulp
- Ammonium Nitrate
- Sugar Syrups



The long tube film evaporators comprise of Falling Film and Rising Film Evaporators which are recommended for non viscous, non-crystal forming and highly heat sensitive liquids whose original properties have to be preserved.

**> World Class Thermo Vapour Compression
Technology from Croll Reynolds Inc. USA**



FORCED CIRCULATION EVAPORATORS

Mazda Forced Circulation Evaporators are recommended for the concentration of high viscosity solutions/slurries having tendency to crystallize or produce scales.

Advantages

- Ideal for high crystallizing and high viscosity solutions & slurries
- Single or multiple effect operation
- High operational flexibility, heat transfer co-efficients, vapour liquid separation
- Low temperature rise operation
- Minimised fouling due to high velocities & static head
- Available in a range of corrosion resistant materials
- High turn down ratio

Applications

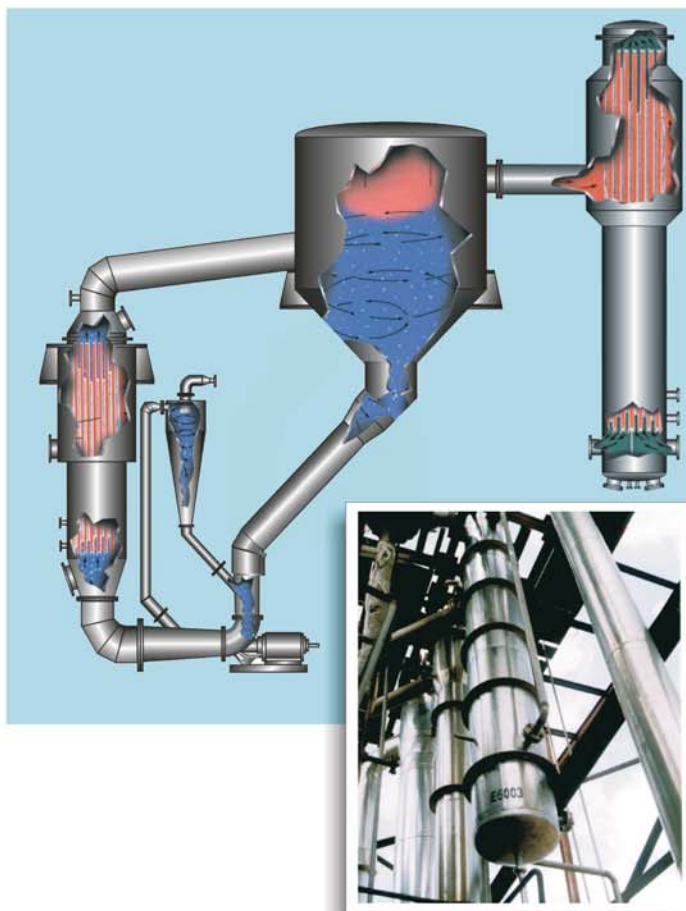
- Common Salt
- Herbal Extracts
- Calcium Chloride
- Sodium Sulphate
- Ammonium Sulphate
- Manganese Sulphate
- Ammonium Nitrate

Pilot Plant

In order to determine the most suitable type of evaporator, to simulate the actual process conditions, and understand the effectiveness of the equipment Mazda has installed a full fledged pilot plant evaporator facility.

The Pilot Plant consists of Falling Film Evaporators & Forced Circulation Evaporator systems complete with vapour thermo-compressors and slurry classifiers.

The Pilot Plant is manned by skilled engineers & technicians who will provide advice and assistance during trials.



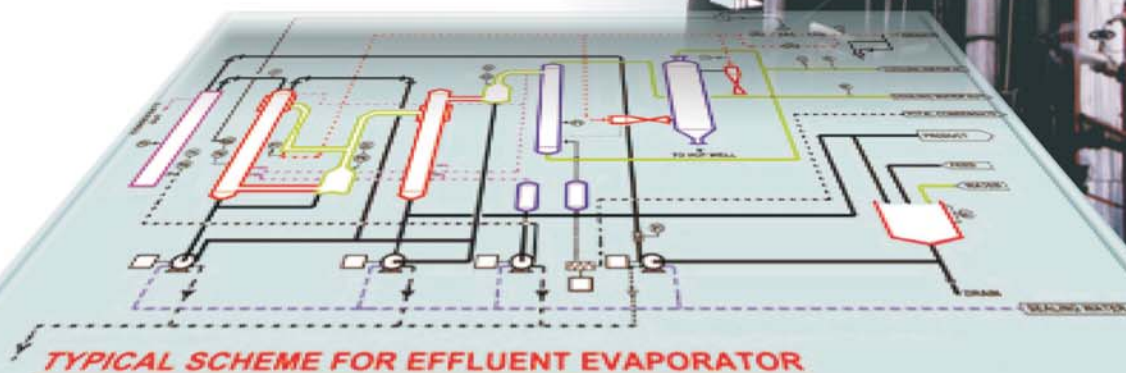
- > **Maximum Energy Saving System**
- > **Optimisation to reduce operating costs**

Combination Evaporators for Effluent

Mazda offers combination of Film & Forced Circulation Evaporator Systems, specially designed for Effluent volume reduction and "Zero Effluent Discharge".

Advantages

- Ideal for effluents with high TDS, BOD, COD, toxic metals
- Effluent Volume Reduction upto 95%



Manufacturing Facilities

To ensure the quality of Equipment manufactured and to meet the delivery schedules, Mazda has set up a state of art Manufacturing facility exclusively for Evaporators at Ahmedabad using the latest production techniques



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