



Heat Exchanger

An ISO 9001:2008 Certified Company



Steam Distribution | Steam Generation | Customized Package Solution | Steam Accessories | Steam Services

Types of Volfram Heat Exchangeres :

VOLFRAM Heat Exchanger Suitable for heating & Cooling Application's. Designed & manufactured according to site requirement and specifications.



- **Shell & Tube Type Heat Exchanger (Horizontal & Vertical)**
- **Finned Tube Type Heat Exchanger**
- **Plate Type Heat Exchanger**
- **Plate Coils**
- **Tubular Heat Exchanger**
- **Submersible Type Heat Exchanger**

Volfram Shell & Tube Type (Horizontal & Vertical)

Widely used Heat exchangers, Majority for Heating application. One media flow through the tube and other media over the tubes in the shell, so as to exchange of the heat.

Features:

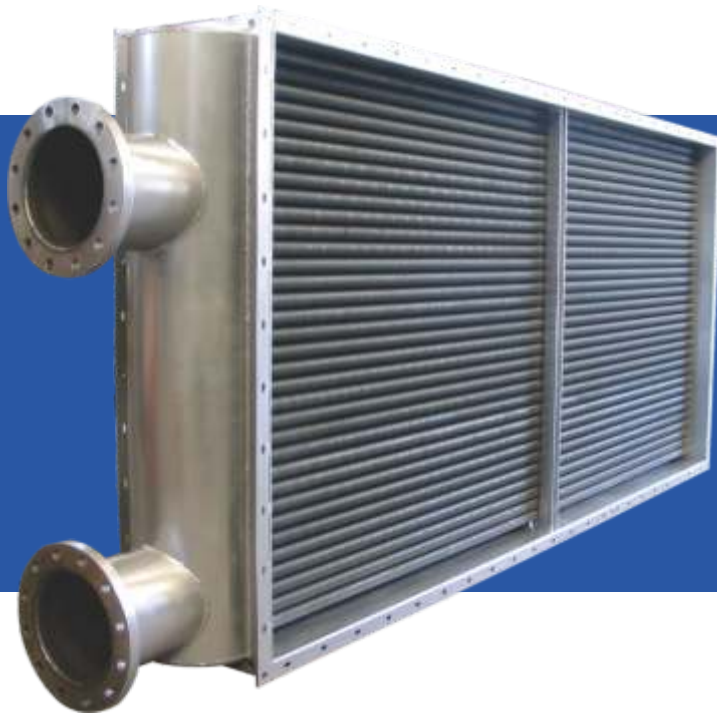
- MOC available in MS, SS 304, SS 316 (Also Food Grade material can be used for specific PHARMA & FOOD PRODUCT Applications)
- Rigid and seamless construction, designed as per TEMA
- These are easy to install, as comes with saddle mounting.
- High quality pre- cut Gaskets used like Grafite, Grafoil, PTFE as per application.

Benefits:

- Wide range of heat transfer capacity, makes it suitable for most of the application.
- Easy to clean
- In-House precise designing ensures optimised heat exchanger design.

Applications :

- FO heating for Boilers, Hot water generation, De-Superheater's,
- Condensers, Heating or cooling applications.



Volfram Finned Tube Type

Volfram Finned Tube type Heat exchanger are used to heat or cool the Cold media Air with medias like Steam, Cooling Water or Hot Oil inside the tubes. The fins enhance the heat transfer rate by increasing the effective heat transfer area between the tubes, fins and surrounding.

Features:

- MOC : Fin – Aluminium / SS 304 / SS 316 Tubes – MS/ SS 304/ SS 316
- Rigid and seamless construction.
- Finned Tube Heat exchangers are designed to meet the specific duty condition as per requirement & site parameters

Benefits:

- Higher Heat Transfer rate
- Compact, light weight

Applications :

- Air Pre Heating using thermic fluid, steam, water.



Volfram Plate Type Heat Exchanger

The flow of fluid inside the heat exchanger is divided into several parallel streams as per no of plates. Inlet and outlet nozzles at the corners of the plates allow hot and cold fluids flow through alternating channels in the exchanger. These are gasketed PHE.

Features:

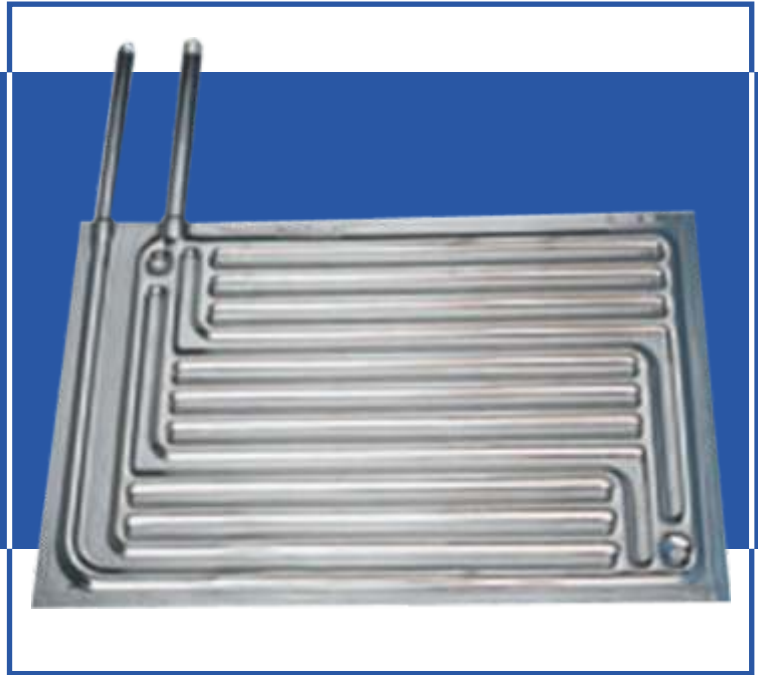
- MOC available in MS, SS 316
- Gaskets used in these are SS, EPDM, Silicon, Viton, as per the application requirement.
- The stainless steel construction guarantees a long and Low maintenance life.

Benefits:

- Large Heat Transfer Area
- Quick and easy to dismantle for cleaning.
- Light in Weight

Applications :

- Heating or cooling of fluids.



Volfram Plate Coils

These are steam based heating plates (Laser Welded type) to heat water in tanks, vessels, etc. The plate coils have inlet & outlet nozzles for steam insertion and condensate removal. Manufactured & designed as per specific application and required parameter.

Features:

- MOC available in MS, SS 304, SS 316
- Rigid and seamless construction.
- The stainless steel construction guarantees a long and maintenance free life.

Benefits:

- Large Heat Transfer Area
- No maintenance required.
- Light in Weight

Applications :

- Hot water Generation Tanks for Vacuum Tray Dryers



Volfram Tubular heat Exchanger

These type of HE are used to transfer heat between two Fluids. It facilitates both heating and cooling applications.

The unique feature is that it is a fully welded construction with a bellow-on-shell tube to absorb thermal expansion. Shell Tube consist of Tubes inside it, in which another media flows. Tubular Heat exchanger are typically connected in series and mounted on a frame. The shell tube is always smooth while the product tube is either corrugated or smooth depending on the application.

Particularly used in Food industries.

Features:

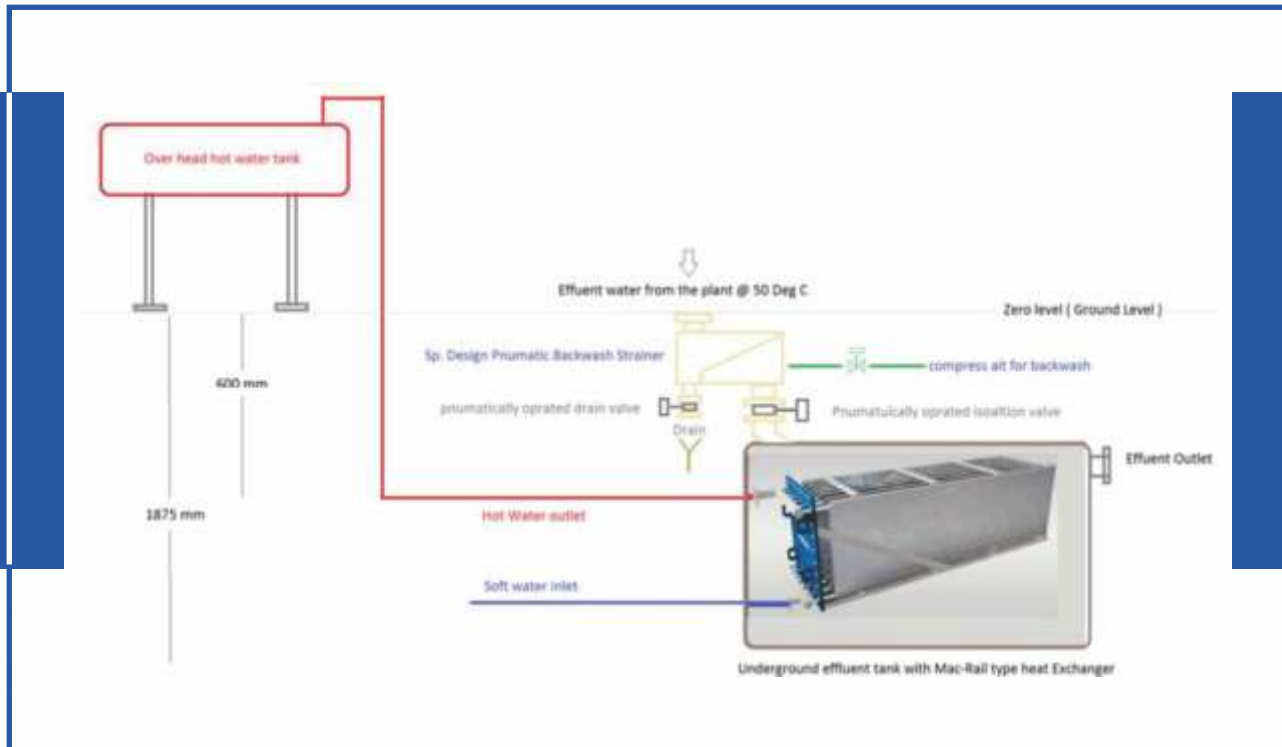
- MOC available in MS, SS 304, SS 316
- Rigid and seamless construction
- The stainless steel construction guarantees a long and maintenance free life.

Benefits:

- Easy to maintain.
- Efficient Heat transfer

Applications :

- Heating or cooling of fluids.



Volfram Heat Recovery from ETP Water

Textile processing operations are coming under increased scrutiny from environmental regulatory authorities because of the complex wastewaters and air emissions generated during the process.

In the textile industry steam is mainly use for heating water and drying. The hot water is use for various applications like washing, Bleaching and dyeing. As a need of process the hot liquor (water with chemicals) is drain & sent to ETP for the further treatment to maintain the BOD & COD levels before releasing to atmosphere.

How it works?

The ETP Water is pass through the tank with submerged Type Heat Exchanger, the ambient temperature fresh water is pass through the secondary side (inside the Tubular exchanger without any direct contact with the effluent water) the secondary water will extract heat from the hot ETP Water reducing the hot ETP Water temperature & make it ETP friendly.

Volfram Boiler and Steam Accessories



Steam Boilers



Condensate Recovery System



Rotating Plug Float Trap



Flow Meter



Pressure Gauge



SS Safety Valve



Non Return Valve



Steam Injector



Control Valve



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