



**X-FLOW**  
HEAT EXCHANGERS

Mfg. of Heat Exchangers & Services  
ISO 9001:2015 Certified Company

## Who We Are?

**X-FLOW**  
HEAT EXCHANGERS

is a specialized manufacturer of high-quality heat transfer equipment. We focus on durability, thermal efficiency, and precision engineering. Our facility is equipped to design and fabricate solutions that meet the critical cooling and heating needs of modern industries. Our Commitment We are committed to providing robust solutions that minimize downtime and maximize energy efficiency for our clients. Whether you need a standard unit or a custom-engineered solution, we deliver excellence.

## Company Overview

# Our Product Range

We manufacture a comprehensive range of heat exchangers designed for versatility and performance.

## 01. Shell and Tube Heat Exchangers

The Industry Standard: Engineered for high-pressure and high-temperature applications where reliability is non-negotiable.

Our shell and tube designs are built to withstand rigorous industrial environments.

- \* Key Applications: Chemical processing, oil & gas refineries, power generation, and hydraulic systems.
- \* Technical Highlights:
- \* Materials: Carbon Steel, Stainless Steel, Copper Alloys.
- \* Types: Fixed Tubesheet, U-Tube, and Floating Head designs.
- \* Capacity: Custom-designed to meet specific flow rates and thermal loads.



## 02. Plate Type Heat Exchangers (PHE)

\* High Efficiency & Compact: Designed for maximum heat transfer in a minimal footprint. Our plate heat exchangers use corrugated plates to create high turbulence, ensuring efficient thermal exchange even at low temperature differences.

\* Key Applications: HVAC, food & beverage pasteurization, pharmaceutical processing, and industrial refrigeration.

\* Technical Highlights: \* Plates: SS304, SS316, Titanium (for corrosive fluids).

\* Gaskets: NBR, EPDM, Viton (depending on fluid compatibility)

\* Maintenance: Easy to disassemble for cleaning and capacity expansion.



## 03. Air Oil Coolers

### \*Reliable Air Cooling:

An ideal solution for cooling hydraulic oils and lubricating fluids where water cooling is not feasible.

These units utilize ambient air to effectively dissipate heat, ensuring the longevity of your hydraulic machinery.

\* Key Applications: Mobile hydraulic machinery, hydraulic power packs, compressors, and machine tools

### \* Technical Highlights:

\* Fan Drive: AC Electric, DC Electric, or Hydraulic Motor options.

\* Core: Aluminum bar and plate or copper tube options for high conductivity.

\* Durability: Rugged construction to withstand vibration and harsh environments.



## 04. Tube Bundles

(Replacement & Retubing)

### \* Revitalize Your Equipment:

We specialize in manufacturing high-precision replacement tube bundles for Shell & Tube heat exchangers.

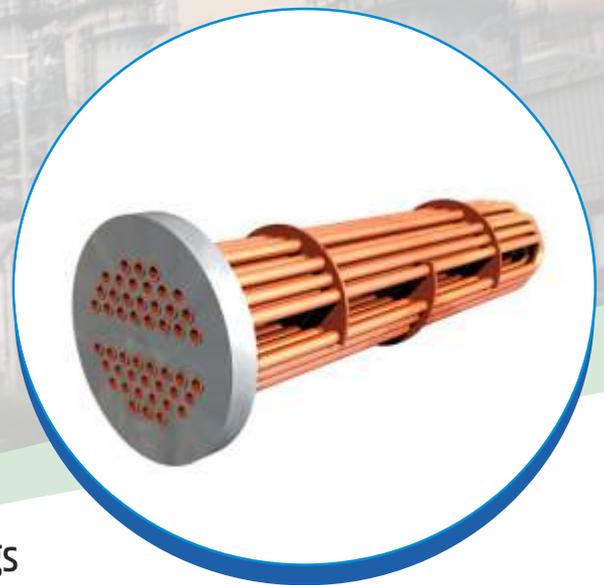
This is a cost-effective alternative to replacing the entire unit

### \* Custom Fabrication:

We can replicate any existing bundle from drawings or physical samples, ensuring a perfect fit for your existing shells.

### \* Material Versatility:

\* Tubes: Copper, Admiralty Brass, Cupro-Nickel (90/10, 70/30), Stainless Steel, and Carbon Steel.\* Design: Available in U-Tube, Straight Tube, and Floating Head configurations.



## 05. Steam Radiators

- \* Industrial Air Heating: Our steam radiators are engineered for efficient heat transfer from steam to air. They are robustly built to withstand thermal expansion and high steam pressures.
- \* Key Applications: Industrial Dryers (Tray Dryers, Fluid Bed Dryers), Wood Seasoning Kilns, Textile Processing, and Hot Air Generators.
- \* Technical Highlights:
  - \* Fin Types: Spiral crimped fins or plate fins to maximize surface area.
  - \* Construction: Heavy-duty headers and tubes ensuring leak-proof operation.
  - \* Efficiency: Designed for rapid heating and uniform temperature distribution.



## Contact us !

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**We are Ready to Discuss  
Your Requirements...!**



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