

Finned Tube Heat Exchangers

PRODUCT DETAILS:

Usage/Application	Industrial Heat Exchange
Material	Carbon Steel (SA179 / ASTM A179)
Brand	TECHFLUX
Tube Thickness	1.6 mm
Working Pressure	As per design requirement
Tube Size	Elliptical (35 mm × 15 mm)



- **High-Performance Industrial Cooling Solutions**

- Our Elliptical Finned Tube Heat Exchangers are designed for demanding industrial applications where high heat transfer efficiency, durability, and space optimization are critical. Using a specialized elliptical tube profile, these exchangers provide superior aerodynamic performance, reduced air-side pressure drop, and enhanced thermal output compared to conventional round-tube designs.
- The seamless construction ensures reliable performance even in high-pressure and high-temperature environments commonly found in industrial processing systems.

- **Key Technical Specifications**

- Tube Geometry: Elliptical (35 mm × 15 mm × 1.6 mm)
- Tube Material: ASTM A179 / SA179 Seamless Carbon Steel
- Fin Design: Rectangular (55 mm × 25 mm × 0.4 mm)
- Fin Density: 7–8 Fins Per Inch (FPI)
- Finishing Options: Natural Finish / Hot-Dip Galvanized for corrosion protection

- **Key Advantages**

- Optimized aerodynamic design for higher heat transfer efficiency
- Reduced pressure drop and improved airflow performance
- Seamless carbon steel tubes for high pressure resistance
- Hot-dip galvanizing option for long-term corrosion protection
- Customizable dimensions for new systems or retrofit installations

- **Typical Applications**

- Power Plants – Air-cooled condensers & steam air preheaters
- Petrochemical Industry – Process gas cooling & oil coolers
- HVAC & Refrigeration Systems
- Industrial Drying Chambers & Heat Recovery Systems