

Industrial Plate Air Preheater for Heat Recovery

This plate air pre-heater is designed for gas/air heat transfer. It is installed after a fired heater or furnace to recover heat from flue gases and preheat air, which reduces emissions.



Overview

Industrial Plate Air Preheater

This industrial plate air preheater is engineered for high-efficiency heat recovery across critical industrial processes. Designed to withstand extreme operating conditions, it supports temperatures up to 750 °C and offers flexible surface area configurations up to 11000 m². Its robust construction ensures long-term reliability in demanding environments such as ammonia, hydrogen, and aromatics production.

Operating Parameters

Maximum Operating Temperature	750
Maximum Surface Area	11000 m ²

Construction

Plate Materials	Carbon Steel (CS), AISI 300 Series, Duplex Stainless Steel, High Nickel Alloy, Titanium (Ti)
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Applications

Primary Applications

- Ammonia production
- Hydrogen production
- Acrylonitrile production
- Aromatics plants