

High Pressure Hydrogenating Heat Exchanger

These high pressure hydrogenating heat exchangers utilize advanced sealing structures to ensure dependable, leak-free performance. They are engineered for demanding industrial hydrogenation processes.

Overview

High-Pressure Hydrogenating Heat Exchanger

This specialized heat exchanger is engineered for demanding high-pressure environments, including hydrogenation, hydrocracking units, and ammonia plants. Featuring a unique sealing design, it offers a simplified structure that facilitates easier on-site maintenance. This efficient design reduces the overall size and weight of equipment flanges and main bolts, ensuring both operational reliability and cost-effectiveness.

Technical Specifications

Design Pressure

7 MPa

Minimum Pressure

35 MPa

Maximum Pressure

Design Temperature

300

Minimum Temperature

700

Maximum Temperature

Shell Diameter

1800 mm

Applications

Suitable Industries

Hydrogenation Units, Hydrocracking Units, Ammonia Plants, High Pressure Heat Transfer

Design Benefits

Design Advantages

- Specialized sealing system
- Simplified maintenance structure
- Reduced flange size and weight
- Optimized main bolt design
- Cost-effective performance