

# High Pressure Hydrogenating Heat Exchanger

These high-pressure hydrogenating heat exchangers are engineered to withstand demanding conditions in hydrogenation processes. They facilitate efficient heat transfer between fluids while maintaining structural integrity.



## ADDITIONAL IMAGES



## Product Overview

### High-Pressure Hydrogenating Heat Exchanger

This high-pressure heat exchanger is engineered for demanding industrial environments, specifically tailored for hydrogenation, hydrocracking, and ammonia plant applications. Featuring a specialized sealing design, it offers a simplified structure that facilitates easier on-site maintenance while reducing overall size and weight. This robust construction ensures reliable, cost-effective thermal energy transfer even under extreme operational conditions.

## Technical Specifications

### Design Pressure

**7 MPa**

Minimum Pressure

**35 MPa**

Maximum Pressure

### Design Temperature

**300**

Minimum Temperature

**700**

Maximum Temperature

Max Shell Diameter

1800 mm

## Applications

Suitable For

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

## Design Features

### Design Advantages

- Specialized sealing structure
- Simplified maintenance at site
- Reduced equipment flange size
- Optimized main bolt design
- Lower operational costs
- High reliability