

# Shell and Tube Heat Exchanger

This shell and tube heat exchanger is designed for efficient heat transfer. It is constructed as a pressure vessel, featuring a cylindrical shell housing multiple tube bundles.



## Overview

### Industrial Pressure Vessel Solutions

This range of industrial pressure vessels is designed for high-performance applications across chemical, metallurgical, and food processing industries. These units are engineered for safety and efficiency, offering versatile options including heat exchangers, reaction tanks, and storage vessels. Constructed from durable materials like carbon steel and stainless steel, they provide robust solutions for complex thermal and storage requirements.

## Heat Exchange Specifications

### Available Heat Exchanger Types

- Finned-tube air cooler
- Stainless steel combined board heat exchanger
- Spiral plate heat exchanger
- U-shape pipe heat exchanger tube bundles
- Floating head heat exchanger

## Quick-Open Door Vessels

### Diameter Range

**0.5 m**

Minimum Diameter

**5 m**

Maximum Diameter

### Door Operation Methods

Manual, Automatic

### Automatic Driving Systems

Pneumatic, Hydraulic, Mechanism

## Material & Construction

### Construction Materials

Carbon Steel • Stainless Steel • Q235B • 316L Stainless Steel

## Reaction Vessels

### Capacity Range

0.5m<sup>3</sup> – 10m<sup>3</sup>

## Storage Vessels

### Storage Capacity Range

1m<sup>3</sup> – 53m<sup>3</sup>

## Tower Type Vessels

### Tower Vessel Configurations

- Stainless steel reaction tower
- Absorption tower
- Packed tower
- Plate tower