

Petrochemical DMO Reactor with Perforated Tube Sheet

This large-scale DMO reactor is designed for petrochemical engineering applications within petroleum refinery chemical engineering projects. The reactor features a cylindrical shell with a perforated tube sheet, indicating heat exchanger functionality.



ADDITIONAL IMAGES



Overview

High-Performance Petrochemical DMO Reactor

This large-scale DMO reactor is engineered for demanding petrochemical applications, featuring a robust perforated tube sheet design for efficient heat exchange. Constructed from high-grade S30408 stainless steel, it is built to withstand high-pressure and high-temperature environments typical in petroleum refinery chemical engineering. The unit's massive 116-ton capacity and integrated helical coils ensure reliable performance in complex industrial processing plants.

Physical Dimensions

Equipment Weight

116.685 T

Total Weight

Equipment Dimensions

14200 × 10800 × 20mm

Material Specifications

Materials of Construction

Component	Material Grade
Shell Side	S30408
Heat Exchange Tube	S30408

Technical Parameters

Design Pressure

Section	Pressure	Unit
Shell Side	0.65	MPa
Tube Side	0.6	MPa

Design Temperature

Section	Temperature	Unit
Shell Side	200	
Tube Side	180	

Key Features

Design & Construction Features

- Perforated tube sheet for heat exchanger functionality
- External helical coils for precise temperature control
- Heavy gauge stainless steel construction
- Hemispherical end for high-pressure integrity
- Cylindrical shell design

Industry Applications

Petrochemical Engineering, Petroleum Refinery, Chemical Processing, Heat Exchange