

PTA First Crystallization Reactor

This large-scale industrial reactor is designed for the first crystallization stage in purified terephthalic acid (PTA) production. It features a cylindrical pressure vessel with hemispherical heads and multiple access ports for process control and monitoring.



Product Overview

PTA First Crystallization Reactor

This high-capacity industrial reactor is specifically engineered for the first crystallization stage in purified terephthalic acid (PTA) production. Constructed from high-grade SA516Gr.70 and SA240 317L materials, it is built to withstand the demanding conditions of petrochemical processing. Its massive scale and robust structural integrity ensure consistent performance in critical chemical reaction environments.

Technical Specifications

Design Pressure	5.89 / FV MPa
Set Temperature	290 °C
Total Weight	339.8 T

Dimensional Data

Standard Sizes (L x H)	15700 x 18215mm
Wall Thickness	136 + 5 mm

Material Composition

Construction Materials	SA516Gr.70, SA240 317L
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