

Centrifugal Pump for Petrochemical Applications

This centrifugal pump is designed for demanding applications in the petrochemical industry. Its robust construction and centrifugal action provide a consistent flow rate for fluid transfer and circulation.



ADDITIONAL IMAGES



Overview

High-Performance Petrochemical Process Pump

The ZA/ZAO series is a horizontal, single-stage centrifugal pump engineered to comply with API 610 and VDMA 24297 standards for heavy-duty industrial service. Designed for maximum reliability, it handles chemically aggressive, hot, or cold liquids in demanding sectors like oil refineries, chemical processing, and seawater desalination. With its robust radial split volute casing and advanced sealing options, this pump provides a consistent and efficient solution for complex fluid transfer requirements.

Performance Metrics

Operating Metrics

2600 m³/h
Max Capacity

250 m
Max Head

2.5 MPa
Max Pressure

Technical Specifications

Design Features

- Horizontal radial split volute casing
- Single entry radial impeller
- Centerline support
- Hydraulic balance via wear rings and balance holes
- Casing cover with cooling/heating connections

Temperature Range	-20 to 180 °C (up to 450 °C with centerline support)
Compatible Flange Standards	DIN, ANSI

Application Suitability

Suitable Pumping Media

- Sulphuric acid
- Nitric acid
- Hydrochloric acid
- Phosphoric acid
- Sodium hydroxide
- Sodium carbonate

Target Industries

Petrochemical • Refineries • Coal Processing • Paper and Pulp • Sugar • Desalination • Offshore