

API610 OH2 Petrochemical Centrifugal Pump

This petrochemical pump is a centrifugal, horizontal, single-stage, single-suction, and cantilever type. It is designed according to API 610 standards.



ADDITIONAL IMAGES

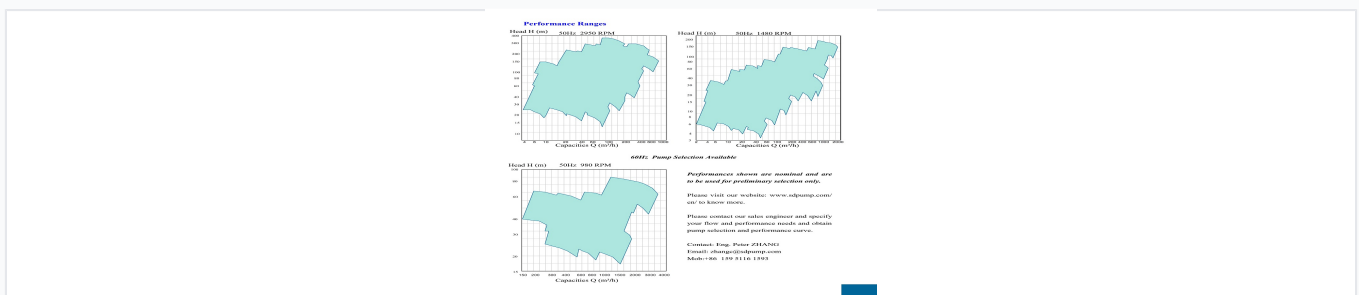


Product Overview

API610 OH2 Petrochemical Centrifugal Pump

The SZE series is a horizontal, single-stage, cantilever-type centrifugal pump designed strictly according to API 610 11th Edition standards. Engineered for the demanding requirements of the petrochemical industry, it features a robust back pull-out design that allows for maintenance without disturbing the hydraulic model or piping. This series offers high efficiency, superior anti-cavitation performance, and intelligent monitoring provisions for temperature and vibration.

Technical Specifications



Nominal performance ranges for flow and head at various RPMs (50Hz).

Performance Metrics

2600 m³/h

Max Flow Capacity

300 m

Max Discharge Head

5 MPa

Design Pressure

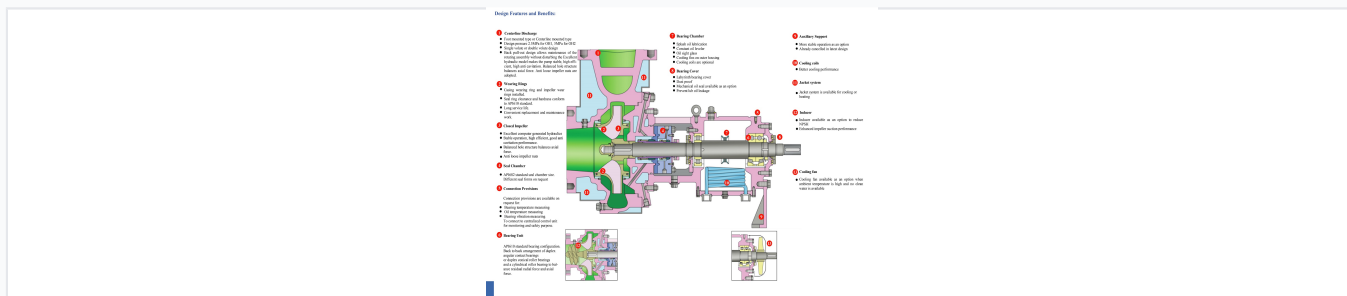
Nozzle Diameter

25 to 400 mm

Operating Temperature Range

-80°C to +450°C

Design & Construction



Detailed cross-section showing the API610 OH2 design features including bearing unit, seal chamber, and cooling systems.

Pump Configuration

- Horizontal
- Single stage
- Single suction
- Cantilever type (OH2)
- Centerline or Foot mounted

Key Design Features

- Back pull-out design for easy maintenance
- Balanced hole structure to balance axial force
- Anti-loose impeller nuts
- Closed impeller with computer-generated hydraulics
- Centerline discharge

Standards & Compliance

Compliance Standards

API 610 11th Edition, API 682 (Seal Chamber), API Q1 Registered

Monitoring & Safety

Monitoring Provisions

- Bearing temperature measuring
- Oil temperature measuring
- Bearing vibration measuring
- Centralized control unit connectivity

Bearing & Lubrication

Bearing & Lubrication System

- Back-to-back duplex angular contact bearings
- Cylindrical roller bearings for radial force
- Splash oil lubrication
- Constant oil leveler and sight glass
- Labyrinth bearing cover (dust-proof)

Optional Configurations

Optional Features

Cooling Coils • Jacket System (Heating/Cooling) • Inducer (Reduced NPSH) • Cooling Fan • Mechanical Oil Seal