

Stainless Steel Chemical Process Pump

This chemical process pump is constructed from stainless steel for corrosion resistance. It is designed for transferring fluids in sanitary applications.



ADDITIONAL IMAGES



Product Overview

CZ Series Chemical Process Pump

The CZ series is a horizontal, single-stage, single-suction centrifugal pump engineered for demanding industrial environments. Designed to comply with international standards including DIN24256, ISO2858, and GB5662-85, this unit offers exceptional versatility for handling neutral, corrosive, clean, or particle-laden media. It is an ideal solution for critical applications in chemical engineering, petrochemical processing, power generation, and pharmaceutical manufacturing.

Performance Metrics

Key Operating Metrics

2400 m³/h
Max Flow Rate

200 m
Max Head

25 bar
Max Pressure

260 °C
Standard Max Temp

Technical Specifications

Operational Conditions

Parameter	Range/Value
Temperature Range	-40°C to 260°C (up to 400°C with special measures)
Rotation Speed	1450 to 3600 rpm
Frequency	50Hz or 60Hz
Rotation Direction	Clockwise (viewed from motor)

Design & Construction

- Foot supporting pump body structure
- Impeller options: closed, semi-open, and fully open
- Thin oil lubrication mode with constant level oil cup
- Shaft protected by bushing to prevent direct medium contact
- Axial force balanced by back blade or balance hole

Shaft Seal Types

Packing seal, Single end face mechanical seal, Double end face mechanical seal, Mechanical seal in series

Applications

Suitable Industries

Chemical Engineering • Petrochemicals • Steel Works • Power Plants • Papermaking & Pulp • Medicine • Food Processing • Sugar Refining