

# End Suction Centrifugal Pump ISO5199

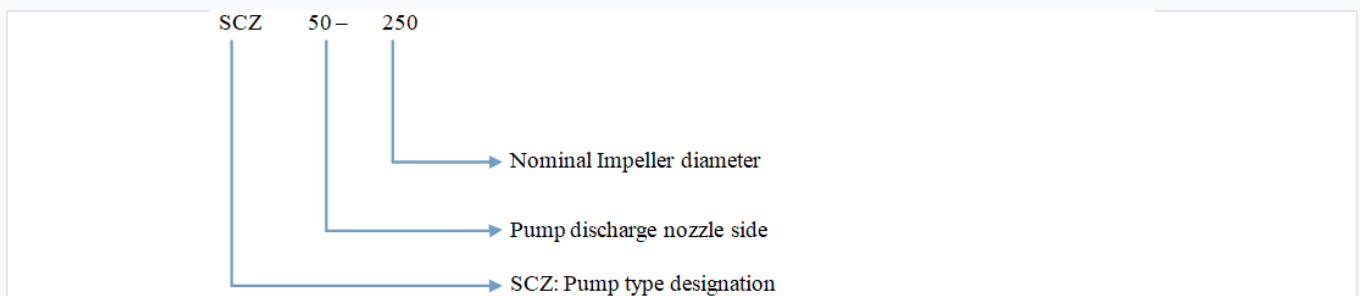
This ISO5199 end suction pump is a cost-effective solution for various applications. It is suitable for conveying clean or slightly polluted liquids, as well as low and high-temperature liquids.



## ADDITIONAL IMAGES



## Overview

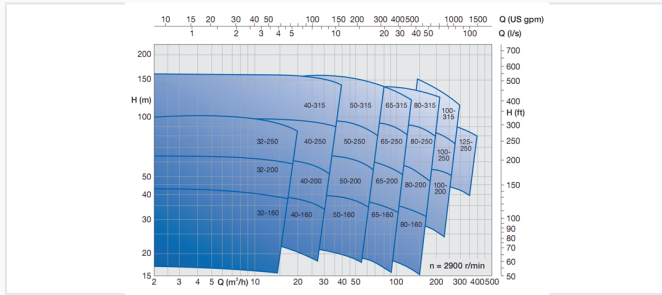


Nomenclature diagram detailing the SCZ pump type designation, discharge nozzle side, and nominal impeller diameter.

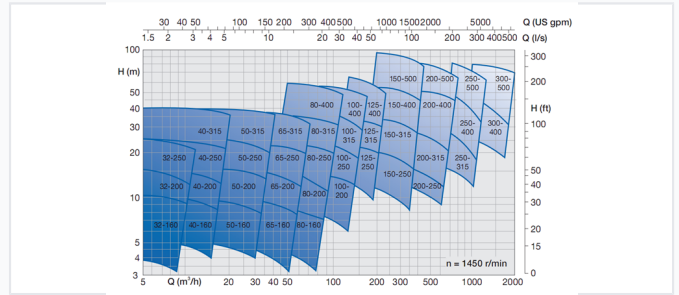
### SCZ Series Process Pump

The SCZ series is a horizontal, single-stage, single-suction, radial split, foot-mounted centrifugal pump engineered to meet the ISO5199 standard. Designed for durability and versatility, it efficiently handles clean or slightly polluted liquids, including neutral, corrosive, flammable, explosive, or toxic media. Its full pull-out design allows for easy maintenance of internal components without disconnecting the pump casing or motor.

## Performance



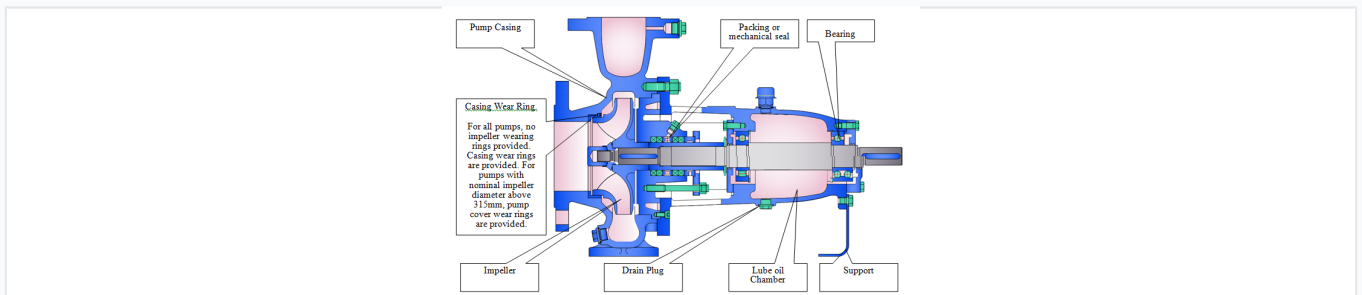
Performance curves for various pump models operating at 2900 r/min, helping determine the correct model based on flow and head requirements.



Performance curves for various pump models operating at 1450 r/min, indicating the relationship between head and flow for different configurations.

Flow Rate	2000 m <sup>3</sup> /h
Head	160 m
Pressure Rating	2.5 MPa
Operating Temperature	150 °C
Nozzle Size	32 - 300 mm

## Design Features



Detailed sectional view illustrating internal components including the impeller, wear rings, bearing housing, and seal arrangements.

### Standard Compliance

ISO 5199 • API 610 (Auxiliary System)

### Shaft Seal Options

Packing Seal, Single Mechanical Seal, Double Mechanical Seal

## Materials

### Available Material Grades

- S-5 (Carbon Steel)
- A-7 (304 Stainless Steel)
- A-8-1 (316 Stainless Steel)
- A-8-2 (316L Stainless Steel)
- D-1
- D-2

### Material Test Pressures

Material Category	Test Pressure
Cat I (304, 304L)	2.7 MPa
Cat II (316, 316L, 804, 904, 904L, 20# Alloy, Ti)	2.7 MPa
Cat III (HT 250, HT 200)	2.1 MPa
Cat IV (ZG230-450)	3.75 MPa

## Applications

### Industry Applications

Chemical, Petrochemical, Refinery, Power Plant, Paper Industry, Pharmaceutical, Sugar Industry, Food Processing, Steel Plant, Water Supply & Drainage