

Internal Gear Pump for Viscous Fluids

This internal gear pump is engineered for the smooth, pulsation-free transfer of viscous fluids. Its strong self-priming capabilities and material options enable the handling of various corrosive media.



Product Overview

High-Viscosity Internal Gear Pump

The NYP series internal gear pump is a high-performance positive displacement pump engineered for demanding industrial applications. Designed to handle a wide range of fluids with varying viscosities, it provides a smooth, pulse-free flow with minimal vibration and noise. This versatile pump is ideal for sectors including petroleum, chemical processing, pharmaceuticals, and food production, offering robust reliability and strong self-priming capabilities.

Performance Specifications



Technical overview of the NYP series pump design and performance capabilities.

Key Advantages

- Smooth, pulse-free liquid delivery
- Low noise and vibration operation
- Strong self-priming performance
- Corrosion-resistant material options

Operating Temperature	200 °C
Minimum Operating Temperature	-10 °C
Viscosity Range	1.0 - 300,000 cSt

Structure & Components



Exploded view of the internal gear pump components, including the rotor, idler gear, and casing assembly.

Available Seals

Packing Seal • Mechanical Seal

Drive Methods

Belt Wheel Drive • Coupling Drive

Optional Features

- Heat preservation jacket for crystallizing media
- Integrated safety valve

Primary Components

Internal Rotor, Outside Rotor, Shaft, Pump Casing, Front Cover, Seal, Bearing

Applications

Target Industries

Petroleum, Chemical Industry, Paint Manufacturing, Pharmaceuticals, Foodstuff