

PWOFF

PWOFF Three Rotor Screw Pump Series

Shanley Pump
& Equipment, Inc.



PWOF

Features

Seim screw pumps are positive displacement, self-priming pumps suited to handle various oils and other fluids with minimum lubricating properties. They are also used for pumping water-based coolants for machine tool and lubrication systems. The three rotor screw pump design makes them intrinsically reliable and efficient in their applications.

The SEIM PWOF three rotor screw pump series is designed to work with viscosities as low as 1.2 cSt in high pressure pumping applications. It's self-priming capability and low noise level allows continuous duty at 2175 PSI (150 bar).

Description

The PWOF series inlet port is available in axial configurations (vertically or horizontally), with added connection adapters or strainers upon request. The PWOF series operates from 3.7 to 450 GPM, at pressures up to 2175 PSI, with temperature range of 32 °F to 212 °F. For applications such as mining, machine tool, hydropower, lubrication and automobile, the PWOF pump is preferred due to its low noise levels, efficiency and reliability. It's aluminum casing makes it lighter weight and spark resistant. The PWOF has a compact design with hardened screws that is used in submersible or out of tank arrangements. We supply complete PWOF pump units with motors upon request.



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Usage

Functional characteristics of a PWOF Screw pump are:

- Very low noise levels
- Wide range viscosity compatibility
- High rotation rates = minimizing the size and cost of the pump
- No vibrations
- Minimum sensitivity to particle pollution
- High self-priming capacity
- Special design for systems with entrained air in the lubricant
- During operation, the PWOF entraps air bubbles inside its body to suppress system noise
- Minimum pulsations
- Hardened screws
- Aluminum casing

Main Applications



Glycol & Water Based Coolant Applications



Oil Pumping Applications



High Viscosity Fluid Pumping



Plant Engineering Pumping



Recirculation Systems Pumping



Hydropower & Lubrication Systems Pumping



High Pressure Pumping



Hydraulic Oil Pumping



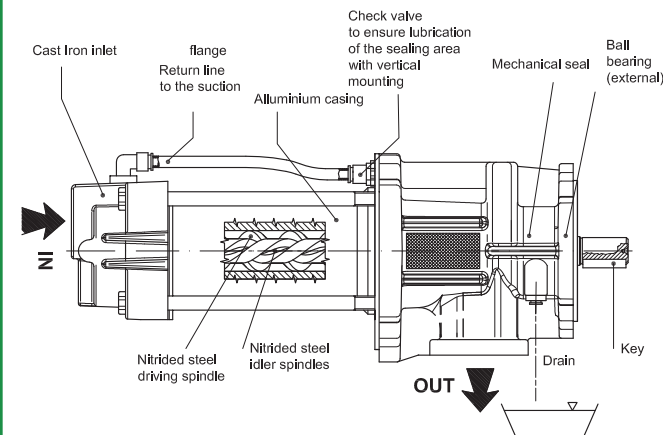
Hydrostatic Bearing Lubrication

GPM 3.7 - 450 GPM

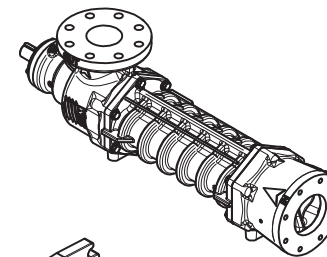
PSI up to 2175 PSI

TEMP 32°F - +212°F

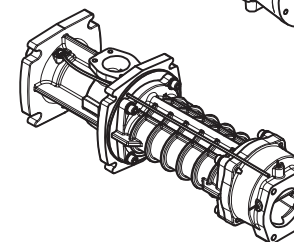
PWOF025-060



PWOF083-102



PWOF072



**Dimensions
Drawings**

[Click here for complete dimensional drawings](#)



Performance Curve

For specific applications data on viscosity and pressure please contact us and we send you details about flow rates.



To download our screw pump fax form click here