



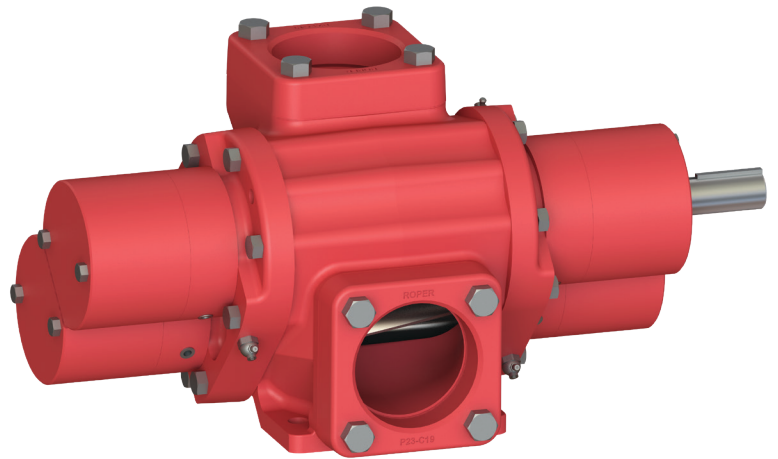
THE LEADING FORCE behind liquids™ since 1857

3800 Series

SEALED BEARING PUMPS

A sealed bearing pump series that is specially designed for the oil industry, including those with light and heavy crude oils.

The 3800 Series features a multi-lip grease purged seal assembly, and has a built-in maintenance indicator and weep detection ports. These pumps feature a double set of sealed ball bearings protected by three sets of double lip seals on each shaft. The 3800 Series has bi-directional rotation capabilities and over-pressure relief type grease fittings.



4

SIZES AVAILABLE

540

GPM (UP TO)

125

PSI (UP TO)

Materials of Construction

- Cast iron housings
- Hardened iron gears
- Precision ground steel shafts
- Sealed ball bearings
- Lip seals

Key Features

- Helical gears for quiet operation
- Bi-directional rotation
- Grease purged seals
- Differential pressures up to 125 psi
- Up to 540 gpm

Typical Applications

- Oil Fields (Light & Heavy Crude Oils)
- Kerosene Mixtures
- Condensates
- Hot Oil

Configuration Options

- Available in four sizes
- Wearplate available
- Relief valve options on 3848 model only
- 250°F standard
- 350°F optional config

MODEL	THEORETICAL DISPLACEMENT	MAX SPEED	MAX FLOW AT MAX SPEED (0 Discharge Press.)	MAX PRESS.	PORT CONN.
3832	.32 GPR	1000 RPM	320 GPM (1.21 M ³ /MIN)	125 PSI (8.62 Bar)	3"NPT
3843	.43 GPR	1000 RPM	430 GPM (1.62 M ³ /MIN)	125 PSI (8.62 Bar)	3"NPT
3848	.52 GPR	1000 RPM	520 GPM (1.96 M ³ /MIN)	125 PSI (8.62 Bar)	4"NPT
38/4858	.60 GPR	900 RPM	540 GPM (2.04 M ³ /MIN)	125 PSI (8.62 Bar)	4"NPT

Note: Maximum Speed and flow can only be achievable under the correct inlet (suction) and liquid conditions. Liquid viscosity and discharge pressure, plus pumping conditions will determine actual flow (ie. - theoretical minus slip).

