

Roper Pumps

3800

Series



## Sealed Bearing Pumps



The leading force behind liquids.

### Applications

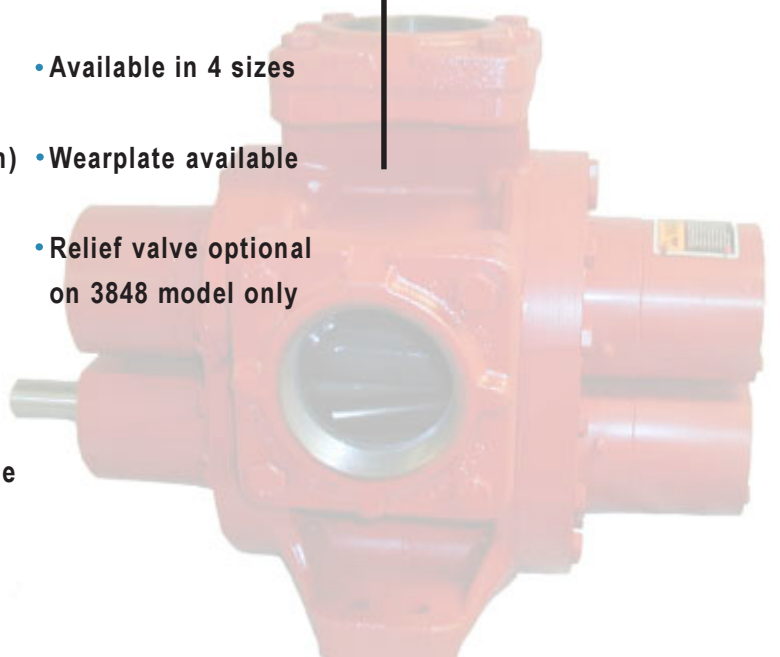
- Oil field applications including light and heavy crude oils
- Kerosene mixtures
- Condensates
- Hot Oil

### Features

- Differential pressures up to 125 psi
- Up to 540 gpm (2 M<sup>3</sup>/min)
- Multi-lip grease purged seal assembly
- Maintenance indicator / Weep detection
- Triple shaft seals plus sealed ball bearings
- Over pressure relief type grease fittings
- Bi-directional rotation

### Options

- Available in 4 sizes
- Wearplate available
- Relief valve optional on 3848 model only





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## 3800 Series

Model	Theoretical Displacement	Theoretical Flow at 100 RPM	Maximum Speed	Maximum Flow at Maximum Speed (0 Discharge Pressure)	Maximum Pressure	Port Connection
3832	.32 GPR	32 GPM	1000 RPM	320 GPM (1.21 M <sup>3</sup> /min)	125 PSI (8.62 Bar)	3"NPT
3843	.43 GPR	43 GPM	1000 RPM	430 GPM (1.62 M <sup>3</sup> /min)	125 PSI (8.62 Bar)	3"NPT
3848	.52 GPR	52 GPM	1000 RPM	520 GPM (1.96 M <sup>3</sup> /min)	125 PSI (8.62 Bar)	4"NPT
38/4858	.60 GPR	60 GPM	900 RPM	540 GPM (2.04 M <sup>3</sup> /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 (i.e. - theoretical minus slip).

## Materials of Construction

Housing	Gears	Shafts	Bearings	Seals
• Cast Iron	• Hardened Iron	• Steel	• Sealed Ball Bearings	• Lip Seals

## Key Features

### Characteristics

- Helical gears for quiet operation
- Bi-directional rotation
- Grease purged seals

