

Roper Pumps

Series

A reliable performer, Roper Pumps'
"Z" Series is open to easy maintenance and has a wide choice of seals.

Reliable and Versatile

Applications

- Excellent for mixing, transferring, blending and recirculating a variety of fluids
- Ideal for the chemical and petroleum markets

Features

- Cast iron helical gear pump
- Two-piece backplate for flexible sealing options
- Many parts interchangeable with 3600 series
- Differential pressures to 125 psi
- Up to 165 gpm

Options

- ANSI flanges
- Single, double and cartridge sealing options
- Integral relief valve and integral gear reducer
- Outboard bearing, depending on drive and seal arrangements



The leading force behind liquids













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Pump Model	Theoretical Capacity	Maximum Speed	Maximum Flow at Maximum Speed (0 Discharge Pressure)	Maximum Pressure	Port Connection
Z11	.11GPR(416.4 CC/REV)	750 RPM	82.5GPM (18.7 M³/HR)	125 PSI (8.6 Bar)	2"NPT"
Z17	.17GPR(643.5 CC/REV)	750 RPM	127.5GPM (29.0 M³/HR)	125 PSI (8.6 Bar)	3"NPT"
Z22	.22GPR(832.8 CC/REV)	750 RPM	165GPM (37.5 M³/HR)	125 PSI (8.6 Bar)	4"NPT"

Materials of Construction

e project	Housing	Gears/Shaft	Bearings	Port Arrange	Seal
	• Ductile Iron	Hardened Iron	• Bronze	• Thru Ports	 Single
Options		Hardened Steel	• Carbon	Right Angle	Double
		• 440SS	• Iron		Cartridge
			• PTFE		

Key Features

- Helical gears for quiet operation
- Bi-directional rotation
- Option for integral gearbox
- Two-piece backplate design for flexible seal options
- Seal flexibility single, double or cartridge
- Cast construction
- Flush/Drain ports on seal housing



- Relief valve
- Port locations
- Outboard bearing
- Internal relief valve













