

ROTOFLO™ RWP012

12" ROTARY LOBE SELF-PRIMING PUMP POSITIVE DISPLACEMENT WELLPOINT DEWATERING



APPLICATIONS

Construction
Dewatering

Rock Operations

Wellpoint Systems

Remediation
Services

Multiple Fluid
Transfer Capabilities

The Rotoflo™ is a self-priming, positive displacement pump perfect for groundwater applications, including wellpoint dewatering. The RWP012 is unrivaled in its ability to be repaired easily on site. Its quick-release cover can be removed with conventional hand tools to give access to the inner parts of the pump without the removal of critical components. The Rotoflo™ is a low maintenance pump made for extreme conditions with inexpensive spare parts available if needed.

FEATURES

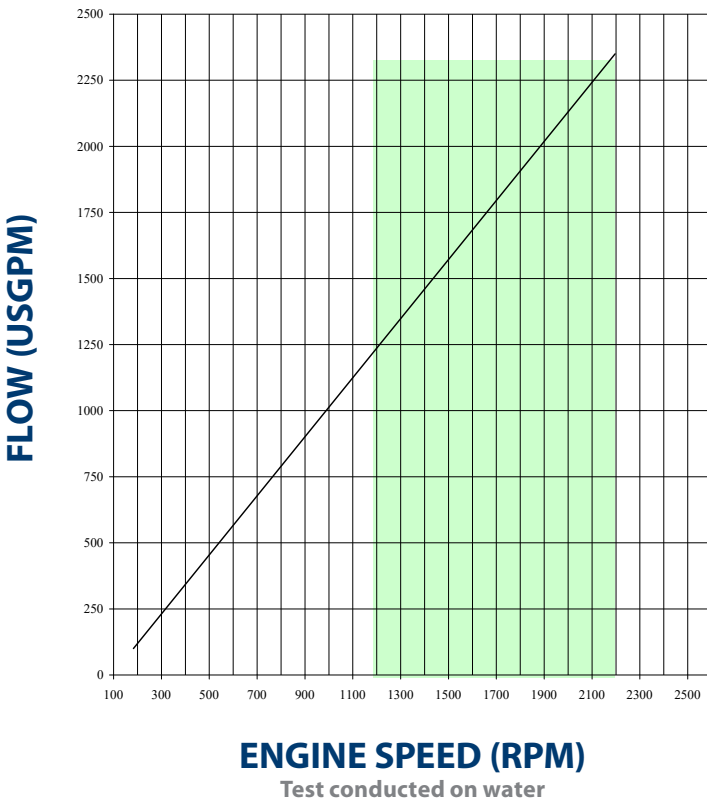
- High performance in any environment
- Max vacuum - 29" Hg
- Solids handling - 2.7" (without screen)
- Pulsation free design
- Skid or optional trailer mounted
- Yanmar or Deutz Tier 4 Final Engine
- Controls Inc. control panel
- Patented rotor design
- Integral 94 gallon fuel tank, gauge and lockable fuel cap
- Extended runtime in typical applications
- Rotary lobe tips are replaceable on site in 30 minutes
- Vacuum and pressure gauges
- 12" ANSI Flanges - Other connections available
- Vacuum relief valve
- Suction screen
- Mechanical seal replenishment reservoir
- Space-saving design
- Low-noise operation as low as 67dBA at 7M with enclosure
- Easy maintenance through quick-release cover
- Inexpensive spare parts
- Stainless steel wear liners
- Automatic rotary pump temperature shutdown
- Lifting bail
- Complete wellpoint piping, points, jet pumps and accessories are available
- Manufactured in the USA

QUICK SPECIFICATIONS

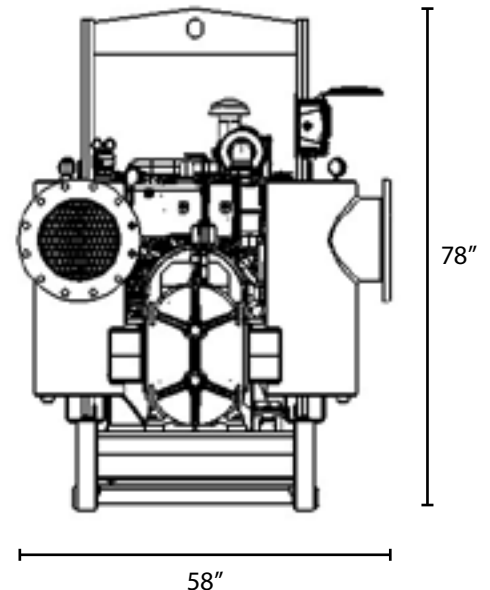
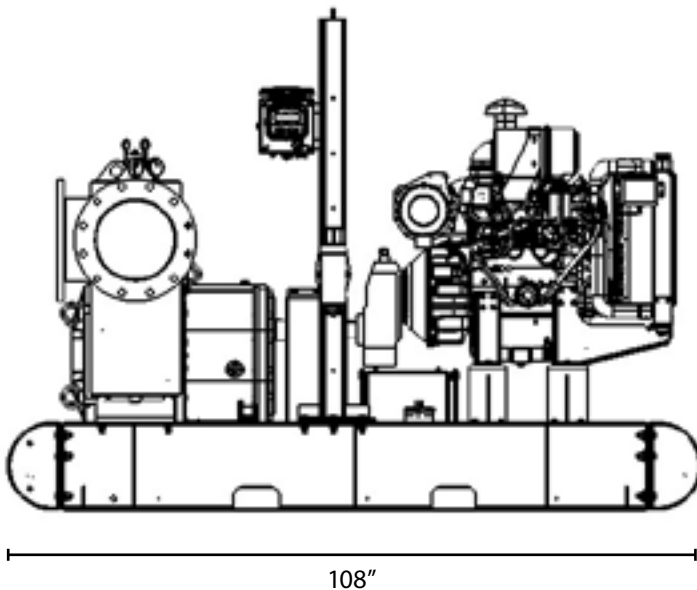
Suction connection	12" 150# ANSI B16.5
Delivery connection	12" 150# ANSI B16.5
Max capacity	2455 GPM / 147300 GPH
Max solids handling	2.7"
Max head (TDH)	21'
Max operating speed	2200 RPM
Dimensions	58 x 78 x 108"
Sound levels w/ enclosure	67 dBA at 7M / 23'
Max fuel consumption	At 1800 RPM; up to 31.75 hr run time



PERFORMANCE CURVE



DIMENSIONS



MATERIALS & SPECIFICATIONS	
Engine	Yanmar 4TNV98 or Deutz TD2.9
Pump casing	Single piece construction from cast iron lined with protection plates from stainless steel. Other materials of construction available.
Rotary lobes	Bronze and stainless steel available. Low pulsation screw rotor design. Entirely Buna-N elastomer coated. Other elastomer materials available.
Wear liner	Corrosion resistant stainless steel
Shafts	Non-fluid-wetted from AIS 4140
Suction/discharge	21 Gal for each tank
Mechanical seal	Oil bath, dry running seal, with abrasion resistant silicon carbide faces.
Coupling	Reducer gear assembly with flexible coupling and manual clutch with protective cover
Accessories	Swing-joints, header pipe, wellpoints and jetting equipment
Control panel with safety shutdowns	Controls Inc. - Full or reduced starter. Including tach, hour meter, high coolant temperature and low oil pressure shutdowns plus over speed protection
Fuel capacity	94 Gal
Weight of trailer mounted unit	4300 lbs (dry)

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