

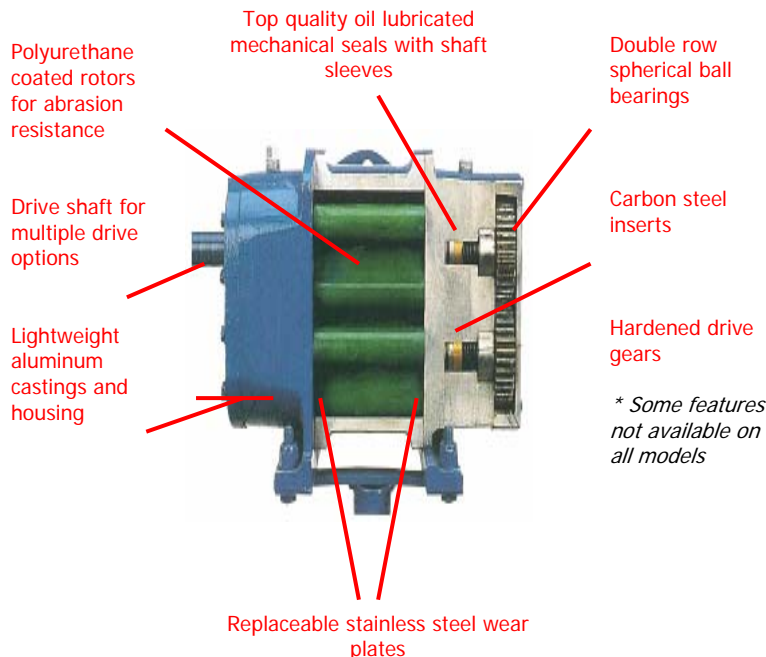
8" Rotary Wellpoint Pump

8RW-DDST-4-914-M

The Thompson Rotary Wellpoint Pump is the "original" rotary wellpoint pump trusted by contractors worldwide for more than 30 years. The state-of-the-art 8RW-DDST-4-914-M is specifically designed and engineered for wellpoint and sock dewatering with high air handling, large water volume and high vacuum capability.

Features

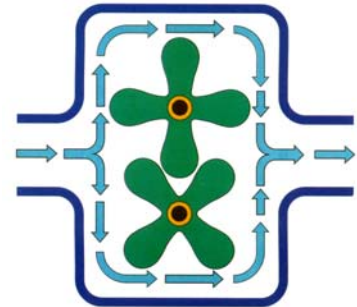
- Self-priming
- Unassisted priming and automatic re-priming
- High vacuum of up to 29" Hg capacity
- High displacement volume of up to 400-cfm
- Engine speed can be lowered without losing vacuum
- One pump handles both air and water
- Positive displacement with constant suction



Applications

- Wellpoint and underdrain sock dewatering
- Trench dewatering
- Filtered water transfer
- Remediation
- Sewer pipelines
- Lift stations
- Head walls
- Cofferdams
- Elevator pits
- Foundation structures
- Dams
- Borrow pits

Working Principle



The Thompson Rotary Wellpoint Pump produces constant suction as the rotors separate. The water is directed over and under the rotors and out the discharge.

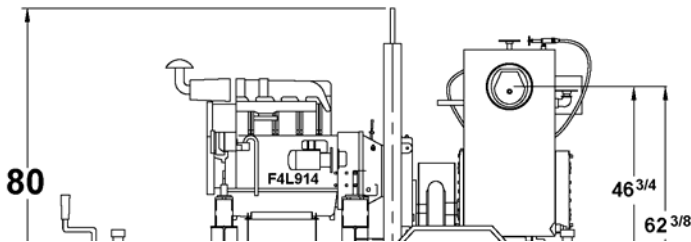
Clearances are not a factor due to the use of suction and discharge priming tanks. The polyurethane rotors and the stainless steel wear plates offer abrasion and corrosion resistance while the steel inserts provide strength and durability.



8" Rotary Wellpoint Pump 8RW-DDST-4-914-M



8RW-DDST-4-914-M Dimensions



Materials of Construction

Type: Positive displacement, low-pulsation, self-priming, rotary lobe
Rotor: Four-lobe, single piece design with carbon steel shaft and welded carbon steel fins with polyurethane coating
Rotor Housing: Rugged, heavy-duty cast aluminum
Mechanical Seal: Oil or grease lubricated with bronze rotating and steel stationary faces
Suction Tank: A36 steel with permanent solids screen, 1-1/2" drain port, adjustable vacuum breaker valve and vacuum gauge for system diagnostics
Discharge Tank: A36 steel with canvas reinforced neoprene weighted flapper style check valve; built-in reservoir with pressure relief and 1-1/2" drain port
Wear Plate: Replaceable, 304 stainless steel
Bearings: Heavy-duty, oil bath-pressure lubricated, cylindrical roller type

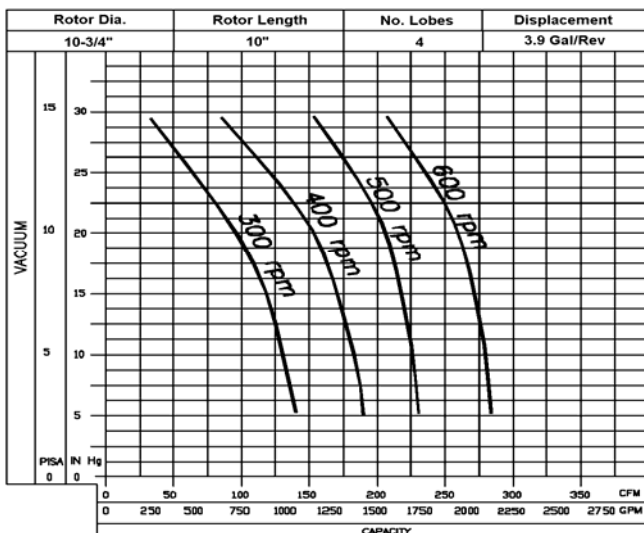
Engine Specifications

Engine: Deutz F4L914, 67 hp @ 1,800 rpm
Type: 4-cylinder, in-line, 4-cycle, direct-injected diesel
Standard Equipment: Alternator, radiator, muffler and exhaust stack with rain protection
Displacement: 263.3 cubic inches
Fuel Economy: .373 lb/hp-hr @ 1,800 rpm
Safety Shutdowns: High coolant temperature; Low oil pressure

8RW-DDST-4-914-M Performance Curve



Capacity vs. Vacuum Curve



Unit Specifications

Fuel Tank Capacity: 120 US gallons
Fuel Consumption: 1.45 gallons per hour
Maximum Operating Speed: 500 rpm
Maximum Operating Temperature: 212°F
Maximum Operating Pressure: 65 psi
Maximum Suction Lift: 29 in Hg
Maximum Casing Pressure: 65 psi

In the interest of product improvement, Thompson Pump & Manufacturing reserves the right to change specifications without incurring any obligation for equipment previously or subsequently sold. Capacity, Head and Pump Curve are for comparative purposes. Consult engineering data for exact capabilities.
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