Global Pump® Standard Centrifugal Wellpoint pumps are specifically designed to effectively handle the arduous requirements of wellpoint and underdrain dewatering systems where intermittent water flow and large amounts of air are encountered.

Global Pump Standard Centrifugal Wellpoint pumps provide a compact, dependable, highly efficient solution in a completely automatic priming pump with built in air separation.

The model 8GSCWP is capable of achieving maximum flows of 1,800 gpm (408 m$^3$/h) and maximum total head of 108’ (33 m), with solids handling up to 0.875” (22 mm) in diameter. The standard 8GSCWP is powered by a water-cooled, 4-cylinder diesel engine. Alternative drives are available, including other diesel engines or electric motor options.

### FEATURES
- Global Pump’s rugged, heavy duty pumps are engineered specifically for portable application
- Belt-driven, vacuum pump provides high air handling and a fully automatic priming system
- Fully guarded coupling, pulley and belting
- High efficiency air separation tank separates air and water before entering the pump
- Condensation chamber with drain contains any condensation or water vapor from the air
- Oil recovery system separates and removes oil and other particulates from the discharge air
- Non-return valve uses only a single moving part to allow full flow with minimal restriction
- Pump casings are hydrostatically tested to 50 psig (345 kPa) above the peak casing design pressure
- Standard engine control panel provides preset emergency shutdown protection and allows the addition of automatic level control
- Standard skid-mounted format with integral fuel tank, tie downs, lifting bail and fork pockets

### OPTIONS
- Fuel tanks for extended run times and/or remote location as required
- Highway trailer with integral fuel cell/chassis, lights, fenders, tie downs, lifting bail, front and rear jacks
- Trailer brakes can be offered as required
- Sound attenuated enclosure options
- Hose racks, accessory containers and other custom features available as required
- Wide range of suction and discharge fittings available including Global’s own “QD” Quick Disconnect fittings and accessories
**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Connections</th>
<th>8” (200 mm) ANSI Flanges</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Pump Speed</td>
<td>1,800 rpm</td>
</tr>
<tr>
<td>Maximum Flow</td>
<td>1,800 gpm (408 m³/h)</td>
</tr>
<tr>
<td>Maximum Head</td>
<td>108’ (33 m)</td>
</tr>
<tr>
<td>Maximum Static Priming Lift</td>
<td>28’ (8.5 m)</td>
</tr>
<tr>
<td>Water Temperature Limit</td>
<td>160° F (70° C)</td>
</tr>
<tr>
<td>Solids Handling Capability</td>
<td>0.875” (22 mm)</td>
</tr>
<tr>
<td>Maximum Casing Pressure</td>
<td>150 psig (1,034 kPa)</td>
</tr>
<tr>
<td>Standard Compact Fuel Tank</td>
<td>110 gallons (416 liters)</td>
</tr>
<tr>
<td>Dry Weight</td>
<td>5,000 lbs</td>
</tr>
</tbody>
</table>

**PUMP MATERIAL**

- **Casing**: Cast Iron
- **Impeller**: Cast Iron
- **Bearing Housing**: Cast Iron
- **Bearing Lubrication**: Grease
- **Shaft**: Steel
- **Shaft Sleeve**: FNC Treated Steel
- **Seal**: Carbon on Ceramic
- **Chassis/Fuel Cell**: Steel
- **Non-Return Valve**: Nitrile fitted Cast Iron
- **Air Separation Tank**: Steel
- **Oil Recovery Tank**: Steel

**Diagram**

Graph showing the relationship between flow rate (US gpm) and head (ft) or meters, with specific curves for different gpm values.