Global Pump’s Standard High Head pumps are specifically designed to effectively handle a wide-range of liquids in applications such as liquid transfer, wash down, fire protection, fracking and jetting where high heads and pressure are required.

Global Pump Standard High Head pumps provide a dependable, highly efficient solution. The model 4GSH is capable of achieving maximum flows of 1380 gpm (313 m³/h) and maximum total head of 433’ (132 m), with solids handling up to 0.625” (15.9 mm) in diameter.

The standard 4GSH is powered by a water-cooled, 4-cylinder diesel engine. Alternative drives are available, including other diesel engines or electric motor options.

**FEATURES**

<table>
<thead>
<tr>
<th>Description</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Global Pump’s rugged, heavy duty pumps are engineered specifically for portable application</td>
<td>Available with a variety of priming systems, including Global’s Auto Prime® automatic priming system (compressor-fed venturi priming) or a diaphragm priming system</td>
</tr>
<tr>
<td>Non-return valve uses only a single moving part to allow full flow with minimal restriction</td>
<td>Mechanical seal with glycol (biodegradable optional) quench allows the pump to start and run dry</td>
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<tr>
<td>Standard engine control panel provides preset emergency shutdown protection and allows the addition of automatic level control</td>
<td>Global Pump’s Environmental Box separates and silences air exhaust and returns liquid to the pump suction.</td>
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<tr>
<td>Fully guarded coupling</td>
<td>Fuel cubes for extended run times and/or remote location as required</td>
</tr>
<tr>
<td>Pump casings are hydrostatically tested to 50 psig (345 kPa) above the peak casing design pressure</td>
<td>Sound attenuated enclosure options</td>
</tr>
<tr>
<td>Highway trailer with integral fuel cell/chassis, lights, fenders, tie downs, lifting bail, front and rear jacks. Trailer brakes can be offered as required</td>
<td>Skid-mounted formats with tie downs, lifting bail, and fork pockets</td>
</tr>
<tr>
<td></td>
<td>Hose racks, accessory containers and other custom features available as required</td>
</tr>
<tr>
<td></td>
<td>Wide range of suction and discharge fittings including Global Pump’s own “QD” Quick Disconnect fittings and accessories</td>
</tr>
</tbody>
</table>
### SPECIFICATIONS

**Connections**  
4” x 3” (100 mm x 75 mm)  
ANSI Flanges

**Max Pump Speed**  
2,200 rpm

**Max Flow**  
1380 gpm (313 m³/h)

**Max Head**  
433’ (132 m)

**Max Static Priming Lift**  
28’ (8.5 m)

**Temperature Limit**  
160° F (70° C)

**Solids Handling Capability**  
0.625” (15.9 mm)

**Max Casing Pressure**  
200 psig (1379 kPa)

**Fuel Cell**  
109 gallons (413 liters)

**Dry Weight**  
5,000 lbs

### PUMP MATERIAL

**Casing**  
Cast Steel (CD4MCu is an option)

**Impeller**  
CD4MCu

**Bearing Housing**  
Cast Iron

**Bearing Lubrication**  
Grease

**Shaft**  
Stainless Steel

**Seal**  
Silicon Carbide on Silicon Carbide

**Chassis/Fuel Cell**  
Steel

**Non-Return Valve**  
Nitrile Fitted Cast Iron

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