Global Pump® Standard Trash pumps are specifically designed to effectively handle a wide range of liquids from water to sewage and sludge that can contain solids and other material.

Global Pump Standard Trash pumps provide a dependable, highly efficient solution. The model 4GST is capable of achieving maximum flows of 1,250 gpm (284 m$^3$/h) and maximum total head of 116' (35.4 m) while handling solids up to 3" (76.2 mm) in diameter.

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

<table>
<thead>
<tr>
<th>FEATURES</th>
<th>OPTIONS</th>
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</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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<td>Fully guarded coupling</td>
<td>Fuel cubes for extended run times and/or remote location as required</td>
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<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>Hose racks, accessory containers and other custom features available as required</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" (100 mm) ANSI Flanges
- Max Pump Speed: 2,200 rpm
- Max Flow: 1,250 gpm (284 m³/h)
- Max Head: 116' (35.4 m)
- Max Static Priming Lift: 28' (8.5 m)
- Temperature Limit: 160° F (70° C)
- Solids Handling Capability: 3" (76.2 mm)
- Max Casing Pressure: 125 psig (862 kPa)
- Fuel Cell: 83 gallons (314 liters)
- Dry Weight: 3,100 lbs

PUMP MATERIAL

- Casing: Cast Iron (CD4MCu is an option)
- Impeller: Cast Iron (CD4MCu is an option)
- 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

GLOBAL PUMP

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