Global Pump’s 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 Mark II is capable of achieving maximum flows of 1,250 gpm (284 m³/h) and maximum total head of 116’ (35.4 m) while handling solids up to 3” (76.2 mm) in diameter.

The standard 4GST Mark II is SAE flange mounted to a water-cooled, 4-cylinder diesel engine. Alternative drives are available including electric motors.

Global Pump’s unique front pullout cartridge seal provides ease of maintenance as it can be quickly changed in the field, thereby reducing downtime and expense.

### FEATURES

- **Industry-best shaft stiffness** with extremely low \( L^3/D^4 \) ratio that provides minimal shaft deflection, extended seal life and \( L10 \ 100,000 \) hour bearing life
- **Non-return valve** uses only a single moving part to allow full flow with minimal restriction
- **Standard engine control panel** provides preset emergency shutdown protection and allows the addition of automatic level control
- **Close coupled SAE mount to engine**
- **Pump casings are hydrostatically tested** to 50 psig (345 kPa) above the peak casing design pressure
- **Highway trailer with integral fuel cell/chassis, lights, fenders, tie downs, lifting bail, front and rear jacks. Trailer brakes can be offered as required**
- **Global Pump’s rugged, heavy duty pumps** are engineered specifically for portable application
- **Global Pump’s unique cartridge seal** with biodegradable glycol quench allows the pump to start and run dry

### OPTIONS

- **Available with a variety of priming systems**, including Global’s Auto Prime® automatic priming system (compressor-fed venturi priming) or a diaphragm priming system
- **Mechanical seal with glycol (biodegradable optional) quench** allows the pump to start and run dry
- **Global Pump’s environmental box** separates and silences air exhaust and returns liquid to the pump suction.
- **Fuel cubes for extended run times and/or remote location as required**
- **Sound attenuated enclosure options**
- **Skid-mounted formats with tie downs, lifting bail, and fork pockets**
- **Hose racks, accessory containers and other custom features available as required**
- **Wide range of suction and discharge fittings including Global Pump’s own “QD” Quick Disconnect fittings and accessories**
4GST MARK II GLOBAL STANDARD TRASH

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Connections</th>
<th>4” (100 mm) ANSI Flanges</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max Pump Speed</td>
<td>2,200 rpm</td>
</tr>
<tr>
<td>Max Flow</td>
<td>1,250 gpm (284 m³/h)</td>
</tr>
<tr>
<td>Max Head</td>
<td>116’ (35.4 m)</td>
</tr>
<tr>
<td>Max Static Priming Lift</td>
<td>28’ (8.5 m)</td>
</tr>
<tr>
<td>Temperature Limit</td>
<td>160° F (70° C)</td>
</tr>
<tr>
<td>Solids Handling Capability</td>
<td>3” (76.2 mm)</td>
</tr>
<tr>
<td>Max Casing Pressure</td>
<td>125 psig (862 kPa)</td>
</tr>
<tr>
<td>Fuel Cell</td>
<td>58 gallons (219 liters)</td>
</tr>
<tr>
<td>Dry Weight</td>
<td>2,950 lbs</td>
</tr>
</tbody>
</table>

**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

Specifications reflect model pictured, and are subject to revision without notice. Global Pump is not liable for any consequential, incidental or indirect damages relating to these specifications.