Prefabricated Pumping Stations

GRP/FRP Construction
PACKAGED PUMP STATIONS

WPS 900          WPS 250
WPS 3000         WPS1200
WPS 5000

With tank sizes ranging from 100L to 100,000L, in a range of materials including polyethylene & fibre glass. we have a “complete packaged pump solution” to meet your site specific specifications.

Available with a complete range of accessories that removes the complexity out of purchasing & installing a packaged pump station. Accessories include access cover options, guide rail or freestanding pump configurations, inlet and outlet tank connections, Electrical conduit connections, risers, dry valve pits, custom built control panels, lifting chains other specialized site specific requirements.

GSM-GPRS remote control I/O module, data logger

info@waterengrs.com

www.waterengrs.com
Packaged Pump Stations

**WPS 250**

**Specification**

- **Model No.**: WPS250
- **Depth**: 900mm
- **Outer Diameter**: 730mm
- **Inner Diameter**: 650mm
- **Nominal Litres**: 250
- **Approximate Weight**: 25kg
- **Access Cover**: 600mm x 600mm

**Construction**

- Polyethylene tank
- Inlet pipe to be installed by plumber
- All in-tank fittings incorporated in the packaged pump stations as follows:
  - PVC ball and non-return valves barrel unions.
  - PVC interconnecting pipe work.

**Liquid Handled**

- Raw sewage
- Trade waste
- Effluent
- Stormwater

**Pump Options**

- Single Pump
- Freestanding

**Control Panel Options**

- Access Cover Options: Pump station is supplied standard with light duty polyethylene cover.

**Access Cover Options**

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>TYPE</th>
<th>CLASS</th>
<th>WEIGHT</th>
<th>CLEAR OPENING</th>
</tr>
</thead>
<tbody>
<tr>
<td>190108</td>
<td>600 x 600 LD Cast Iron Solid Top</td>
<td>B</td>
<td>56</td>
<td>600 x 600</td>
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<tr>
<td>19180</td>
<td>600 x 600 HD Cast Iron Solids Top</td>
<td>D</td>
<td>115</td>
<td>600 x 600</td>
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<tr>
<td>190192</td>
<td>600 x 600 Class B Galvanized Grate</td>
<td>B</td>
<td>50</td>
<td>600 x 600</td>
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</tbody>
</table>

The WPS 250 litre pump station is a complete package including a pumpwell, access cover, submersible pump, pipework and valves. The options are endless with different pump controllers, alarms, pipework materials, access covers and an extensive range of submersible pumps for many different applications including: raw sewage, effluent, storm water, trade waste, condensate water, seepage water, surface water etc.
PACKAGED PUMP STATIONS
WPS 900

SPECIFICATION

<table>
<thead>
<tr>
<th>Model No.</th>
<th>WPSS00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth</td>
<td>1200mm</td>
</tr>
<tr>
<td>Outer Diameter</td>
<td>1120mm</td>
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<tr>
<td>Inner Diameter</td>
<td>1000mm</td>
</tr>
<tr>
<td>Nominal Litres</td>
<td>900</td>
</tr>
<tr>
<td>Approximate Weight (Excluding Pump/s)</td>
<td>45kg</td>
</tr>
<tr>
<td>Access Cover</td>
<td>600mm x 600mm</td>
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</tbody>
</table>

CONSTRUCTION

Polyethylene tank
Inlet pipe to be installed by plumber
All in-tank fittings incorporated in the packaged pump stations as follows:
- PVC ball and non-return valves barrel unions.
- PVC interconnecting paperwork.

LIQUID HANDLED

- Rain sewage
- Trade waste
- Effluent
- Stormwater

PART NO. | CAPACITY | TYPE       | VOLTAGE | CONFIGURATION |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>192040</td>
<td>900</td>
<td>DRAINAGE</td>
<td>240</td>
<td>Single/Freestanding</td>
</tr>
<tr>
<td>192041</td>
<td>900</td>
<td>DRAINAGE</td>
<td>240</td>
<td>Dual/Freestanding</td>
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<td>192048</td>
<td>900</td>
<td>SEWAGE CUTTER</td>
<td>240</td>
<td>Single/Freestanding</td>
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<tr>
<td>192049</td>
<td>900</td>
<td>SEWAGE CUTTER</td>
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<td>Dual/Freestanding</td>
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<td>192063</td>
<td>900</td>
<td>VORTEX</td>
<td>415</td>
<td>Dual/Guide Rail</td>
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<tr>
<td>192042</td>
<td>900</td>
<td>VORTEX</td>
<td>240</td>
<td>Single/Freestanding</td>
</tr>
<tr>
<td>192076</td>
<td>900</td>
<td>SEWAGE GRINDER</td>
<td>240</td>
<td>Dual/Guide Rail</td>
</tr>
<tr>
<td>192082</td>
<td>900</td>
<td>SEWAGE GRINDER</td>
<td>415</td>
<td>Dual/Guide Rail</td>
</tr>
<tr>
<td>192091</td>
<td>900</td>
<td>VORTEX</td>
<td>240</td>
<td>Dual/Guide Rail</td>
</tr>
<tr>
<td>192094</td>
<td>900</td>
<td>VORTEX</td>
<td>415</td>
<td>Dual/Guide Rail</td>
</tr>
</tbody>
</table>

The design, construction and appropriateness of design methodology of all FRP structures is verified and
within the bounds of AS2634:1983, BS4994 The general construction of the station is as follows:

✔ Internal Corrosion Barrier Contact Moulded 0.5mm “C” Glass Veil Surface layer with Hetron 922
   (or equivalent) Vinyl Ester Resin

✔ Internal Corrosion Barrier Backing Layers 2.5mm ‘E’ Glass Chop Strand tie layer with Hetron 922
   (or equivalent) Vinyl Ester Resin

✔ Structural Laminate ‘E’ Glass reinforcement in chopped and continuous strands. Minimum glass
   content 50% (Thickness according to Design requirements)

✔ Structural Stiffeners Polyurethane Foam rib former overlaid with ‘E’ Glass reinforcement in
   chopped and continuous strands. Minimum glass content 50% (Size and Thickness according to
   Design requirements) External Surface – Final Surface 0.5mm “C” Glass Veil Surface layer
   with Hetron 922 (or equivalent) Vinyl Ester Resin

✔ External Surface – Sealer Pigmented ISO/NPG Flowcoat for external protection
PACKAGED PUMP STATIONS
WPS1200

SPECIFICATION
Model No. WPS 1200
Depth 1600mm
Outer Diameter 1120mm
Inner Diameter 1000mm
Nominal Litres 1200
Approximate Weight 62kg
Access Cover 600mm x 600mm

CONSTRUCTION
Polyethylene tank
Inlet pipe to be installed by plumber
All in-tank fittings incorporated in the packaged pump stations as follows:
- PVC ball and non-return valves barrel unions.
- PVC interconnecting pipe work.

LIQUID HANDLED
Raw sewage Trade waste
Effluent Stormwater

PUMP OPTIONS
- Single or Dual
- Freestanding or Guide Rail

PART NO. CAPACITY TYPE VOLTAGE CONFIGURATION
190918 1200 DRAINAGE 240 Single/Freestanding
190930 1200 DRAINAGE 240 Single/Freestanding
190930 1200 DRAINAGE 415 Single /Dual/Freestanding
190990 1200 SEWAGE CUTTER 240 Single/Freestanding
191020 1200 SEWAGE CUTTER 240 Dual/Freestanding
191158 1200 SEWAGE GRINDER 415 Single /Dual/Freestanding
191236 1200 VORTEX 240 Single/Freestanding
191248 1200 VORTEX 240 Dual/Freestanding
191260 1200 VORTEX 415 Dual/Freestanding

FIBREGLASS PUMP STATIONS AND WELLS DESIGNED FOR A RANGE OF APPLICATIONS
Our pump stations are designed to be versatile, enabling their use for many different types of requirement. These include:
- Subdivisions – residential and industrial
- Caravan parks
- Mining sites
- Shopping centres
- Hospitals

OUR PUMPING STATIONS HAVE A RANGE OF FEATURES TO ENHANCE THEIR USABILITY AND FLEXIBILITY
Designed to reduce site work and installation time: comes fully fitted with factory-assembled pumps and pipework
Built to comply with the highest OHS (Occupational Health and Safety) and standards
 Comes with a wide range of accessories that enhance performance
Made of lightweight yet corrosion-resistant material for superior strength.
Customizable parts with a pump station that comes in a variety of sizes, from 600mm to 2,400mm in diameter.
We also offer many options for the type of material used for access covers.
PACKAGED PUMP STATIONS
WPS3000

**SPECIFICATION**

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>CAPACITY</th>
<th>TYPE</th>
<th>VOLTAGE</th>
<th>CONFIGURATION</th>
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<tbody>
<tr>
<td>191260</td>
<td>3000</td>
<td>DRAINAGE</td>
<td>240</td>
<td>Single/Freestanding</td>
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<tr>
<td>191269</td>
<td>3000</td>
<td>DRAINAGE</td>
<td>415</td>
<td>Dual/Freestanding</td>
</tr>
<tr>
<td>191266</td>
<td>3000</td>
<td>DRAINAGE</td>
<td>120</td>
<td>Dual/Freestanding</td>
</tr>
<tr>
<td>191284</td>
<td>3000</td>
<td>SEWAGE GRINDER</td>
<td>415</td>
<td>Dual/Freestanding</td>
</tr>
<tr>
<td>191279</td>
<td>3000</td>
<td>VORTEX</td>
<td>415</td>
<td>Dual/Freestanding</td>
</tr>
</tbody>
</table>

**CONSTRUCTION**
- Polyethylene tank
- Inlet pipe to be installed by plumber
- All in-tank fittings incorporated in the packaged pump stations as follows:
  - PVC ball and non-return valves barrel unions.
  - PVC interconnecting paperwork.

**LIQUID HANDLED**
- Raw sewage
- Trade waste
- Effluent
- Stormwater

**PUMP OPTIONS**
- Single, Dual or Triplex
- Freestanding or Guide Rail

**Specifications**
- Simplex (one pump), duplex (two pumps), or triplex (three pumps) configuration
- Non-Hazardous applications with temperatures up to 1800 F
- 316 stainless steel corrosion resistant sump pumps with vortex impellers for solids handling applications
- Level switch assembly or level transmitter for pump ON/OFF control
- Side or top inlet connections
- Remote Control Panel
- Factory-assembled and tested before shipment

**Standard Features**
- Cylindrical fiberglass basin with lifting lugs for installation and anti-floatation flange
- Ortho Polyester resin or Vinyl Ester liner for added corrosion resistance
- Slip-resistant aluminum cover rated for pedestrian traffic with access hatches
- Submersible 316 stainless steel sump pump with guide rail, dual Viton mechanical seals, 33 ft PVC jacketed cable, and built-in overload/thermal protection
- Check and isolation valves on the discharge of each pump to prevent backflows and facilitate maintenance
- PVC, CPVC, or stainless steel piping and fittings
- Lockable disconnect for each pump to allow maintenance on one pump while the others are still in service
- NEMA 4 junction box to connect to remote UL-Listed control panel

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PACKAGED PUMP STATIONS
WPS5000

SPECIFICATION

<table>
<thead>
<tr>
<th>Model No.</th>
<th>KPPS5000</th>
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<tbody>
<tr>
<td>Depth</td>
<td>3300mm</td>
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<tr>
<td>Outer Diameter</td>
<td>1900mm</td>
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<tr>
<td>Inner Diameter</td>
<td>1800mm</td>
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<tr>
<td>Nominal Liters</td>
<td>5000</td>
</tr>
<tr>
<td>Weight</td>
<td>550kg</td>
</tr>
<tr>
<td>Access Cover</td>
<td>600 x 900mm</td>
</tr>
</tbody>
</table>

CONSTRUCTION

- Polyethylene tank
- Inlet pipe to be installed by plumber
- PVC ball and non-return valves barrel unions
- PVC interconnecting pipework

PART NO. | CAPACITY | TYPE      | VOLTAGE | CONFIGURATION
---------|----------|-----------|---------|----------------|
19273    | 5000     | SEWAGE GRINDER | 240     | single/freestanding |
192354   | 5000     | SEWAGE GRINDER | 240     | dual/freestanding  |
192796   | 5000     | SEWAGE GRINDER | 240/415 | dual/freestanding  |
192252   | 5000     | DRAINAGE      | 240/415 | dual/freestanding  |
192282   | 5000     | VORTEX       | 240/415 | dual/freestanding  |
192823   | 5000     | VORTEX       | 240/415 | dual/guide rail    |

LIQUID HANDLED

- Raw sewage
- Trade waste
- Effluent
- Stormwater

PUMP OPTIONS CONFIGURATION

- Single
- Dual
- Triplex
- Freestanding
- Guide Rail

OUR PUMPING STATIONS HAVE A RANGE OF FEATURES TO ENHANCE THEIR USABILITY AND FLEXIBILITY

- Designed to reduce site work and installation time: comes fully fitted with factory-assembled pumps and pipework Controls are selected to meet your site requirements
- Built to comply with the highest OHS (Occupational Health and Safety) and standards
- Comes with a wide range of accessories that enhance performance
- Made of lightweight yet corrosion-resistant material for superior strength. Customizable parts with a pump station that comes in a variety of sizes.
- We also offer many options for the type of material used for access covers.

Dry valve pits
“Non” standard dimensions
Water charged ground
Above ground installation
Corrosion resistant
Horizontal or vertical configuration

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Our other Products

Reverse Osmosis System  Sewage Treatment Plant  Chemical Injection Skid

Gas Chlorination System  Swimming pool disinfection  Odour Control Systems

Chlorine Gas Scrubber  Sewage Treatment Plant  Water Treatment Chemicals

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