Wastecorp® Plunger Pumps

SEVERE DUTY SLUDGE PUMPS - PE™, HPE™, EHPE™ SERIES SINCE 1928

ecatalogue.wastecorp.com
A Wastecorp Plunger Pump Doesn't Mess Around.

Wastecorp Pumps is now the world's largest OEM manufacturer of sewage style plunger pumps. As the recognized worldwide leader in plunger pump innovation, design and manufacturing, Wastecorp has once again made major leaps forward in the fundamental design of the plunger pump.

From energy saving/ environmentally friendly drive systems to providing the strongest shafts in the business, no other sludge pump brand lasts longer or reduces your costs more than a Wastecorp Plunger Pump.

* Wastecorp Plunger Pumps are designed and manufactured by Wastecorp in North America.
OVER 18,000 INSTALLATIONS WORLDWIDE.
What is a Plunger Pump?

A plunger pump is a positive displacement pump which uses a plunger to force liquid from the suction side to the discharge side of the pump. Wastecorp Plunger Pumps are specified to move heavy municipal and industrial sludge up to 18-20% solids.

Wastecorp Plunger Pumps operate essentially clog free because the pulsating motion of the plunger breaks up potential blockages. All Wastecorp Plunger Pump series are self-priming and capable of handling suction lifts up to 25 ft.
The legacy of PE, HPE and EHPE Series plunger pumps continue under the Wastecorp brand name. The founding fathers would be proud of Wastecorp’s innovative and unprecedented design changes undertaken with the input from America’s wastewater treatment engineers and maintenance staff. Replaceable connecting rod inserts, leak prevention system packing and bullet proof shafts make the Wastecorp Plunger Pump line a preferred sludge fighter throughout North America and around the world. Experience the Wastecorp difference today.
Use Wastecorp lifting tongs to eliminate contact with check balls. Ask for part # WSCK007.

Stronger 160,000 PSI strength shafts is one more feature that separates Wastecorp Plunger Pumps from the crowd. Stronger shafts reduce stress on other components such as the flange and eccentric.

- Easy to maintain.

Nothing Beats The Original. Are rotary lobe, progressive cavity and other plunger pump competitors trying to sell you a story? Beware of what they don't tell you. Always take the life cycle cost equation into account when selecting your pump.

Wastecorp offers premium grade urethane valve seats on all models. These valve seats offer a better fit in the valve chamber, thereby extending the life of the check ball and valve chamber.

PE, HPE and EHPE pumps consistently rank among the top sludge pumps of choice. And there's a reason for it. Wastecorp innovation keeps daily ownership costs lower.
A. Run Dry Protection from Wastecorp
Be sure to spec gauges with your plunger pumps. Our gauges monitor operating pressure and feature a built in shut off switch. Ask your Wastecorp representative for more information.

B. Replaceable Eccentric Liner
Wastecorp pioneered the replaceable connecting rod insert now standard on all models. Replace only the insert instead of the entire connecting rod.

C. Wastecorp. Pumps is committed to lowering emissions and saving energy. Our pump drive systems use advanced technology components reducing power consumption and saving your facility on utilities costs.

D. Higher Grade Cast Iron
Wastecorp plunger pump castings hold a cast iron classification of ASTM A48-64; Class 40. This translates to longer lasting components.

From replaceable connecting rod inserts to energy saving drive systems, you get more from Wastecorp Plunger Pumps. Wastecorp invests hundreds of engineering hours perfecting our industry leading design. And, with a Wastecorp Plunger pump you get our commitment to protecting the environment and saving energy with our low emission drive systems.
Wastecorp PE-A Series

Wastecorp PE-A plunger pumps are simplex units, engineered with 7" diameter plungers, designed to meet the needs of the lower capacity plant with operating capacities under 60 GPM. As a standard, these pumps operate at a constant speed; however, Wastecorp offers several adjustable speed options for all of its pump series. Variation of pumping capacity can be achieved by way of adjustment of the pump eccentric or through the use of a variable frequency drive or mechanical speed drive.
Wastecorp PE-A plunger pumps are simplex units, engineered with 7" diameter plungers, designed to meet the needs of the lower capacity plant with operating capacities under 60 GPM. As a standard, these pumps operate at a constant speed; however, Wastecorp offers several adjustable speed options for all of its pump series. Variation of pumping capacity can be achieved by way of adjustment of the pump eccentric or through the use of a variable frequency drive or mechanical speed drive.

- **OVER 18,000 INSTALLATIONS WORLDWIDE.**
  - **PE61-A** (featured right)
    - Shown with standard galvanized air chambers.
  - **A.** Belt driven and direct drive systems available.
  - **B.** Wastecorp Plunger Pac™ is a leak prevention packing system designed to strengthen the seal around the plunger and reduce seepage. Plunger-Pac™ is another Wastecorp innovation available on all models.
  - **C.** Heavy duty air chambers available in stainless steel for transferring corrosive fluids.

### Maximum Operating Conditions

<table>
<thead>
<tr>
<th>Model</th>
<th>U.S. GPM</th>
<th>Head (ft.)</th>
<th>Plunger Dia.</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>PE-61A</td>
<td>57</td>
<td>100</td>
<td>7&quot;</td>
<td>Simplex</td>
</tr>
<tr>
<td>PE-741</td>
<td>57</td>
<td>100</td>
<td>7&quot;</td>
<td>Simplex</td>
</tr>
</tbody>
</table>
The highly efficient Space Saver series has all of the rugged characteristics you have come to expect from Wastecorp Plunger Pumps within a compact integrated steel frame. At its widest point it measures less than 17". These units are equipped with a uni-construction steel base that eliminates the need for a structural concrete pad.

More sludge pump facilities with space restrictions are installing the space saver for lower life cycle costs and better performance.

Limited Space?

Wastecorp's Space-Saver Expands The Possibilities.
OVER 18,000 INSTALLATIONS WORLDWIDE.

Integrated steel frame eliminates the need for a concrete pad. Simply bolt in and turn on.

Energy Saver Drives standard on all Wastecorp Space Saver’s. Optional variable frequency drive systems available.

•

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</thead>
<tbody>
<tr>
<td>PE-7SS</td>
<td>60</td>
<td>100</td>
<td>7”</td>
<td>In-line</td>
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<tr>
<td>PE-9SS</td>
<td>100</td>
<td>180</td>
<td>9”</td>
<td>In-line</td>
</tr>
<tr>
<td>PE-11SS</td>
<td>140</td>
<td>115</td>
<td>11”</td>
<td>In-line</td>
</tr>
</tbody>
</table>

Space Saver Model Section

15 ¾

The Wastecorp Space Saver is the ideal replacement choice for an existing rotary lobe, progressive cavity or disc pump, since the suction and discharge piping configurations are very similar.
Wastecorp PE Series plunger pumps are designed to handle the heavy, effluent viscous sludge encountered in sanitary and industrial waste treatment processes.

PE Series plunger pumps are available with our standard V-Belt drive, constant speed direct drive, or variable speed/frequency drives. These pumps are capable of capacities up to 495 GPM and head levels up to 180 feet. Pump capacity can be permanently adjusted through the use of multiple eccentric positions established by an index pin.

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<tbody>
<tr>
<td>PE-81/PE 941</td>
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<td>180</td>
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<td>Simplex</td>
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<tr>
<td>PE-111W/PE-1141</td>
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<td>115</td>
<td>11&quot;</td>
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<tr>
<td>PE-112/PE-1142</td>
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<td>115</td>
<td>11&quot;</td>
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<tr>
<td>PE-83W/PE 943</td>
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<td>180</td>
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<td>Triplex</td>
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<tr>
<td>PE-84W/PE-944</td>
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<td>9&quot;</td>
<td>Quadruplex</td>
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<tr>
<td>PE-113W/PE-1143</td>
<td>371</td>
<td>115</td>
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<td>Triplex</td>
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<tr>
<td>PE-114W/PE-1144</td>
<td>495</td>
<td>85</td>
<td>11&quot;</td>
<td>Quadruplex</td>
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**PE-Series Medium-Heavy Duty**

**Optional Components**

**Plunger Coatings:**
- Hard Chrome Plated
- Nickel Chrome Alloy
- Aluminum Oxide
- Chrome Oxide
- Tungsten Carbide
- 420 Stainless Steel

**Plunger Guides:**
- Chevron V-Type Packing Rings
- Wastecorp Plunger Pac™ (Leak-Preventention Packing)

**Valves and Fittings:**
- Dual Ball Valve Assembly
- Valve Seats in Stainless Steel, Bronze or urethane
- Stainless Steel Pipe Air Chambers
- Vacuum and Pressure Gauges, With or Without Diaphragm Seal, 4½" Diameter Dial, Variety of Ranges Available
- Electrical Pressure Switch
- Automatic ‘Ball-type’ Oiler
- Electric Solenoid Oiler
- Positive Displacement Oiler (Not Available on PE-61A Series Pumps)
- Quick Opening Sampling Valves for Suction and Discharge Manifolds in 1" or 2" Sizes
- Capped Hose Valve on Suction Side for Flushing
- Six-Figure Mechanical Revolution Counter
- Anchor Bolts & Engineering Wrenches
- Variable Frequency Drives
- Separate Constant Speed Gear Reducers
Over 18,000 installations worldwide.

PE 941 featuring a guided plunger assembly for less pump wear.

Relentless Performance.

• Wastecorp’s PE Series plunger pumps are offered in a wide range of models to suit any application from 9” simplex models to 11” quadruplex models. The optional direct drive allows for a smaller pump model to meet your specifications. This helps your facility lower operating costs from day one.

PE Series Standard Features
• Cast iron plunger
• Graphite impregnated braided flax packing
• Adjustable & recessed packing gland
• Single ball valve assemblies
• Cast iron valve seats, replaceable
• 1” or 2” bronze quick-opening sampling valve on pump discharge side
• 7 ½ lb urethane rubber balls 5⅛” diameter
• Manual, sight feed oiler, 1½ oz. capacity

Ask for it!
Where ever higher than usual working pressures are of prime consideration, Wastecorp provides the answer with the ruggedly-built HPE series.

HPE Series plunger pumps are designed to meet the needs of the higher capacity plants with operating capacities to 600 GPM and heads to 240 feet. These pumps are similar to the PE units but incorporate heavier drive components, larger shafts and heavy-duty connecting rod assemblies.

Wastecorp EHPE pumps, with capacities equal to the HPE are capable of discharge heads to 300 feet. These units incorporate a separate gear reducer and are offered with constant or variable speed drives depending on the individual application.

Heavy-duty shaft material and increased casting classifications make this series our extra heavy-duty line of pumps.

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</thead>
<tbody>
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<td>HPE-82W/</td>
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<td>9&quot;</td>
<td>Duplex</td>
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<td>11&quot;</td>
<td>Duplex</td>
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<td>HPE-1141</td>
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<td>HPE-943</td>
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<td>240</td>
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<tr>
<td>EHPE-943</td>
<td>278</td>
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<td>9&quot;</td>
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<tr>
<td>HPE-84W</td>
<td>370</td>
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<td>HPE-944</td>
<td>270</td>
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<td>HPE-1144</td>
<td>590</td>
<td>170</td>
<td>11&quot;</td>
<td>Quadruplex</td>
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**HPE Series / EHPE Series Extreme Duty™™**
OVER 18,000 INSTALLATIONS WORLDWIDE.

Wastecorp HPE Series and EHPE Series MANUFACTURING THE ULTIMATE HIGH VOLUME SLUDGE PUMP.

UNMATCHED QUALITY COMPONENTS.

Corrosion Resistance
- Stainless steel
- Nickel alloy
- Hard chrome

Abrasion Resistance
- Stainless steel
- Nickel alloy
- Hard chrome

Wastecorp manufactures plungers with a superior cast iron classification of ASTM A48-64; Class 40. In addition to standard cast iron, consider the following coating options for your application:
Take Your Plunger Pump Where Others Won’t Go.

The severe duty Wastecorp trailer mounted plunger pump series takes the ultimate sludge fighter anywhere tough sludge needs to be pumped. From oil field applications to municipal sewage cleanups and beyond, Wastecorp's mobile plunger pumps can’t be beat for low cost of ownership and years of service.

This 1940's style trailer mounted walking beam plunger pump was designed for the U.S. Navy during WWII. The pump was used in the construction of a remote air base in the South Pacific. Wastecorp Pumps continues the tradition of designing innovative plunger pump solutions for sludge transfer.

HPX-81W™ Trailer Mounted Plunger Pump

- 4" 125 lb. suction & discharge flange connections
- 2" bronze quick opening sampling valve
- Replaceable eccentric bearing
- Choose from belt driven or direct drive models
- Optional DOT highway package available

Above:

INSPIRED BY THE PAST. ENGINEERED FOR THE FUTURE.

ORIGINAL UNMATCHED QUALITY. WASTECORP PLUNGER PUMPS.
GENUINE OEM: PE SERIES
HPE SERIES
EHPE SERIES
ORIGINAL PLUNGER PUMP PARTS
FOR PLUNGER PUMPS DATING BACK TO 1954.

CALL WASTECORP AT 1.888.829.2783 TO LOCATE AN AUTHORIZED DISTRIBUTOR IN YOUR AREA.