

Wastecorp **Plunger Pumps**[®]

Materials of Construction

PUMP COMPONENT	STANDARD MATERIAL	OPTIONAL MATERIALS
MAINSHAFT	A4140/4142 High-Strength Alloy Steel	
ECCENTRIC	ASTM A48, Class 35 Close-grained Grey Iron	
ECCENTRIC LUBRICATION	Manual Sight Feed Oiler, 1.5 oz	a) Automatic ball-type oiler with needle valve (4 oz), b) Electric Solenoid Oiler, c) Mechanical Force Feed Lubricator
DRIVEN/DRIVE FLANGES	ASTM A48, Class 35 Close-grained Grey Iron	
CONNECTING ROD	ASTM A48, Class 35 - 40 Close-grained Grey Iron	
ECCENTRIC BEARING LINER	Replaceable, Aluminum Alloy 319	
BUSHING, WRIST PIN	SAE 941 Oil-Lite Bronze	
WRIST PIN	A4140/4142 High-Strength Alloy Steel	
VALVE SEAT	ASTM A48, Class 35 Close-grained Grey Iron	Bronze Alloy, 316 Stainless Steel
BALL VALVE	5-1/8" Urethane Rubber with Centralized Iron Core	
PLUNGER	ASTM A48, Class 35 Close-grained Grey Iron, Hardened to min. Rc40, Polished to RMS 32 finish	<i>Coatings Available:</i> a) Hard Chrome Plated, b) Chrome Oxide, c) Aluminum Oxide, d) Tungsten Carbide, e) Stainless Steel
PUMP BODY	ASTM A48, Class 35 Close-grained Grey Iron	
STUFFING BOX	ASTM A48, Class 35 Close-grained Grey Iron	
GLAND	ASTM A48, Class 35 Close-grained Grey Iron	
FLANGE CONNECTION	4" ANSI 125 lb (Simplex and Duplex Pumps) 6" ANSI 150 lb (Triplex and Quadruplex Pumps)	
AIR CHAMBER	A53 Seamless Steel Pipe, Anodized with 1/4" brass petcock	304 or 316 Stainless Steel
PACKING	1/2" sq. Graphite Impregnated Braided with Poly-urethane seal	a) Graphite Rings Only, b) Chevron Rings Only, c) Combo (Graphite/Chevron), d) Plunger Pac (Chevron, Teflon and Poly-urethane seal)
PUMP BASE	Fabricated heavy-duty steel channel and tube base plate and pedestals with drip gutters and 1" drain connections	
DRIVE ARRANGEMENT	Constant Speed, Helical Gearmotor coupled to pump's mainshaft, Max. Output Speed: 50 RPM	a) V-Belt/Gear/Pulley System, b) Mechanical Variable Speed Drives, c) Variable Frequency Drives, d) Others – Contact Wastecorp
DRIVE COUPLING	Flexible Grid-Type	a) Disc Coupling, b) Elastomer Coupling, c) Others – Contact Wastecorp

OPTIONAL ACCESSORIES:

- Six Figure Revolution Counter
- Pressure Gauge with Diaphragm Seal (0-XX psi)
- Compound Gauge with Diaphragm Seal (30" Hg-0-XX psi)
- Pressure Indicating Switch to Shut Pump Down
- Pressure Relief Valves (with or without by-pass piping)
- Capped Hose End Valve



Wastecorp Plunger Pumps[®]
The Ultimate Sludge Fighters.

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Wastecorp Plunger Pumps[®] are OEM designed and manufactured by Wastecorp Pumps.
 Wastecorp is the exclusive manufacturer of PE, HPE and EHPE Series Pumps worldwide.