

**EHPE™ Series**  
**EXTREME DUTY**  
**PLUNGER PUMPS**

**DIRECT DRIVE**

EHPE-942™ ..... EHPE-1142™  
 EHPE-943™ ..... EHPE-1143™  
 EHPE-944™ ..... EHPE-1144™

**FEATURES**

- Head levels up to 300'
- .....
- Pump sewage up to 370 GPM
- .....
- 160,000 psi strength shafts
- .....
- Replaceable bronze insert for lower cost parts
- .....
- Leak resistant design with Plunger Pac™ standard
- .....

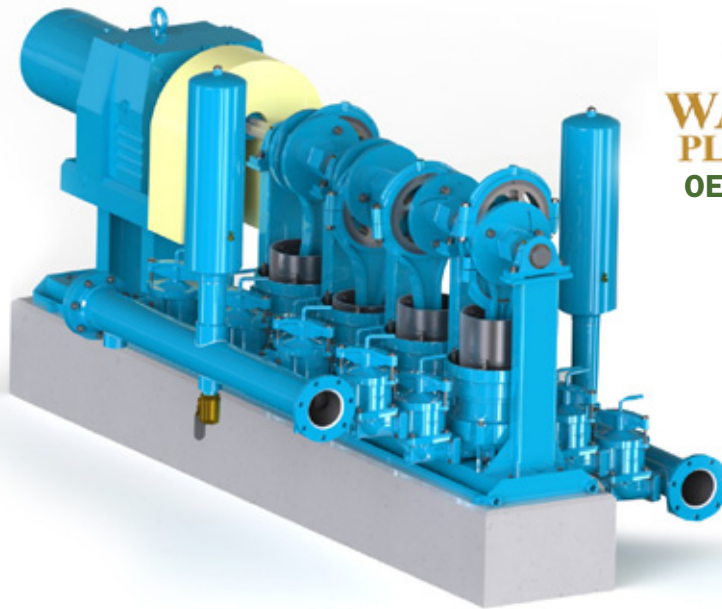
**CUSTOMER SUPPORT**

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# Higher Discharge Head Conditions? The EHPE Series is Your Pump.

Wastecorp's EHPE Series, plunger pumps are designed for extreme pumping conditions at waste-water treatment plants, military bases, aircraft carriers, industrial sewage treatment and much more. With up to 300 ft. of total discharge head capabilities, your facility will pump raw sewage, sludge and slurry, with proven pump technology since 1928.

The EHPE Series is available with our all new compact design with a vertical motor mount. You can also upgrade to the ultra seal Wastecorp Plunger Pac packing, bronze or stainless steel components and much more.

General Specifications	Duplex EHPE-942	Triplex EHPE-943	Quadruplex EHPE-944
Number of plungers	2	3	4
Plunger dia. (in)	9		
Air chambers	(2) 9"x30"		
Flanged connections	4" ANSI 125 #	6" ANSI 150 #	6" ANSI 150 #
Driver speed, RPM	1800		
Number of pin positions	11		
Max. strokes per min.	45		
Max. stroke length (in)	7.25		
Max. suction lift (ft)	20		
Max. total head (ft)	300		
Max. capacity (GPM)	187	278	370
Eccentric dia. (in)	12		
Eccentric shaft tensile strength (PSI)	160,000		

**Recommended Spare Parts**

Index shear pin	60795-00
Ball valve	33956-00
Bushing (bronze)	52003-00
Connecting insert	15376-00
Plunger 9"	15041-02

Pump Component	Standard Material	Optional Material
MAIN SHAFT	A4140/4142 High-Strength Alloy Steel	
ECCENTRIC	ASTM A48, Class 35 Grey Iron	
LUBRICATION	Manual Sight Feed Oiler, 5 oz	a) Automatic ball-type oiler with needle valve (5 oz), b) Electric Solenoid Oiler, c) Mechanical Force Feed Lubricator
DRIVEN/DRIVE FLANGES	ASTM A48, Class 35 Grey Iron	
BUSHING, SHEAR PIN	Hardened Steel	
SHEAR PIN	Fabricated Cold Rolled Steel	
CONNECTING ROD	ASTM A48, Class 35 Grey Iron	ASTM A536 Grade 65-45-12 Ductile Iron
ECCENTRIC BEARING LINER	Replaceable, Bronze SAE 660	
BUSHING, WRIST PIN	SAE 941 Oil-Lite Bronze	
WRIST PIN	A4140/4142 High-Strength Alloy Steel	
VALVE SEAT	ASTM A48, Class 35 Grey Iron	Bronze Alloy, 316 Stainless Steel
BALL VALVE	5-1/8" Urethane Rubber with Centralized Iron Core	
PLUNGER	ASTM A48, Class 35 Grey Iron	ASTM A536 Grade 65-45-12 Ductile Iron
OPTIONAL PLUNGER COATINGS	PUMP BODY	Coatings Available: a) Chrome Oxide, b) Aluminum Oxide, c) Tungsten Carbide, d) Hastelloy C, e) Stainless Steel
STUFFING BOX	ASTM A48, Class 35 Grey Iron	
GLAND	ASTM A48, Class 35 Grey Iron	
FLANGE CONNECTION	4" ANSI 125 lb (Simplex and Duplex Pumps) 6" ANSI 150 lb (Triplex and Quadruplex Pumps)	
SAMPLING DRAIN VALVE	2" Brass Ball Valve on Discharge	2" Brass Ball Valve on Suction 1" Capped Hose Valve on Suction
AIR CHAMBER	A53 Seamless Steel Pipe, Anodized/Galvanized with ¼" brass air release valve/petcock	304 or 316 Stainless Steel
PACKING	½" sq. Graphite Impregnated Braided with Polyurethane 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 horizontal Gearmotor coupled to pump's mainshaft, Max. Output Speed: 50 RPM	a) Constant Speed, Helical Shaft-Mounted vertical Gearmotor (vertical), b) V-Belt/Gear/Pulley System, c) Mechanical Variable Speed Drives, d) Variable Frequency Drives, e) Others – Contact Wastecorp
DRIVE COUPLING	Flexible Grid-Type	a) Disc Coupling, b) Elastomer Coupling, c) Others – Contact Wastecorp



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