

SLUDGE MASTER®
EXTREME DUTY PLUNGER PUMPS
EHPE SERIES™

PUMP MODELS

EHPE 942 Duplex

EHPE 943 Triplex

EHPE 944 Quadruplex

EHPE 1142 Duplex

EHPE 1143 Triplex

EHPE 1144 Quadruplex

FEATURES

HEAD LEVELS UP TO 300'

PUMP SEWAGE UP TO 370
GPM

160,000 PSI STRENGTH
SHAFTS

SPHERICAL SOLIDS:
1 ¾" (44.45 mm)

MAX PERCENT SOLIDS
@ 68F (20c) ambient temperature:

Industrial Sludge/Slurry: 30%
Dry Weight

Municipal Sludge/Slurry: 15%
Dry Weight

Sand/Clay mix suspended: 70%

Viscosity: 100,000 Centipoise

Specific Gravity: 2.2 to 2.

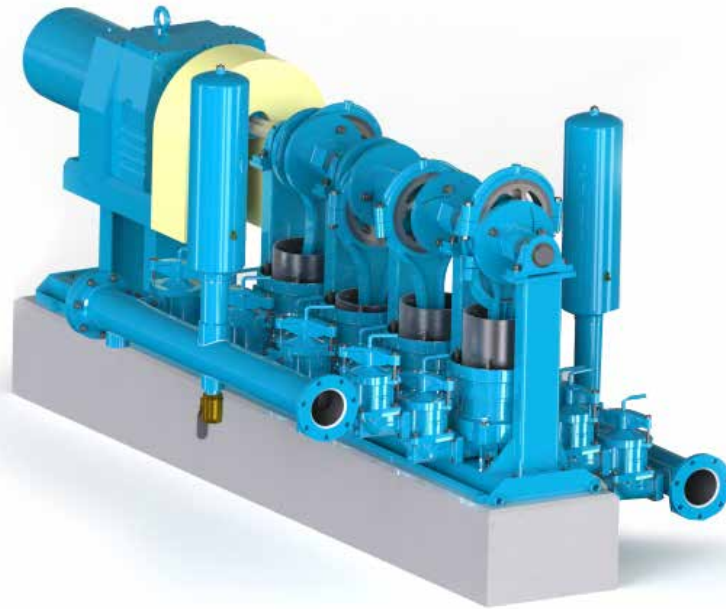
SUCTION LIFTS:
Dry Prime: 22" Hg (25 feet)

AIR HANDLING:
All others – 25 cu. ft./min at
max pressure of 30 psi.

REPLACEABLE BRONZE
INSERT FOR LOWER COST
PARTS

LEAK RESISTANT DESIGN

WASTECORP.COM



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

Wastecorp's EHPE Series, plunger pumps are designed for extreme pumping conditions at wastewater 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 A536 Grade 65-45-12 Ductile Iron	Coatings Available: a) Chrome Oxide, b) Aluminum Oxide, c) Tungsten Carbide, d) Hastelloy C, e) Stainless Steel
PUMP BODY	ASTM A536 Grade 65-45-12 Ductile Iron	
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 1/4" brass air release valve/petcock	304 or 316 Stainless Steel
PACKING	1/2" 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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The pump depictions are not meant to be used or relied upon as a substitute for the safety and use information that is published in the respective operator's manual. Before operating your plunger pump, read, understand and follow all instructions in the manual and on the pump. Specifications and programs are subject to change without notice. Images may not reflect dealer inventory and/or unit specifications. Wastecorp, PE Series, HPE Series Space Saver, Sludge Master and globes are trademarks of Wastecorp, WPCI Environmental Brands. No reproduction of this document without permission. © Wastecorp.



USA
Wastecorp Pumps Systems Inc
1795 Baseline Road
Grand Island, New York 14072 | USA
Tel: 888.829.2783 | Fax: 888-883-3320
sales@wastecorp.com

Canada
Wastecorp Pumps Inc.
50 Shorncliffe Road
Toronto, Ontario M8Z 5K1 | Canada
Tel: 416.233.3000 | Fax: 416.233.2300
info@wastecorp.com