

# SLUDGE PRO<sup>®</sup> DOUBLE DISC PUMPS 4DDWP<sup>™</sup>

#### BENEFITS

TRANSFER FROM

0-250 GPM

PUMP UP TO 21/2" SOLIDS

MAX. HEAD TO 184' (80 PSI)

NO REGULAR MAINTENANCE REQUIRED

#### TWO YEAR LIMITED WARRANTY\*

IDEAL FOR ABRASIVE, VISCOUS AND SHEAR SENSITIVE MEDIA

RUNS DRY = NO DAMAGE

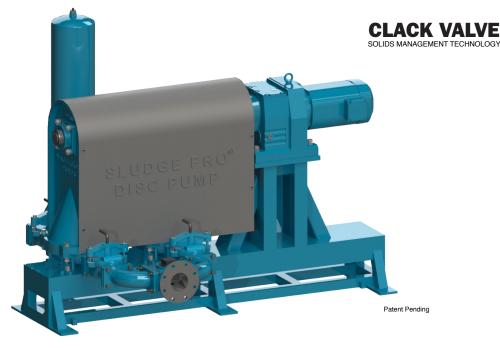
SELF PRIMING PUMP

HIGHER OPERATING PRESSURE

#### NEXT GENERATION DISC PUMP TECHNOLOGY

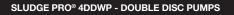
\*Contact factory for warranty details.





# **ADVANCED CLACK VALVE DISC PUMPS.**

Sludge Pro<sup>®</sup> clack valve 4DDWP disc pumps use innovative smart technology to elevate double disc pumps to a new level. Wastecorp clacks withstand the rigors of daily pumping at municipal WWTP's, food processing facilities and other industrial sludge pumping applications. Plus, Sludge Pro Pumps are operator and maintenance friendly. No regular maintenance required.





#### Advanced Smart Clack Solids Management Technology

- Unobstructed flow path allows sludge and solids to
   efficiently transfer through the pump
- Self-valving clack flexes open to pass solids up to 2 ½"
- Advanced non-slmamming properties reduces pulsation and increases efficiency



#### **Innovative Trunnion Options**

Not all pumping applications are alike, that's why Wastecorp offers you the right elastomer for your application including:

- · Santoprene® · Buna-N®
- · Nordel®

· Viton<sup>®</sup>

· Neoprene

· Teflon®



#### Pressure Sensor Assembly

Provides safe protection against dead heading, closed valves or other discharge blockages that can damage the pump. Also permits direct charging of pulsation dampener and access for cleaning.

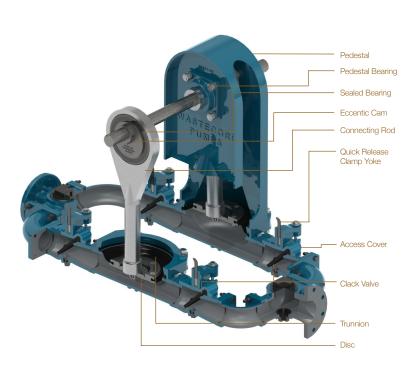
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#### **SLUDGE PRO®** DOUBLE DISC PUMPS

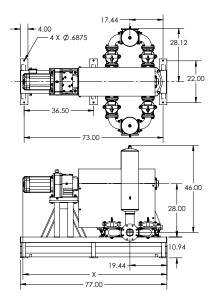


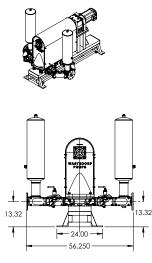


## **CUT AWAY**



# **APPROXIMATE PUMP DIMENSIONS**





## **TECHNICAL SPECIFICATIONS**

Model	Sludge Pro <sup>®</sup> 4DDWP
Connection Size	4" 150# Flanged
Typical Flow Range	0-250 GPM
Solids Handling	Max 2½"
Displacement	2.28 gal/rev
Max. Suction Lift	25'
Max. Discharge Head	184' (80 psi) (5.1 bar)
Max. Liquid Temp.	350°F (176°C)
Operating Speed	up to 110 RPM

# **MATERIALS OF CONSTRUCTION**

	Standard	Optional
Trunnion	Neoprene (TPE) 0°F to 200°F	Santoprene -40°F to +225°F Buna-N* +10°F to +180°F Viton <sup>®</sup> -40°F to +350°F Tefton <sup>®</sup> (PTFE) +40°F to +220°F Nordel <sup>®</sup> -60°F to +280°F
Discs	Ductile Iron, ASTM A 536, Grade 65-45-12	
Clack Valve	Neoprene	Viton, EPDM
Sectionalized Construction	Cast Iron ASTM A48 Class 30	See Coating Options Below
Pedestal	Ductile iron ASTM A 536, Grade 65-45-12	
Eccentric Cam	Ductile iron ASTM A 536, Grade 65-45-12	
Drive Shaft	400 Series SS	
Connecting Rod	Ductile iron ASTM A 536, Grade 65-45-12	
Base Frame	Heavy Duty Fabricated Steel	304SS, Galvanized Steel, 316 SS

# **DRIVE SYSTEM OPTIONS**

Direct Dive	Electric Motor
Optional	Air, hydraulic, belt driven
Engine Driven	Gas or diesel

Note: Consult factory for applications exceeding maximum pressure and/or temperature indicated.

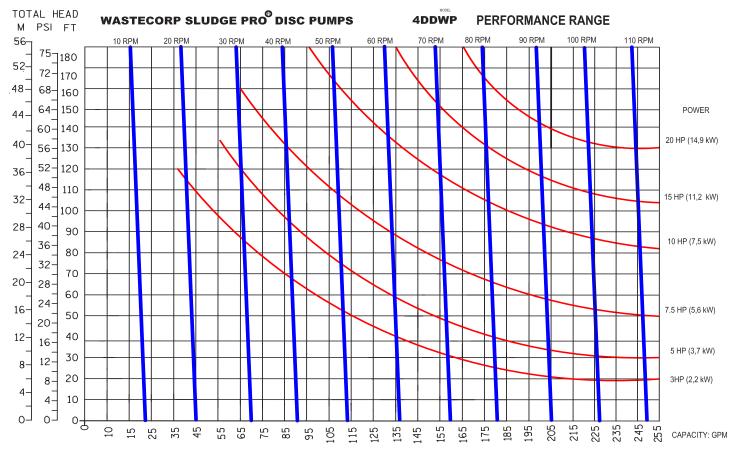
## WETTED CASTING COATING OPTIONS

Xylan, ETFE / PTFE, Dura-S, Nitrile, Neoprene, Nordel, Viton, Hypalon





### **PUMP CURVE**



SUCTION LIFTS Dry Prime Static Suction Lift: 25' (7.62m) Wet Prime: 25" Hg 28.4' (8.6m)

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 CURVE NO.:
 63911-00
 MODEL:
 4DWP

 SIZE:
 4" x 4"
 RPM:
 VARIOUS

 SP. GR.:
 1.0 @
 68°F

Displacement Per Stroke: 2.28 Gal/Revolution

Curve based on water (specific gravity = 1.0), with 10 foot static lift. The performance curve shown were taken from actual tests of standard production pumps, and reflect an average performance of the pump indicated.

REV. DS 4/2015



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