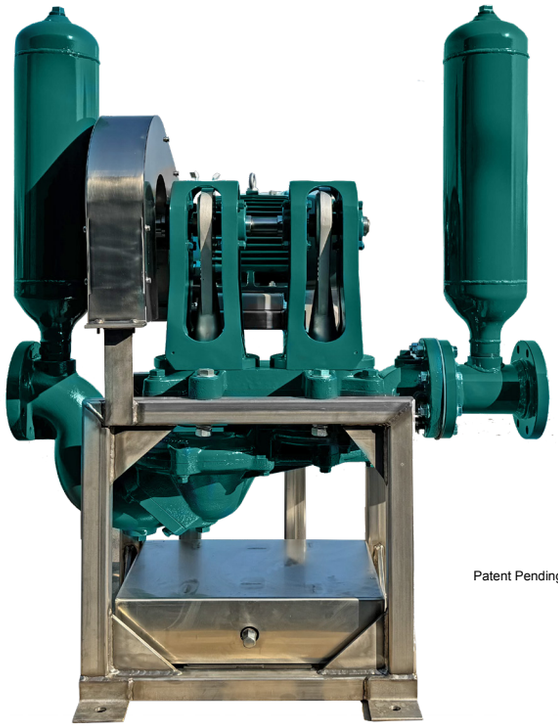
SLUDGE PRO® DOUBLE DISC PUMPS
4DDMK™ Series

DOUBLE DISC PUMPS

WASTECORP Pumps®

FOR TOUGH PUMPING JOBS, NOTHING BEATS A SLUDGE PRO PUMP

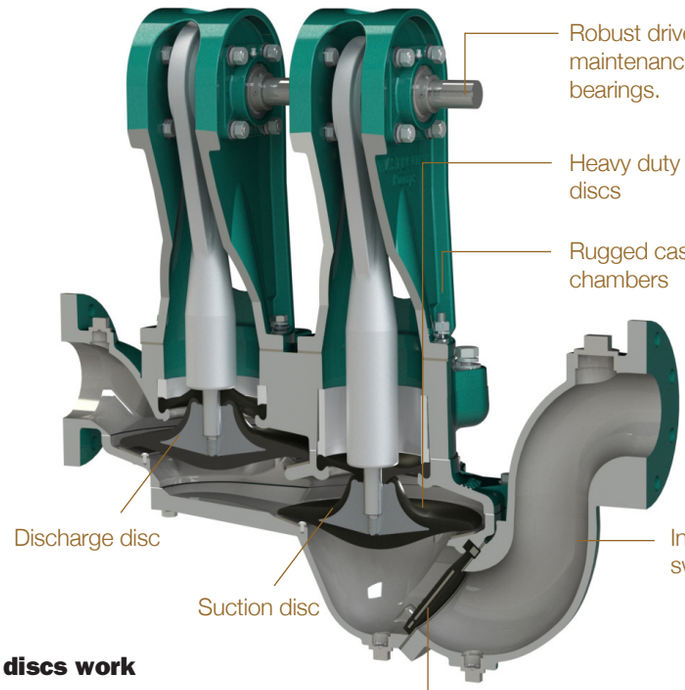
- No regular maintenance required
- Runs dry without damage
- Maintain-in-place Guide Pilot®
- Seal-less, gland-less design
- No packing or mechanical seals
- Low shear positive displacement performance
- No close tolerances
- Low friction design
- No rubbing action, allows pump to transfer highly abrasive slurries



Patent Pending

GENERAL APPLICATIONS

- Primary sludge pump
- Thickened sludge transfer
- Lime slurry and lime sludge pumping
- Scum transfer
- Belt filter press fee
- Industrial slurry and sludge transfer
- Centrifuge feed
- Rotary press feed
- Screw press feed pump
- Waste activated sludge
- Food process slurries



Induced double acting discs work in unison to achieve non-clogging performance

QUALITY ISO 9001:2015 NSAI Certified

ENVIRONMENT ISO 14001:2015 NSAI Certified

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SLUDGE PRO® DOUBLE DISC PUMPS

4DDMK™ Series

DOUBLE DISC PUMPS

WASTECORP Pumps®

TECHNICAL SPECIFICATIONS

Model	Sludge Pro® 4DDMK
Connection Size	4” 150# Flanged
Typical Flow Range	0-165 GPM
Solids Handling	Up to 1¼” solids
Max. Discharge Head	75 psi
Operating Speed	up to 400 RPM

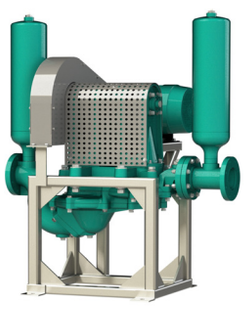
MATERIALS OF CONSTRUCTION

	Standard	Optional
Trunnions & Discs Includes multi-layer fabric reinforced internals	**Neoprene** (TPE) -10°F to 200°F	**Buna-N®** +10°F to +180°F **Viton®** -40°F to +350°F **HNBR®** +10°F to +220°F **EPDM** +10°F to +280°F
Pump Bodies & Swan Neck	Cast iron	
Clack Valve	Neoprene	Buna-N, Viton, EPDM, HNBR
Pedestal Tower	Aluminum	
Eccentric	Bronze alloy	
Pump Shaft	416 Series Stainless steel	
Connecting Rods	Aluminum	
Base Frame	Heavy Duty fabricated steel	304SS, 316 SS, Galvanized Steel,

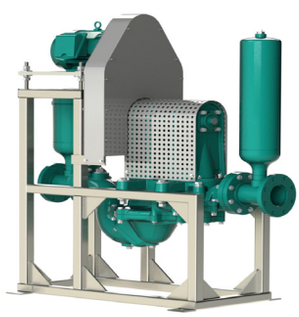
DRIVE & MOUNTING SYSTEM OPTIONS

Standard: Side mount belt driven	Electric Motor
Optional	Piggy back or direct drive rotating frame, hydraulic, engine or pneumatic

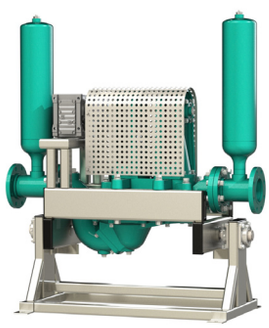
CONFIGURATION OPTIONS



Side Mount Belt Driven (Standard)



Piggy Back Configuration



Direct Drive With Rotating Frame

Sludge Pro Pumps are designed, engineered and manufactured by Wastecorp Pumps in North America.
Dimensions and weight are approximate. Wastecorp Pumps reserves the right to make changes in design, materials and operating ranges without notice.

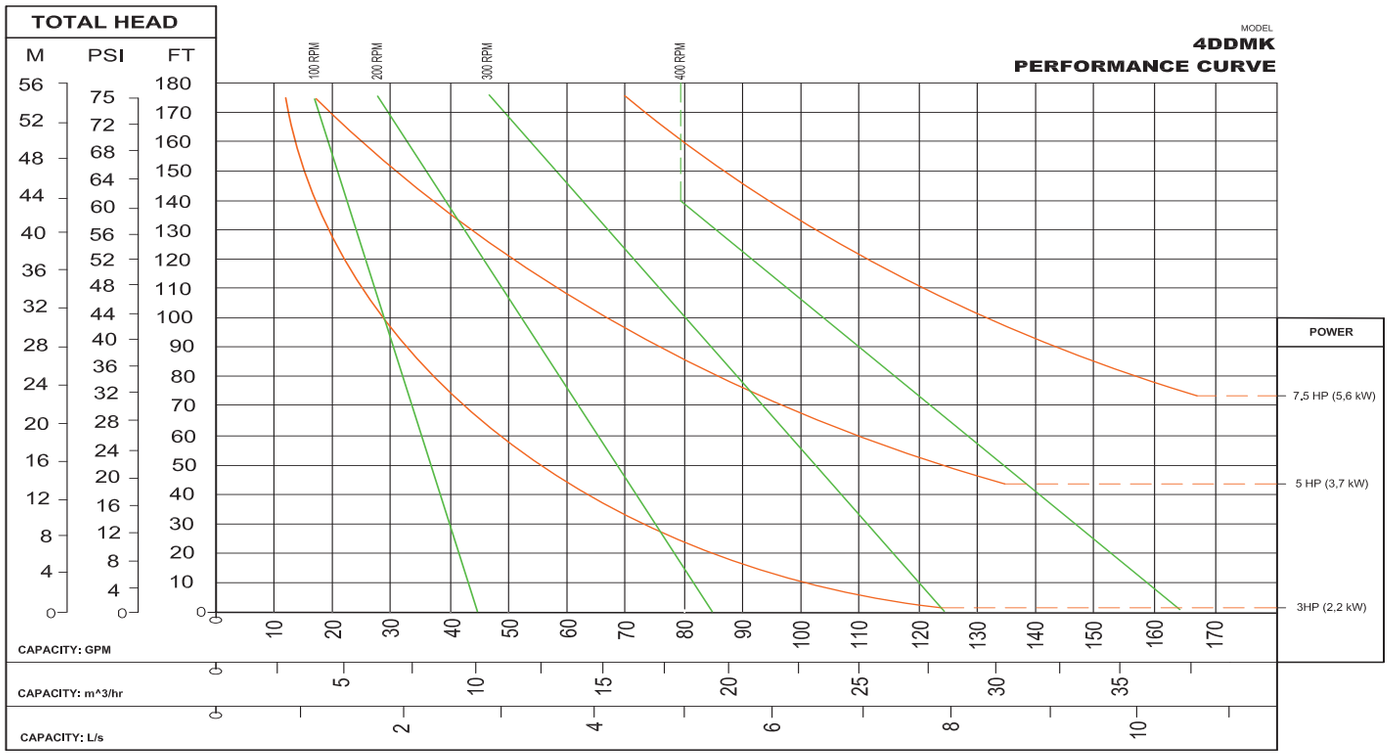
SLUDGE PRO® DOUBLE DISC PUMPS

4DDMK™ Series

DOUBLE DISC PUMPS

WASTECORP Pumps®

PUMP CURVE



SUCTION LIFTS

Dry Prime:	7' (2.2m)
Re-prime:	18' (5.5m)
Flooded Suction:	28' (8.5m)

MODEL: 4DDMK

SIZE: 4" x 4" **RPM:** VARIOUS

SP. GR.:1.0 @ 68°F **SOLID PASSAGE:** ø 1-¼"

Displacement Per Stroke: 0.315 gal/rev@60 ft/ 200 rpm

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.

Revised June-2023

www.wastecorp.com

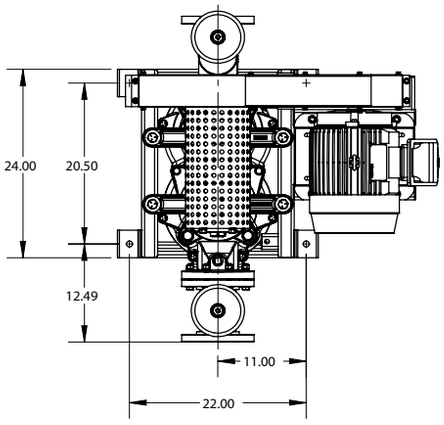
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WASTECORP.COM

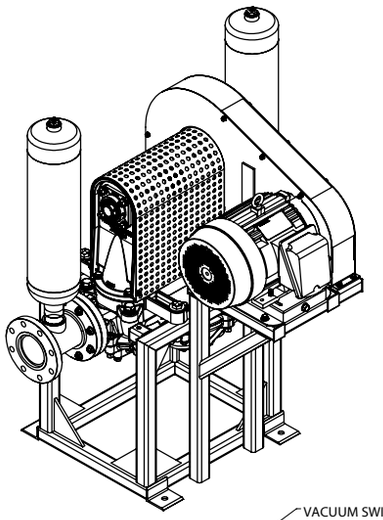
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Tel: 888.829.2783 | Fax: 888-883-3320
sales@wastecorp.com

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Tel: 416.233.3000 | Fax: 416.233.2300
info@wastecorp.com

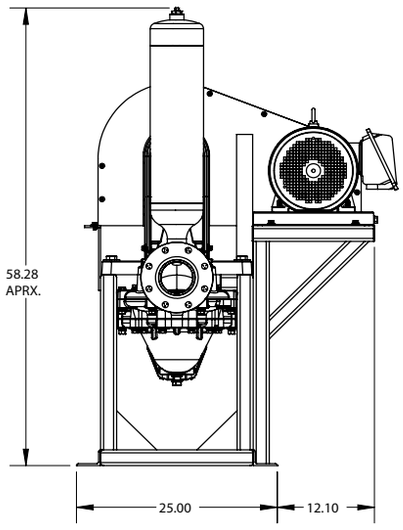
APPROXIMATE PUMP DIMENSIONS - SIDE MOUNT BELT DRIVEN (STANDARD)



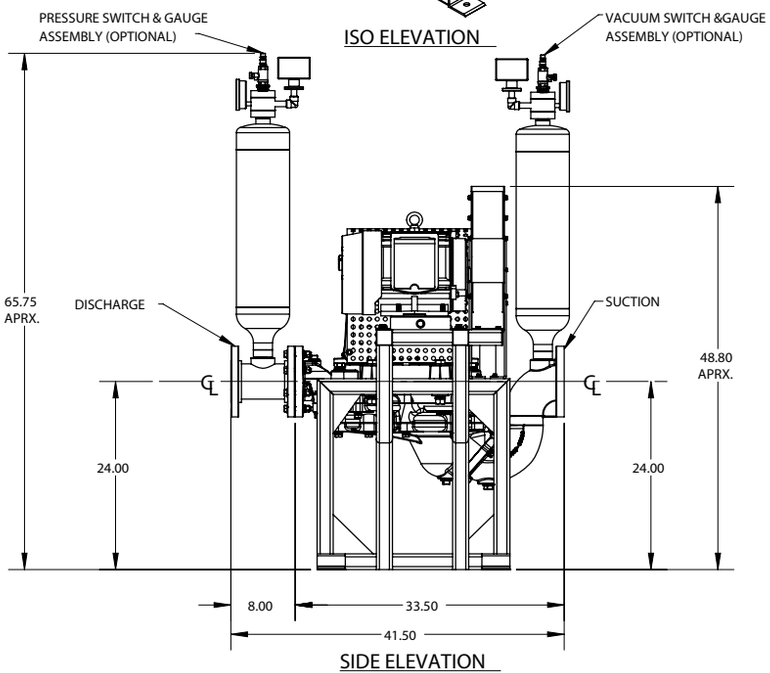
TOP PLAN



ISO ELEVATION



FRONT ELEVATION



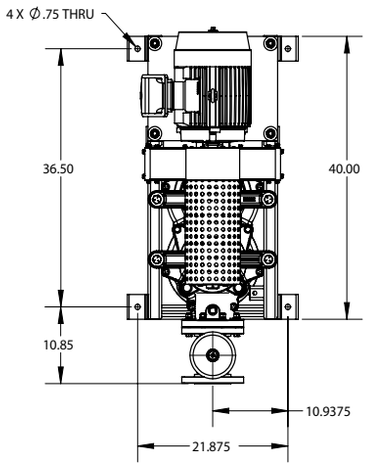
SIDE ELEVATION

Approximate Weight: 1200 lbs.

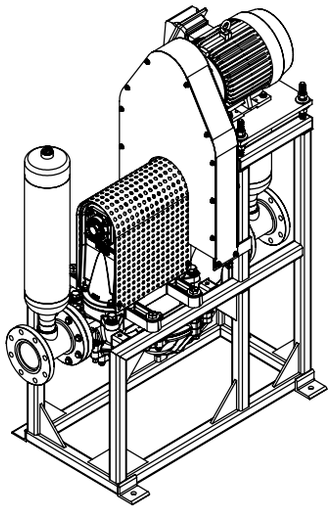
Dimensions and weight are approximate. Wastecorp Pumps reserves the right to make changes in design, materials and operating ranges without notice.

APPROXIMATE PUMP DIMENSIONS - PIGGY BACK MODEL (OPTIONAL)

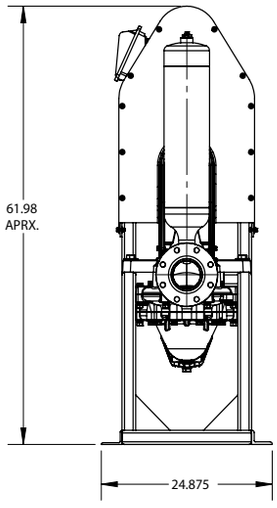
D



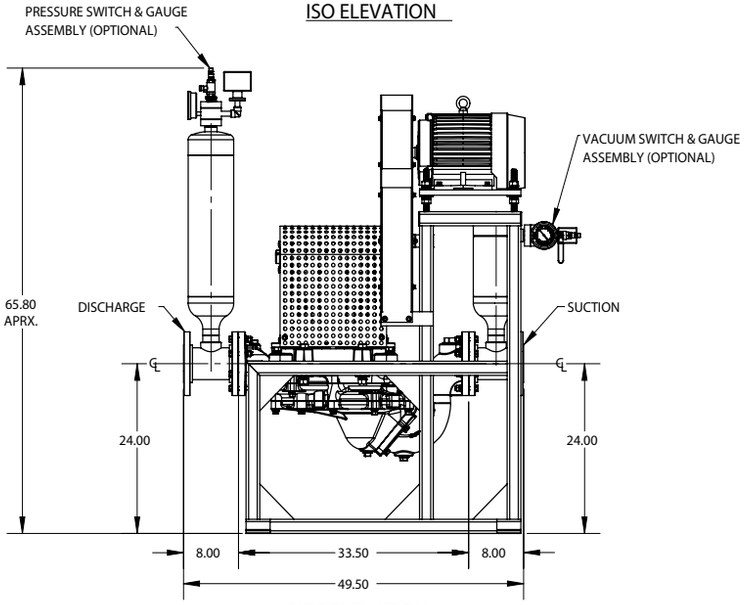
TOP PLAN



ISO ELEVATION



FRONT ELEVATION



SIDE ELEVATION

Approximate Weight: 1200 lbs.

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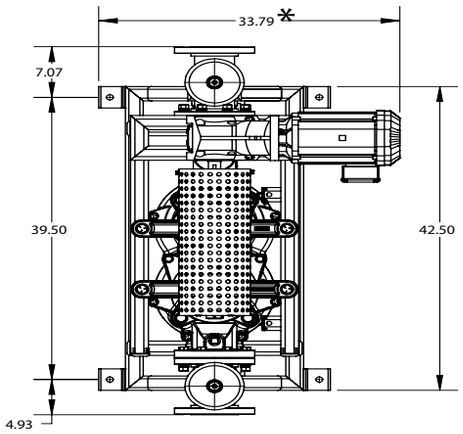
SLUDGE PRO® DOUBLE DISC PUMPS

4DDMK™ Series

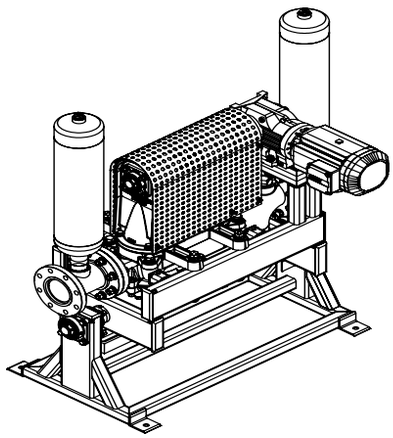
DOUBLE DISC PUMPS

WASTECORP Pumps®

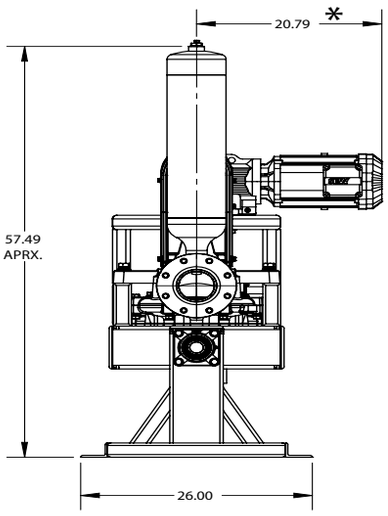
APPROXIMATE PUMP DIMENSIONS - DIRECT DRIVE WITH ROTATING FRAME (OPTIONAL)



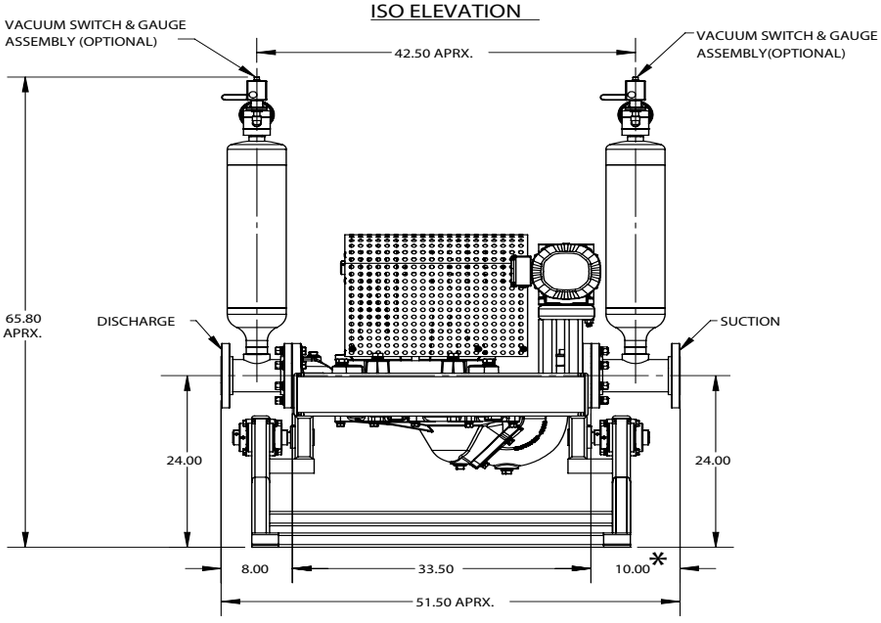
TOP PLAN



ISO ELEVATION



FRONT ELEVATION



SIDE ELEVATION

Approximate Weight: 1200 lbs.

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