WASTECORP Pumps®

2024 SLUDGE PRO® DOUBLE DISC PUMP BROCHURE
SEWAGE AND SLUDGE PUMPS

INTRODUCTION
SLUDGE PRO DOUBLE DISC PUMPS

EMPOWERING THE NEXT GENERATION OF LOW MAINTENANCE, LOW COST OF OWNERSHIP SEWAGE PUMPS

When it comes to pumping primary sewage, waste activated sludge, RAS, dewatering applications, lime slurry pumping, belt press and screw press feed applications the Sludge Pro Double Disc Pump is your winner. Your operators will appreciate the limited maintenance that is required for the toughest pumping applications.

SLUDGE PRO BENEFITS

- No regular maintenance required
- Sludge Pro double disc pumps run dry without damage
- Maintain-in-Place design with Guide Pilot®
- Seal-less, gland-less design
- No packing or mechanical seals
- Low friction design
- Low shear positive displacement performance with close tolerances
- No rubbing action, allowing pump to transfer highly abrasive slurries
- Made in North America - Build America Buy America Compliant

APPLICATIONS

- Primary Sludge Pumps
- Thickened sludge transfer
- Scum transfer pumps
- Belt filter press feed
- Screw press feed pumps
- Centrifuge feed
- Rotary press feed
- Waste activated sludge
- Food process pumps
- Industrial wastewater pumps

DOUBLE DISC PUMP FAQS FOR ENGINEERS AND OPERATORS

What are some of the differences between a Sludge Pro Double Disc Pump and other makes?

There are several important differences between double disc pump manufacturers. First, with the Sludge Pro, manufactured by Wastecorp Pumps, you have the choice between the DDMK Series which is based on induced flow and the WP Series which is based on the traditional reciprocating positive displacement pump principle. Wastecorp is proud to offer both. Call 1-888-829-2783 to arrange an in-person, Teams or Zoom presentation.

How long has Wastecorp manufactured pumps and how many installations do you have?

Wastecorp has manufactured pumps for municipal sewage pumping and industrial fluid handling for over 30 years. We represent over 20,000 installations worldwide. Wastecorp pumps are specified by consulting engineering firms all over the world and we are **ISO 9001:2015 certified and ISO 14001 certified**. Wastecorp has sludge pump installations in the world's largest, medium and smallest wastewater treatment facilities. We stand behind every pump we manufacture.

Is Wastecorp an ISO 9001 certified manufacturer of double disc pumps?

Yes.

I am about to put my double disc pump project out for bid. Where can I find specifications for Sludge Pro Double Disc Pumps so I can put in my spec?

Engineers or operators who require a double disc pump specification should contact Wastecorp engineering at 1-888-829-2783 or email info@wastecorp.com

If you compare the cost of ownership of Sludge Pro Double Disc Pumps versus rotary lobe pumps, progressive cavity pumps, plunger pumps and trash pumps who do my long term costs look like?

There are many options on the market for pumping municipal sewage, industrial sludge and food processing waste. For progressive cavity pumps and rotary lobe pumps, many manufacturers have high repair parts costs throughout the life cycle. This can amount to tens of thousands to hundreds of thousands in repair parts costs over the life cycle of the pump(s). So don't be fooled by a lower initial pump price. Plunger pumps and trash pumps are also higher. Sludge Pro double disc pumps may be much lower in cost to operate over a 15 year span.

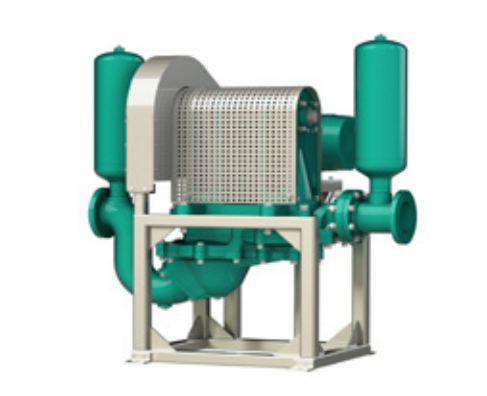
SLUDGE PRO® DOUBLE DISC PUMP - MK SERIES RANGE OVERVIEW

Wastecorp Pumps Sludge Pro MK Series is a double disc pump product line based on the induced flow principle. With an induced flow pump, the discs perform the duties of both the valve and pumping element. These pumps run at higher speeds since the displacement per stroke is less. This may result in lower pulsation.

The Sludge Pro MK Series is available in 4”, 6”, 8” and 10” connection sizes.

Sludge Pro 4DDMK™

Connection size	4”
Flow range	0-165 GPM
Solids handling	Up to 1¼”
Max. discharge head	75 psi



Sludge Pro 6DDMK™

Connection size	6”
Flow range	0-550 GPM
Solids handling	Up to 2¼”
Max. discharge head	75 psi

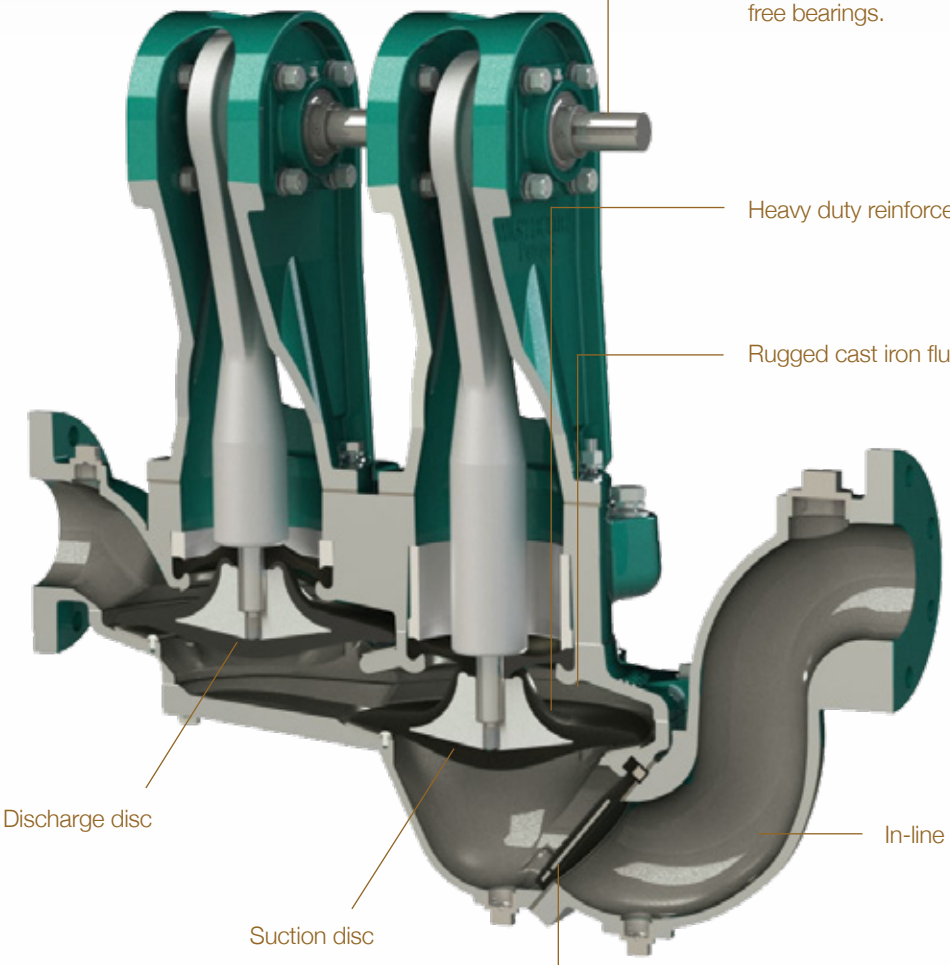
Sludge Pro 8DDMK™

Connection size	8”
Flow range	0-1100 GPM
Solids handling	Up to 2½”
Max. discharge head	75 psi

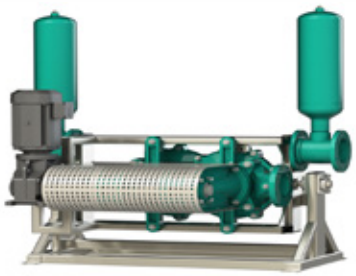
Sludge Pro 10DDMK™

Connection size	10”
Flow range	0-1650 GPM
Solids handling	Up to 2½”
Max. discharge head	75 psi

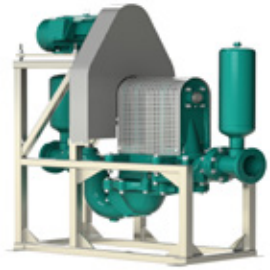
SLUDGE PRO® DOUBLE DISC PUMP - MK SERIES FEATURES



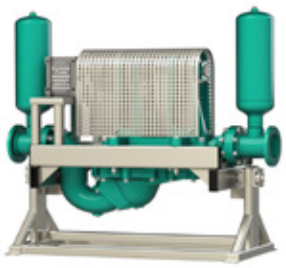
SLUDGE PRO MK SERIES OPTIONAL CONFIGURATIONS



Rotating frame for easy maintenance

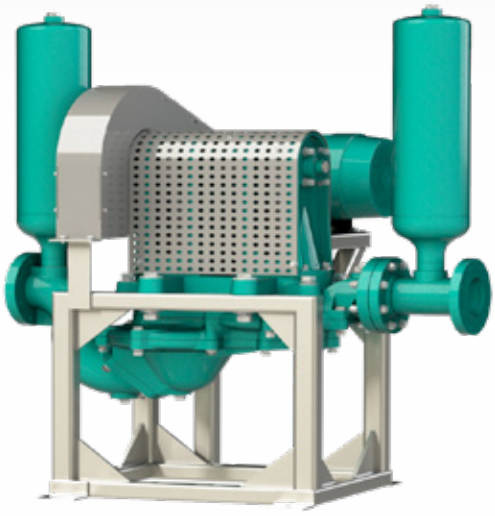


Piggy back style



Direct drive

Wastecorp Sludge Pro® 4DDMK™ Series



Standard side mount belt driven configuration shown.

TECHNICAL SPECIFICATIONS

Model	Sludge Pro® 4DDMK
Connection Size	4” 150# Flanged
Typical Flow Range	0-165 GPM
Displacement	0.315 gal/rev
Solids Handling	Up to 1¼” solids
Max. Discharge Head	75 psi
Operating Speed	Up to 400 RPM

MATERIALS OF CONSTRUCTION

	Standard	Optional
Trunnion and Discs	**Neoprene** -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 and Swan Neck	Cast iron	
Clack Valve	Neoprene	
Pedestal Tower	Aluminum	
Eccentric	Bronze alloy	
Connecting Rod	Aluminum	
Pump Shaft	416 Series statinless steel	
Base Frame	Heavy duty fabricated steel	

Sludge Pro MK Series Pumps feature Guide Pilot® maintain-in-place technology for easy maintenance.

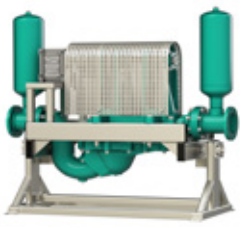
DRIVE SYSTEM & MOUNTING OPTIONS

Standard	Side mount electric motor
Optional	Piggy back or direct drive with rotating frame. Hydraulic, engine driven or pneumatic

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

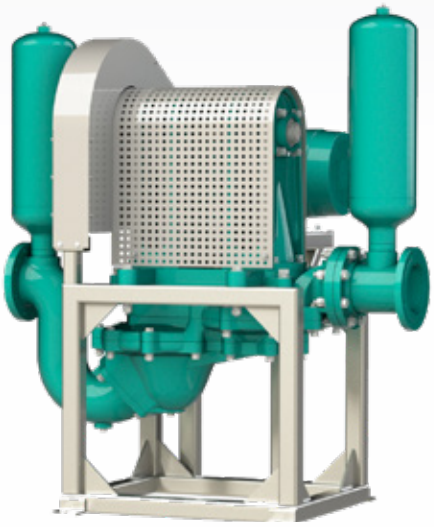
Rotating frame for easy maintenance

Piggy back style



Direct drive

Wastecorp Sludge Pro® 6DDMK™ Series



Standard side mount belt driven configuration shown.

TECHNICAL SPECIFICATIONS

Model	Sludge Pro® 6DDMK
Connection Size	6” 150# Flanged
Typical Flow Range	0-550 GPM
Displacement	1.12 gal/rev
Solids Handling	2¼” solids
Max. Discharge Head	75 psi
Operating Speed	Up to 400 RPM

MATERIALS OF CONSTRUCTION

	Standard	Optional
Trunnion and Discs	**Neoprene** -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 and Swan Neck	Cast iron	
Clack Valve	Neoprene	
Pedestal Tower	Aluminum	
Eccentric	Bronze alloy	
Connecting Rod	Aluminum	
Pump Shaft	416 Series statinless steel	
Base Frame	Heavy duty fabricated steel	

Precision engineering is part of every Sludge Pro Double Disc Pump Wastecorp ships. Expert pump technicians with years of experience build your pump.

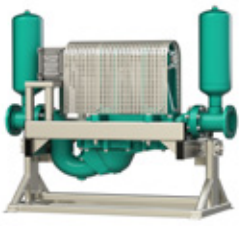
DRIVE SYSTEM & MOUNTING OPTIONS

Standard	Side mount electric motor
Optional	Piggy back or direct drive with rotating frame. Hydraulic, engine driven or pneumatic

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

Rotating frame for easy maintenance

Piggy back style



Direct drive

Wastecorp Sludge Pro® 8DDMK™ Series

TECHNICAL SPECIFICATIONS

Model	Sludge Pro® 8DDMK
Connection Size	8” 150# Flanged
Typical Flow Range	0-1100 GPM
Displacement	2.24 gal/rev
Solids Handling	Up to 2½” solids
Max. Discharge Head	75 psi
Operating Speed	Up to 400 RPM

MATERIALS OF CONSTRUCTION

	Standard	Optional
Trunnion and Discs	**Neoprene** -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 and Swan Neck	Cast iron	
Clack Valve	Neoprene	
Pedestal Tower	Aluminum	
Eccentric	Bronze alloy	
Connecting Rod	Aluminum	
Pump Shaft	416 Series statinless steel	
Base Frame	Heavy duty fabricated steel	

Designed and manufactured in North America. Sludge Pro Double Disc Pumps are Build America Buy America compliant. As America rebuilds our wastewater and water treatment infrastructure,Wastecorp wants to be the pump company more municipalities depend on.

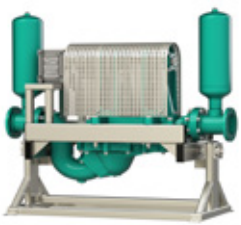
DRIVE SYSTEM & MOUNTING OPTIONS

Standard	Side mount electric motor
Optional	Piggy back or direct drive with rotating frame. Hydraulic, engine driven or pneumatic

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

Rotating frame for easy maintenance

Piggy back style



Direct drive

Wastecorp Sludge Pro® 10DDMK™ Series

TECHNICAL SPECIFICATIONS

Model	Sludge Pro® 10DDMK
Connection Size	6” 150# Flanged
Typical Flow Range	0-1650 GPM
Displacement	3.36 gal/rev
Solids Handling	Up to 2½” solids
Max. Discharge Head	75 psi
Operating Speed	Up to 400 RPM

MATERIALS OF CONSTRUCTION

	Standard	Optional
Trunnion and Discs	**Neoprene** -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 and Swan Neck	Cast iron	
Clack Valve	Neoprene	
Pedestal Tower	Aluminum	
Eccentric	Bronze alloy	
Connecting Rod	Aluminum	
Pump Shaft	416 Series statinless steel	
Base Frame	Heavy duty fabricated steel	

DRIVE SYSTEM & MOUNTING OPTIONS

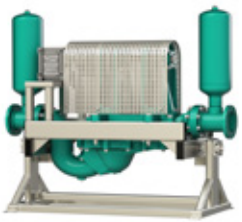
Standard	Side mount electric motor
Optional	Piggy back or direct drive with rotating frame. Hydraulic, engine driven or pneumatic

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

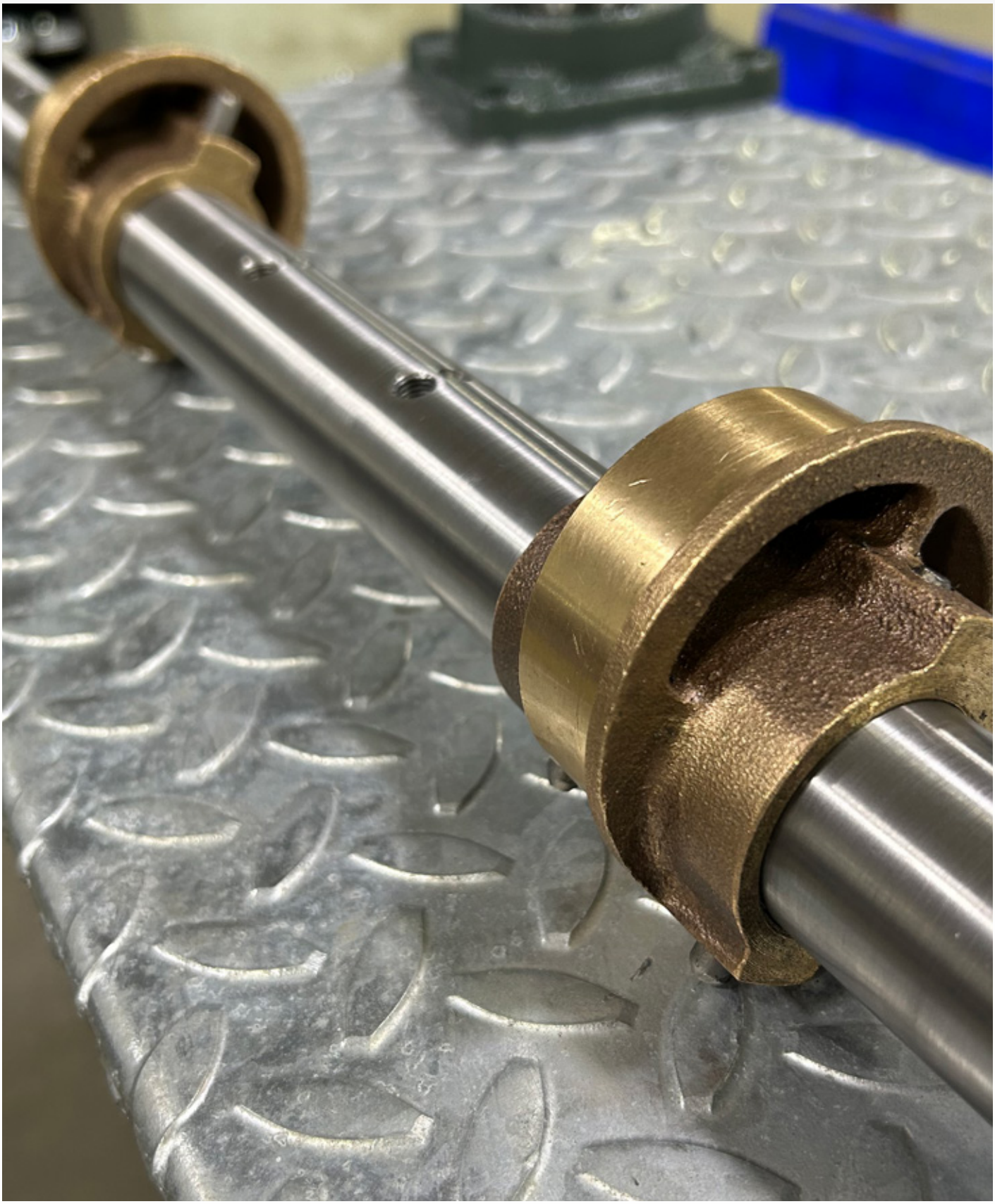
Replacing a double disc pump? Specify Wastecorp’s Sludge Pro Double Disc Pump for your new installation and enjoy limited or no piping changes.

Rotating frame for easy maintenance

Piggy back style



Direct drive



Only the finest materials of construction go into every Sludge Pro Double Disc Pump we manufacture. Unbeatable quality, performance and life cycle support is what Wastecorp is know for in pump manufacturing.

SLUDGE PRO® DOUBLE DISC PUMP - WP SERIES RANGE OVERVIEW

The Sludge Pro WP Series is a pump product line based on the traditional reciprocating positive displacement principle. The pump valve in the WP Series is independent from the pumpign element. The pump operates at lower speeds than the MK Series due to a higher displacement per stroke.

Sludge Pro 3SDWP™

Connection size	3”
Flow range	0-84 GPM
Max. suction lift	25’
Max. discharge head	184 ft (80 psi)
Displacement	0.76 gal/rev

Sludge Pro 4SDWP™

Connection size	4”
Flow range	0-127 GPM
Max. suction lift	25’
Max. discharge head	184 ft (80 psi)
Displacement	1.15 gal/rev

Sludge Pro 6SDWP™

Connection size	6”
Flow range	0-127 GPM
Max. suction lift	25’
Max. discharge head	184 ft (80 psi)
Displacement	1.15 gal/rev

Sludge Pro 3DDWP™

Connection size	3”
Flow range	0-165 GPM
Max. suction lift	25’
Max. discharge head	184 ft (80 psi)
Displacement	1.5 gal/rev

Sludge Pro 4DDWP™

Connection size	4”
Flow range	0-250 GPM
Max. suction lift	25’
Max. discharge head	184 ft (80 psi)
Displacement	2.24 gal/rev

Sludge Pro 6DDWP™

Connection size	6”
Flow range	0-250 GPM
Max. suction lift	25’
Max. discharge head	184 ft (80 psi)
Displacement	2.28 gal/rev

Sludge Pro 6TDDWP™

Connection size	6”
Flow range	0-375 GPM
Max. suction lift	25’
Max. discharge head	184 ft (80 psi)
Displacement	3.46 gal/rev

Sludge Pro 6TDDWP™

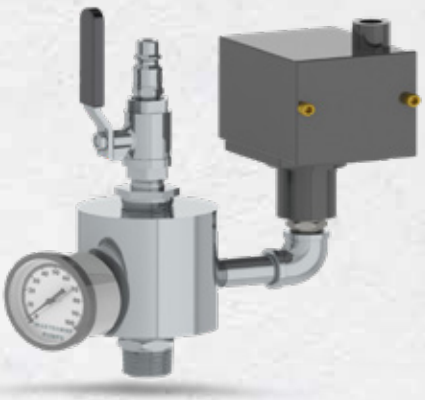
Connection size	6”
Flow range	0-502 GPM
Max. suction lift	25’
Max. discharge head	184 ft (80 psi)
Displacement	4.57 gal/rev

Sludge Pro 6TDDWP™

Connection size	3-6”
Flow range	0-250 GPM
Max. suction lift	25’
Max. discharge head	184 ft (80 psi)
Displacement	0.76 gal/rev

CUSTOMIZE YOUR DOUBLE DISC PUMP THE WAY YOU NEED IT.

PUMP PROTECTION



PRESSURE SENSOR ASSEMBLY

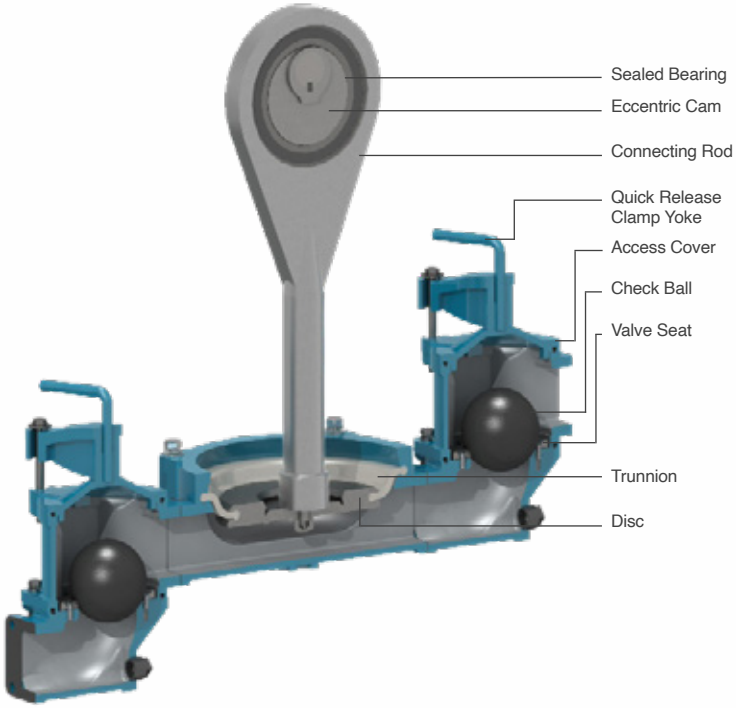
Provides optional safe protection against dead heading, closed valves or other discharge blockages that can damage the pump. Also permits direct charging of pulsation dampener and access for cleaning.

TRUNNION OPTIONS

Not all pumping applications are alike. That's why Wastecorp offers the right elastomer for your application including Neoprene, Viton, Teflon, Santoprene, Buna-N, Nordel and more.

Wastecorp Sludge Pro® 3SDWP™ Series

Cutaway



TECHNICAL SPECIFICATIONS

Model	Sludge Pro® 3SDWP
Connection Size	3" 150# Flanged
Typical Flow Range	0-84 GPM
Displacement	0.76 gal/rev
Max. Suction Lift	25'
Max. Discharge Head	184' (80 psi) (5.1 bar)
Max. Liquid Temp.	350°F (176°C)
Operating Speed	0-110 RPM

MATERIALS OF CONSTRUCTION

	Standard	Optional
Trunnion	**Neoprene** 0°F to 200°F	**Santoprene®** (TPE) -40.0°F to +225°F **Buna-N®** +10°F to +180°F **Viton®** -40°F to +350°F **Teflon®** (PTFE) +40°F to +220°F **Nordel®** -60°F to +280°F
Gaskets	BUNA-N	Neoprene, EPDM, Hypalon, HNBR, Viton, Others
Ball Valve	Urethane	Teflon®
Pedestal	Ductile iron ASTM A 536, Grade 65-45-12	
Eccentric Cam	Ductile iron ASTM A 536, Grade 65-45-12	
Connecting Rod	Ductile iron ASTM A 536, Grade 65-45-12	
Stanchion Base Frame	Fabricated Steel	
Footing Frame	Fabricated Steel	Galvanized Steel, 304 SS, 316SS
Drive Cover Guard	Fabricated Steel	Galvanized Steel, 304 SS, 316SS
Wetted Castings	Cast Iron ASTM A48 Class 35-40	Xylan Protective Coatings

DRIVE SYSTEM OPTIONS

Direct Drive	Standard/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

Material	Temperature Range	Application(s)
Xylan	-195°F to +260°F	Excellent chemical and abrasion resistance
ETFE / PTFE	-40°F to +300°F	Outstanding chemical resistance. best for corrosive slurries
Dura-S	-10°F to +200°F	Excellent abrasion resistance, FDA material and general purpose
Dura-XL	-10°F to +200°F	Excellent chemical and abrasion resistance
Nitrile	+10°F to +180°F	General purpose for oils, water and hydraulic fluids
Neoprene	-10°F to +200°F	Moderate chemical resistance. Good for fats, grease and solvents
Nordel	-60°F to +280°F	Excellent low temperature material for dilute acids
Viton	-40°F to +350°F	Excellent chemical resistance. May cause poor flex life for diaphragms
Hypalon	-10°F to +200°F	Moderate chemical resistance. Good for acids and alkalies

Wastecorp Sludge Pro® 4SDWP™ Series

TECHNICAL SPECIFICATIONS

Model	Sludge Pro® 4SDWP
Connection Size	4" 150# Flanged
Typical Flow Range	0-127 GPM
Displacement	1.15 gal/rev
Max. Suction Lift	25'
Max. Discharge Head	184' (80 psi) (5.1 bar)
Max. Liquid Temp.	350°F (176°C)
Operating Speed	0-110 RPM

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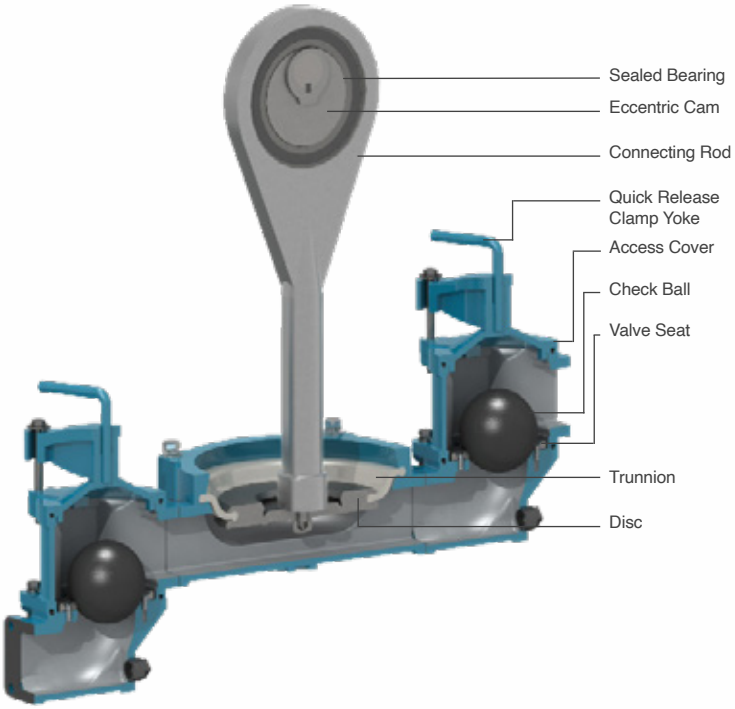


MATERIALS OF CONSTRUCTION

	Standard	Optional
Trunnion	**Neoprene** 0°F to 200°F	**Santoprene®** (TPE) -40.0°F to +225°F **Buna-N®** +10°F to +180°F **Viton®** -40°F to +350°F **Teflon®** (PTFE) +40°F to +220°F **Nordel®** -60°F to +280°F
Gaskets	BUNA-N	Neoprene, EPDM, Hypalon, HNBR, Viton, Others
Ball Valve	Urethane	Teflon®
Pedestal	Ductile iron ASTM A 536, Grade 65-45-12	
Eccentric Cam	Ductile iron ASTM A 536, Grade 65-45-12	
Connecting Rod	Ductile iron ASTM A 536, Grade 65-45-12	
Stanchion Base Frame	Fabricated Steel	
Footing Frame	Fabricated Steel	Galvanized Steel, 304 SS, 316SS
Drive Cover Guard	Fabricated Steel	Galvanized Steel, 304 SS, 316SS
Wetted Castings	Cast Iron ASTM A48 Class 35-40	Xylan Protective Coatings
Drive Shaft	2" - A4140/4142 Alloy high-tensile	400 Series SS

DRIVE SYSTEM OPTIONS

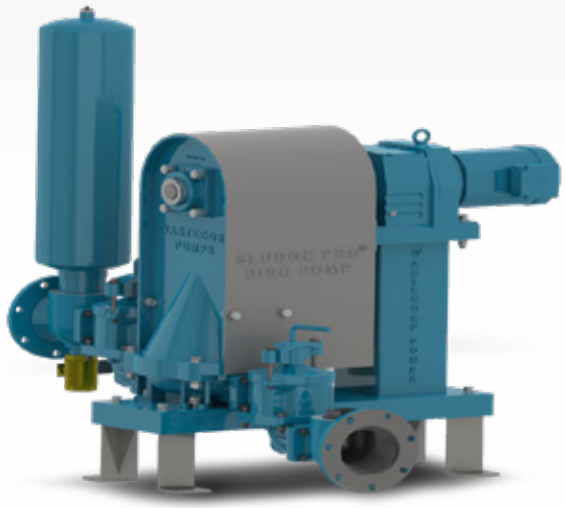
Direct Drive	Standard/Electric Motor
Optional	Air, hydraulic, belt driven
Engine Driven	Gas or diesel

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

WETTED CASTING COATING OPTIONS

Material	Temperature Range	Application(s)
Xylan	-195°F to +260°F	Excellent chemical and abrasion resistance
ETFE / PTFE	-40°F to +300°F	Outstanding chemical resistance. best for corrosive slurries
Dura-S	-10°F to +200°F	Excellent abrasion resistance, FDA material and general purpose
Dura-XL	-10°F to +200°F	Excellent chemical and abrasion resistance
Nitrile	+10°F to +180°F	General purpose for oils, water and hydraulic fluids
Neoprene	-10°F to +200°F	Moderate chemical resistance. Good for fats, grease and solvents
Nordel	-60°F to +280°F	Excellent low temperature material for dilute acids
Viton	-40°F to +350°F	Excellent chemical resistance. May cause poor flex life for diaphragms
Hypalon	-10°F to +200°F	Moderate chemical resistance. Good for acids and alkalies

Wastecorp Sludge Pro® 6SDWP™ Series



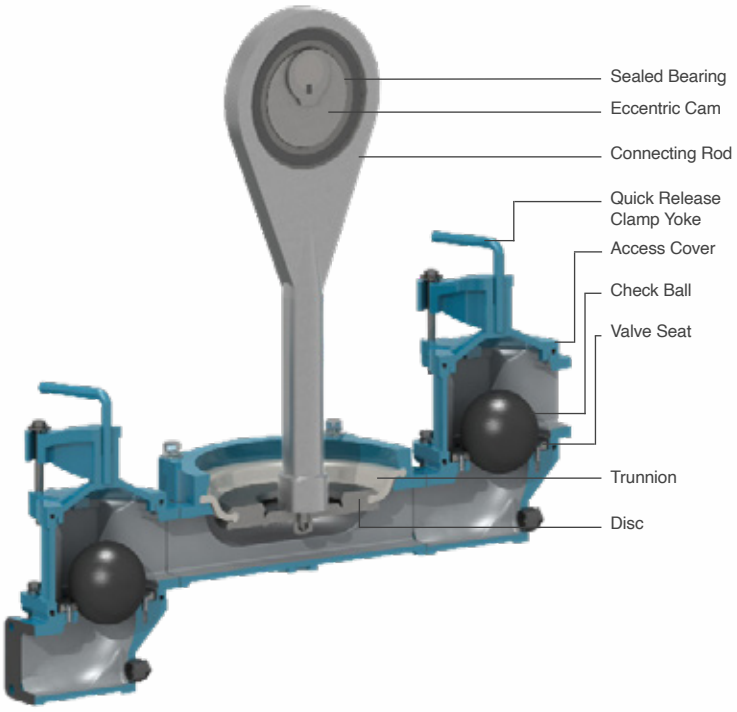
TECHNICAL SPECIFICATIONS

Model	Sludge Pro® 6SDWP
Connection Size	6” 150# Flanged
Typical Flow Range	0-127 GPM
Displacement	1.15 gal/rev
Max. Suction Lift	25’
Max. Discharge Head	184’ (80 psi) (5.1 bar)
Max. Liquid Temp.	350°F (176°C)
Operating Speed	0-110 RPM

MATERIALS OF CONSTRUCTION

	Standard	Optional
Trunnion	**Neoprene** 0°F to 200°F	**Santoprene®** (TPE) -40.0°F to +225°F **Buna-N®** +10°F to +180°F **Viton®** -40°F to +350°F **Teflon®** (PTFE) +40°F to +220°F **Nordel®** -60°F to +280°F
Gaskets	BUNA-N	Neoprene, EPDM, Hypalon, HNBR, Viton, Others
Ball Valve	Urethane	Teflon®
Pedestal	Ductile iron ASTM A 536, Grade 65-45-12	
Eccentric Cam	Ductile iron ASTM A 536, Grade 65-45-12	
Connecting Rod	Ductile iron ASTM A 536, Grade 65-45-12	
Stanchion Base Frame	Fabricated Steel	
Footing Frame	Fabricated Steel	Galvanized Steel, 304 SS, 316SS
Drive Cover Guard	Fabricated Steel	Galvanized Steel, 304 SS, 316SS
Wetted Castings	Cast Iron ASTM A48 Class 35-40	Xylan Protective Coatings
Drive Shaft	2” - A4140/4142 Alloy high-tensile	400 Series SS

Cutaway



DRIVE SYSTEM OPTIONS

Direct Drive	Standard/Electric Motor
Optional	Air, hydraulic, belt driven
Engine Driven	Gas or diesel

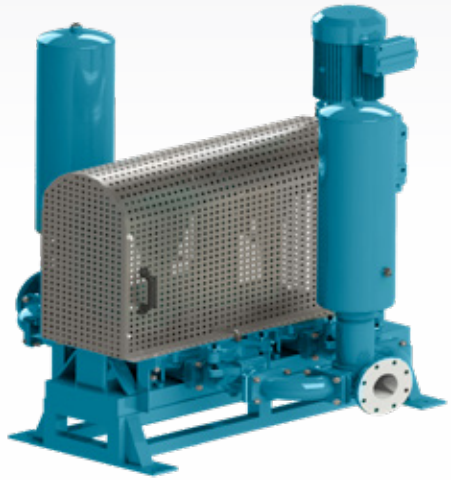
Note: Consult factory for applications exceeding maximum pressure and/or temperature indicated.

WETTED CASTING COATING OPTIONS

Material	Temperature Range	Application(s)
Xylan	-195°F to +260°F	Excellent chemical and abrasion resistance
ETFE / PTFE	-40°F to +300°F	Outstanding chemical resistance. best for corrosive slurries
Dura-S	-10°F to +200°F	Excellent abrasion resistance, FDA material and general purpose
Dura-XL	-10°F to +200°F	Excellent chemical and abrasion resistance
Nitrile	+10°F to +180°F	General purpose for oils, water and hydraulic fluids
Neoprene	-10°F to +200°F	Moderate chemical resistance. Good for fats, grease and solvents
Nordel	-60°F to +280°F	Excellent low temperature material for dilute acids
Viton	-40°F to +350°F	Excellent chemical resistance. May cause poor flex life for diaphragms
Hypalon	-10°F to +200°F	Moderate chemical resistance. Good for acids and alkalies

Sludge Pro Pumps are designed, engineered and manufactured in by Wastecorp Pumps in North America. Country/region specific models are available worldwide.

Wastecorp Sludge Pro® Double Disc Pump 3DDWP™ Series



TECHNICAL SPECIFICATIONS

Model	Sludge Pro® 3DDWP
Connection Size	3" 150# Flanged
Typical Flow Range	0-165 GPM
Displacement	1.5 gal/rev
Max. Suction Lift	25'
Max. Discharge Head	184' (80 psi) (5.1 bar)
Max. Liquid Temp.	350°F (176°C)
Operating Speed	0-110 RPM

MATERIALS OF CONSTRUCTION

	Standard	Optional
Trunnion	**Neoprene** 0°F to 200°F	**Santoprene®** (TPE) -40.0°F to +225°F **Buna-N®** +10°F to +180°F **Viton®** -40°F to +350°F **Teflon®** (PTFE) +40°F to +220°F **Nordel®** -60°F to +280°F
Gaskets	BUNA-N	Neoprene, EPDM, Hypalon, HNBR, Viton, Others
Ball Valve	Urethane	Teflon®
Pedestal	Ductile iron ASTM A 536, Grade 65-45-12	
Eccentric Cam	Ductile iron ASTM A 536, Grade 65-45-12	
Connecting Rod	Ductile iron ASTM A 536, Grade 65-45-12	
Stanchion Base Frame	Fabricated Steel	
Footing Frame	Fabricated Steel	Galvanized Steel, 304 SS, 316SS
Drive Cover Guard	Fabricated Steel	Galvanized Steel, 304 SS, 316SS
Wetted Castings	Cast Iron ASTM A48 Class 35-40	Xylan Protective Coatings
Drive Shaft	2" - A4140/4142 Alloy high-tensile	400 Series SS

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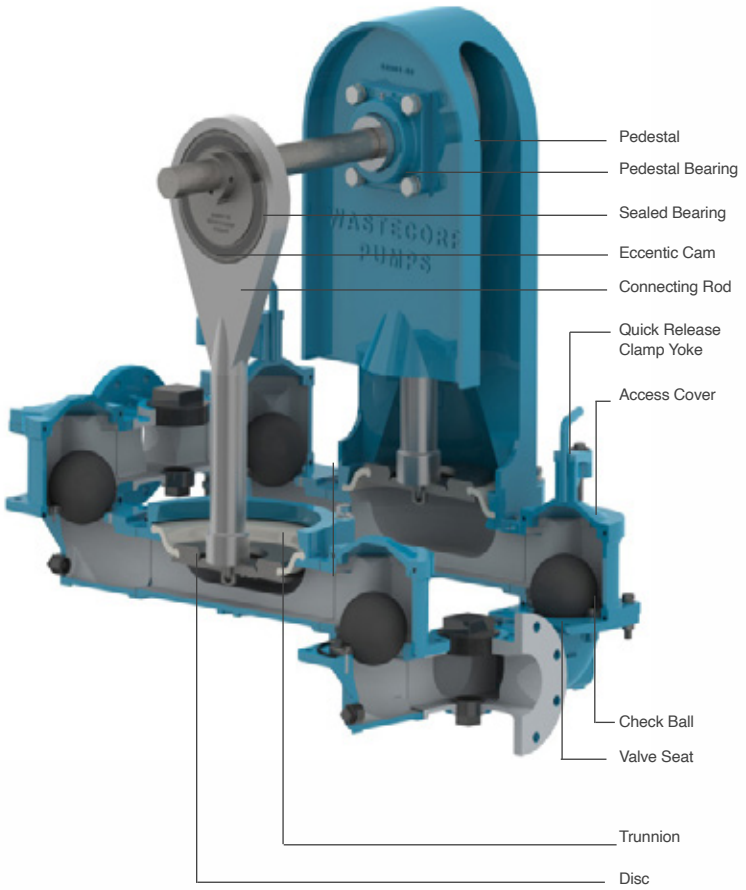


DRIVE SYSTEM OPTIONS

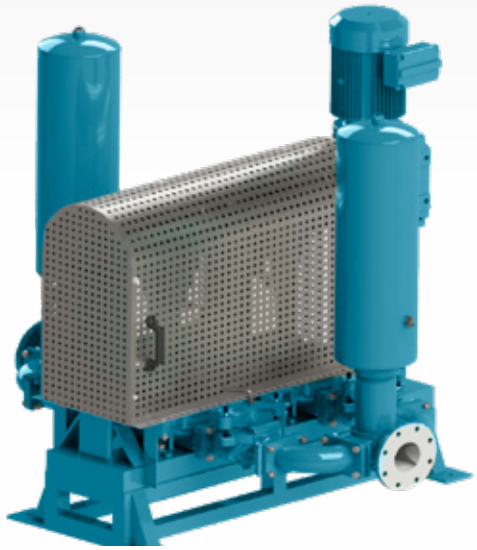
Direct Drive	Standard/Electric Motor
Optional	Air, hydraulic, belt driven
Engine Driven	Gas or diesel

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

WETTED CASTING COATING OPTIONS

Material	Temperature Range	Application(s)
Xylan	-195°F to +260°F	Excellent chemical and abrasion resistance
ETFE / PTFE	-40°F to +300°F	Outstanding chemical resistance. best for corrosive slurries
Dura-S	-10°F to +200°F	Excellent abrasion resistance, FDA material and general purpose
Dura-XL	-10°F to +200°F	Excellent chemical and abrasion resistance
Nitrile	+10°F to +180°F	General purpose for oils, water and hydraulic fluids
Neoprene	-10°F to +200°F	Moderate chemical resistance. Good for fats, grease and solvents
Nordel	-60°F to +280°F	Excellent low temperature material for dilute acids
Viton	-40°F to +350°F	Excellent chemical resistance. May cause poor flex life for diaphragms
Hypalon	-10°F to +200°F	Moderate chemical resistance. Good for acids and alkalies

Wastecorp Sludge Pro® Double Disc Pump 4DDWP™ Series



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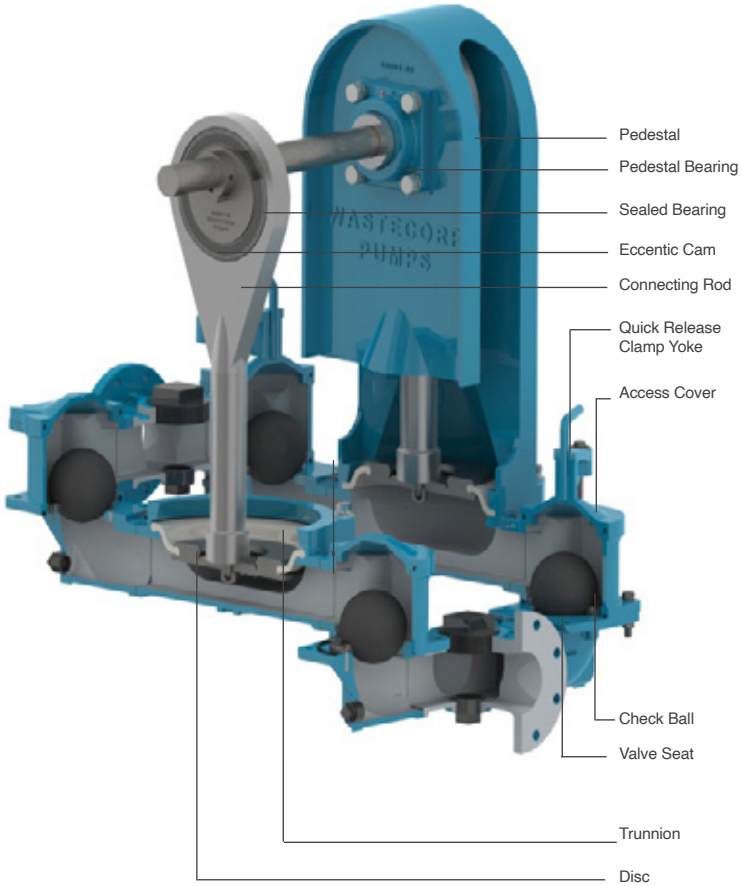


TECHNICAL SPECIFICATIONS

Model	Sludge Pro® 4DDWP
Connection Size	4" 150# Flanged
Typical Flow Range	0-250 GPM
Displacement	2.24 gal/rev
Max. Suction Lift	25'
Max. Discharge Head	184' (80 psi) (5.1 bar)
Max. Liquid Temp.	350°F (176°C)
Operating Speed	0-110 RPM

MATERIALS OF CONSTRUCTION

	Standard	Optional
Trunnion	**Neoprene** 0°F to 200°F	**Santoprene®** (TPE) -40.0°F to +225°F **Neoprene** 0°F to 200°F **Buna-N®** +10°F to +180°F **Viton®** -40°F to +350°F **Teflon®** (PTFE) +40°F to +220°F **Nordel®** -60°F to +280°F
Gaskets	BUNA-N	Neoprene, EPDM, Hypalon, HNBR, Viton, Others
Ball Valve	Urethane	Teflon®
Pedestal	Ductile iron ASTM A 536, Grade 65-45-12	
Eccentric Cam	Ductile iron ASTM A 536, Grade 65-45-12	
Connecting Rod	Ductile iron ASTM A 536, Grade 65-45-12	
Stanchion Base Frame	Fabricated Steel	
Footing Frame	Fabricated Steel	Galvanized Steel, 304 SS, 316SS
Drive Cover Guard	Fabricated Steel	Galvanized Steel, 304 SS, 316SS
Wetted Castings	Cast Iron ASTM A48 Class 35-40	Xylan Protective Coatings

DRIVE SYSTEM OPTIONS

Direct Drive	Standard/Electric Motor
Optional	Air, hydraulic, belt driven
Engine Driven	Gas or diesel

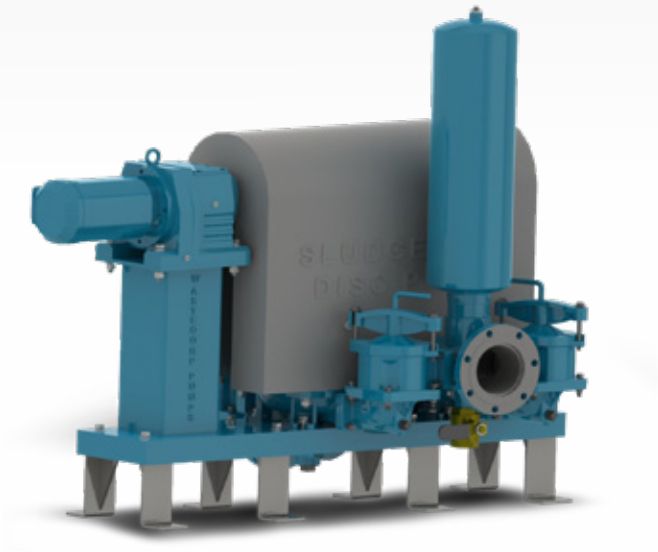
Note: Consult factory for applications exceeding maximum pressure and/or temperature indicated.

WETTED CASTING COATING OPTIONS

Material	Temperature Range	Application(s)
Xylan	-195°F to +260°F	Excellent chemical and abrasion resistance
ETFE / PTFE	-40°F to +300°F	Outstanding chemical resistance. best for corrosive slurries
Dura-S	-10°F to +200°F	Excellent abrasion resistance, FDA material and general purpose
Dura-XL	-10°F to +200°F	Excellent chemical and abrasion resistance
Nitrile	+10°F to +180°F	General purpose for oils, water and hydraulic fluids
Neoprene	-10°F to +200°F	Moderate chemical resistance. Good for fats, grease and solvents
Nordel	-60°F to +280°F	Excellent low temperature material for dilute acids
Viton	-40°F to +350°F	Excellent chemical resistance. May cause poor flex life for diaphragms
Hypalon	-10°F to +200°F	Moderate chemical resistance. Good for acids and alkalies

MOBILE SLUDGE TRANSFER PUMPS SHOWN: SLUDGE PRO 4DDWP engine driven double disc pumps. Wastecorp is the first double disc pump manufacturer to offer a mobile, maintenance friendly double disc pump product.

Wastecorp Sludge Pro® Double Disc Pump 6DDWP™ Series



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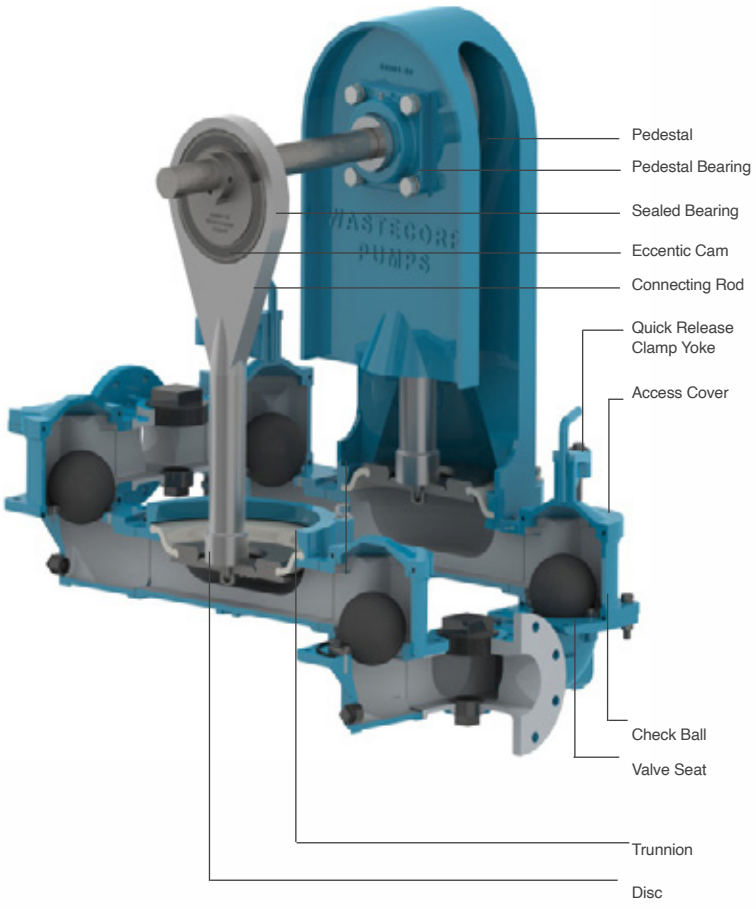


TECHNICAL SPECIFICATIONS

Model	Sludge Pro® 6DDWP
Connection Size	6" 150# Flanged
Typical Flow Range	0-250 GPM
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	0-110 RPM

MATERIALS OF CONSTRUCTION

	Standard	Optional
Trunnion	**Neoprene** 0°F to 200°F	**Santoprene®** (TPE) -40.0°F to +225°F **Buna-N®** +10°F to +180°F **Viton®** -40°F to +350°F **Teflon®** (PTFE) +40°F to +220°F **Nordel®** -60°F to +280°F
Gaskets	BUNA-N	Neoprene, EPDM, Hypalon, HNBR, Viton, Others
Ball Valve	Urethane	Teflon®
Pedestal	Ductile iron ASTM A 536, Grade 65-45-12	
Eccentric Cam	Ductile iron ASTM A 536, Grade 65-45-12	
Connecting Rod	Ductile iron ASTM A 536, Grade 65-45-12	
Stanchion Base Frame	Fabricated Steel	
Footing Frame	Fabricated Steel	Galvanized Steel, 304 SS, 316SS
Drive Cover Guard	Fabricated Steel	Galvanized Steel, 304 SS, 316SS
Wetted Castings	Cast Iron ASTM A48 Class 35-40	Xylan Protective Coatings
Drive Shaft	2" - A4140/4142 Alloy high-tensile	400 Series SS

DRIVE SYSTEM OPTIONS

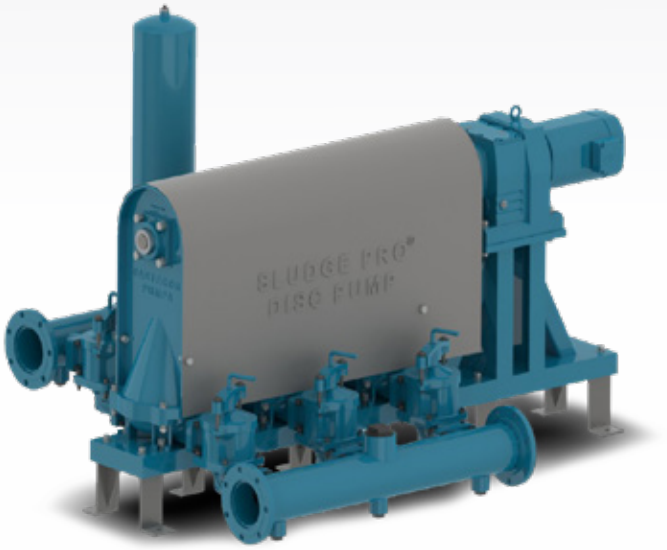
Direct Drive	Standard/Electric Motor
Optional	Air, hydraulic, belt driven
Engine Driven	Gas or diesel

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

WETTED CASTING COATING OPTIONS

Material	Temperature Range	Application(s)
Xylan	-195°F to +260°F	Excellent chemical and abrasion resistance
ETFE / PTFE	-40°F to +300°F	Outstanding chemical resistance. best for corrosive slurries
Dura-S	-10°F to +200°F	Excellent abrasion resistance, FDA material and general purpose
Dura-XL	-10°F to +200°F	Excellent chemical and abrasion resistance
Nitrile	+10°F to +180°F	General purpose for oils, water and hydraulic fluids
Neoprene	-10°F to +200°F	Moderate chemical resistance. Good for fats, grease and solvents
Nordel	-60°F to +280°F	Excellent low temperature material for dilute acids
Viton	-40°F to +350°F	Excellent chemical resistance. May cause poor flex life for diaphragms
Hypalon	-10°F to +200°F	Moderate chemical resistance. Good for acids and alkalies

Wastecorp Sludge Pro® 6TDWP™ Series



TECHNICAL SPECIFICATIONS

Model	Sludge Pro® 6TDWP
Connection Size	6” 150# Flanged
Typical Flow Range	0-375 GPM
Displacement	3.46 gal/rev
Max. Suction Lift	25’
Max. Discharge Head	184’ (80 psi) (5.1 bar)
Max. Liquid Temp.	350°F (176°C)
Operating Speed	0-110 RPM

MATERIALS OF CONSTRUCTION

	Standard	Optional
Trunnion	**Neoprene** 0°F to 200°F	**Santoprene®** (TPE) -40.0°F to +225°F **Buna-N®** +10°F to +180°F **Viton®** -40°F to +350°F **Teflon®** (PTFE) +40°F to +220°F **Nordel®** -60°F to +280°F
Gaskets	BUNA-N	Neoprene, EPDM, Hypalon, HNBR, Viton, Others
Ball Valve	Urethane	Teflon®
Pedestal	Ductile iron ASTM A 536, Grade 65-45-12	
Eccentric Cam	Ductile iron ASTM A 536, Grade 65-45-12	
Connecting Rod	Ductile iron ASTM A 536, Grade 65-45-12	
Stanchion Base Frame	Fabricated Steel	
Footing Frame	Fabricated Steel	Galvanized Steel, 304 SS, 316SS
Drive Cover Guard	Fabricated Steel	Galvanized Steel, 304 SS, 316SS
Wetted Castings	Cast Iron ASTM A48 Class 35-40	Xylan Protective Coatings
Drive Shaft	2” - A4140/4142 Alloy high-tensile	400 Series SS

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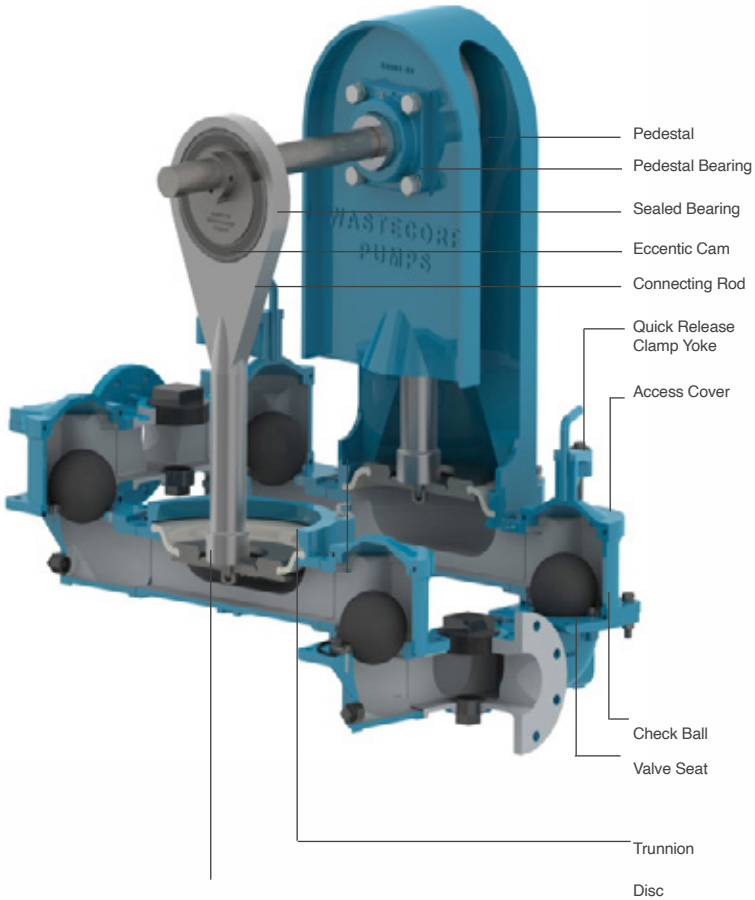


DRIVE SYSTEM OPTIONS

Direct Drive	Standard/Electric Motor
Optional	Air, hydraulic, belt driven
Engine Driven	Gas or diesel

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

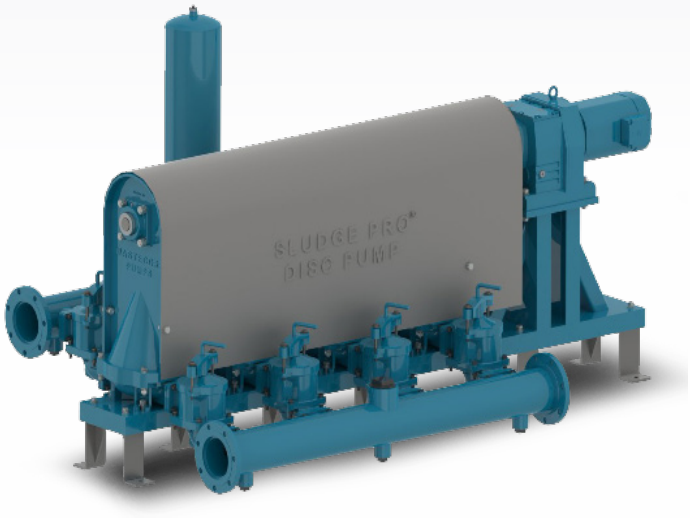
WETTED CASTING COATING OPTIONS

Material	Temperature Range	Application(s)
Xylan	-195°F to +260°F	Excellent chemical and abrasion resistance
ETFE / PTFE	-40°F to +300°F	Outstanding chemical resistance. best for corrosive slurries
Dura-S	-10°F to +200°F	Excellent abrasion resistance, FDA material and general purpose
Dura-XL	-10°F to +200°F	Excellent chemical and abrasion resistance
Nitrile	+10°F to +180°F	General purpose for oils, water and hydraulic fluids
Neoprene	-10°F to +200°F	Moderate chemical resistance. Good for fats, grease and solvents
Nordel	-60°F to +280°F	Excellent low temperature material for dilute acids
Viton	-40°F to +350°F	Excellent chemical resistance. May cause poor flex life for diaphragms
Hypalon	-10°F to +200°F	Moderate chemical resistance. Good for acids and alkalies

Sludge Pro Pumps are designed, engineered and manufactured in by Wastecorp Pumps in North America. Country/region specific models are available worldwide.

Dimensions and weight are approximate. Flow rate tests based on water. Wastecorp Pumps reserves the right to make changes in design, materials and operating ranges without notice.

Wastecorp Sludge Pro® 6QDWP™ Series



TECHNICAL SPECIFICATIONS

Model	Sludge Pro® 6QDWP
Connection Size	6” 150# Flanged
Typical Flow Range	0-502 GPM
Displacement	4.57 gal/rev
Max. Suction Lift	25’
Max. Discharge Head	184’ (80 psi) (5.1 bar)
Max. Liquid Temp.	350°F (176°C)
Operating Speed	0-110 RPM

MATERIALS OF CONSTRUCTION

	Standard	Optional
Trunnion	**Neoprene** 0°F to 200°F	**Santoprene®** (TPE) -40.0°F to +225°F **Buna-N®** +10°F to +180°F **Viton®** -40°F to +350°F **Teflon®** (PTFE) +40°F to +220°F **Nordel®** -60°F to +280°F
Gaskets	BUNA-N	Neoprene, EPDM, Hypalon, HNBR, Viton, Others
Ball Valve	Urethane	Teflon®
Pedestal	Ductile iron ASTM A 536, Grade 65-45-12	
Eccentric Cam	Ductile iron ASTM A 536, Grade 65-45-12	
Connecting Rod	Ductile iron ASTM A 536, Grade 65-45-12	
Stanchion Base Frame	Fabricated Steel	
Footing Frame	Fabricated Steel	Galvanized Steel, 304 SS, 316SS
Drive Cover Guard	Fabricated Steel	Galvanized Steel, 304 SS, 316SS
Wetted Castings	Cast Iron ASTM A48 Class 35-40	Xylan Protective Coatings
Drive Shaft	2” - A4140/4142 Alloy high-tensile	400 Series SS

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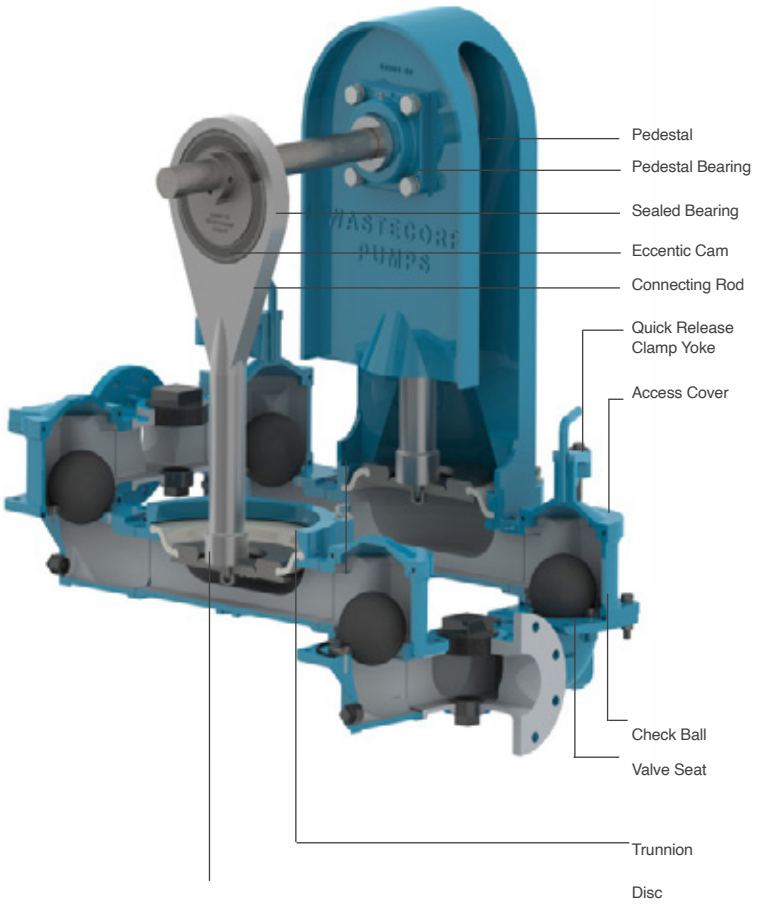


DRIVE SYSTEM OPTIONS

Direct Drive	Standard/Electric Motor
Optional	Air, hydraulic, belt driven
Engine Driven	Gas or diesel

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

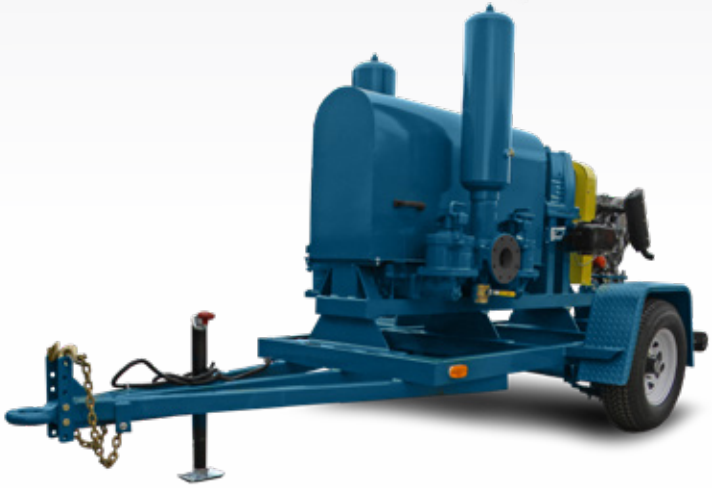
WETTED CASTING COATING OPTIONS

Material	Temperature Range	Application(s)
Xylan	-195°F to +260°F	Excellent chemical and abrasion resistance
ETFE / PTFE	-40°F to +300°F	Outstanding chemical resistance. best for corrosive slurries
Dura-S	-10°F to +200°F	Excellent abrasion resistance, FDA material and general purpose
Dura-XL	-10°F to +200°F	Excellent chemical and abrasion resistance
Nitrile	+10°F to +180°F	General purpose for oils, water and hydraulic fluids
Neoprene	-10°F to +200°F	Moderate chemical resistance. Good for fats, grease and solvents
Nordel	-60°F to +280°F	Excellent low temperature material for dilute acids
Viton	-40°F to +350°F	Excellent chemical resistance. May cause poor flex life for diaphragms
Hypalon	-10°F to +200°F	Moderate chemical resistance. Good for acids and alkalies

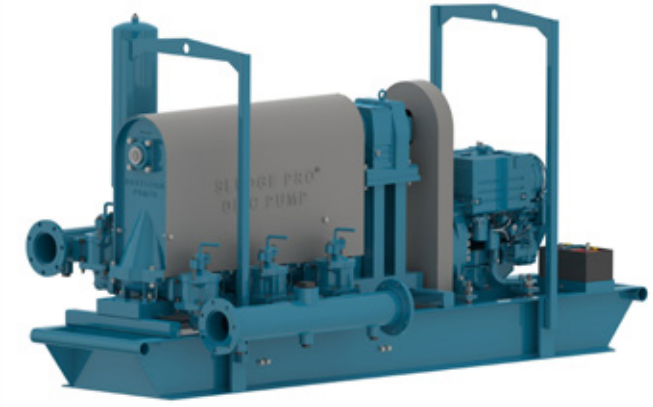
Sludge Pro Pumps are designed, engineered and manufactured in by Wastecorp Pumps in North America. Country/region specific models are available worldwide.

Dimensions and weight are approximate. Flow rate tests based on water. Wastecorp Pumps reserves the right to make changes in design, materials and operating ranges without notice.

Sludge Pro® Engine Driven Double Disc Pumps



Built with heavy duty diesel engines, Wastecorp's engine driven double disc pumps provides an industry first: a double disc pump that you can take anywhere. All of the double disc pump models you see in this brochure can be configured for mobile use, including skid mounted models.



Skid mounted double disc pump

Double disc pump with diesel engine (simplex model)

TECHNICAL SPECIFICATIONS

Model	Sludge Pro® Engine Driven
Connection Size	3", 4" or 6"
Typical Flow Range	0-250 GPM
Displacement	0.76 gal/rev
Max. Suction Lift	25'
Max. Discharge Head	184' (80 psi) (5.1 bar)
Max. Liquid Temp.	350°F (176°C)
Operating Speed	0-110 RPM

MATERIALS OF CONSTRUCTION

	Standard	Optional
Trunnion	**Neoprene** 0°F to 200°F	**Santoprene®** (TPE) -40.0°F to +225°F **Buna-N®** +10°F to +180°F **Viton®** -40°F to +350°F **Teflon®** (PTFE) +40°F to +220°F **Nordel®** -60°F to +280°F
Gaskets	BUNA-N	Neoprene, EPDM, Hypalon, HNBR, Viton, Others
Ball Valve	Urethane	Teflon®
Pedestal	Ductile iron ASTM A 536, Grade 65-45-12	
Eccentric Cam	Ductile iron ASTM A 536, Grade 65-45-12	
Connecting Rod	Ductile iron ASTM A 536, Grade 65-45-12	
Stanchion Base Frame	Fabricated Steel	
Footing Frame	Fabricated Steel	Galvanized Steel 304 SS, 316SS
Drive Cover Guard	Fabricated Steel	Galvanized Steel 304 SS, 316SS
Wetted Castings	Cast Iron ASTM A48 Class 35-40	Xylan Protective Coatings

DRIVE SYSTEM OPTIONS

Direct Drive	Standard/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

Material	Temperature Range	Application(s)
Xylan	-195°F to +260°F	Excellent chemical and abrasion resistance
ETFE / PTFE	-40°F to +300°F	Outstanding chemical resistance. best for corrosive slurries
Dura-S	-10°F to +200°F	Excellent abrasion resistance, FDA material and general purpose
Dura-XL	-10°F to +200°F	Excellent chemical and abrasion resistance
Nitrile	+10°F to +180°F	General purpose for oils, water and hydraulic fluids
Neoprene	-10°F to +200°F	Moderate chemical resistance. Good for fats, grease and solvents
Nordel	-60°F to +280°F	Excellent low temperature material for dilute acids
Viton	-40°F to +350°F	Excellent chemical resistance. May cause poor flex life for diaphragms
Hypalon	-10°F to +200°F	Moderate chemical resistance. Good for acids and alkalies

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Internet: www.wastecorp.com

DOUBLE DISC PUMPS FOR THE NEXT GENERATION.

Sludge Pro® double disc pumps are designed for a wide range of slurry and sludge process applications for municipal sewage pumping, industrial, chemical and food process industries. These durable leak-free pumps are self priming and can run dry without damage for uncompromising pumping reliability. Select from standard direct drive, belt driven, air, hydraulic and engine drive systems. Wastecorp is the only double disc pump manufacturer to offer either check ball or clack valve configurations.

WASTECORP Pumps®

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NYC/West85 Djs 01/24 V1. Litho in the United States of America.
For a complete engineering specification contact Wastecorp Pumps at 1.888.829.2783 or by E-mail: info@wastecorp.com.

Also on the web at http://www.wastecorp.com