WASTECORP.
Pumps®

2022 SLUDGE PRO® DOUBLE DISC PUMP BROCHURE
SEWAGE AND SLUDGE PUMPS

DOUBLE DISC PUMP FAQS FOR ENGINEERS AND OPERATORS

Scan the QR code with your smart phone to see double disc pump comparisons

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, any maintenance that is done is within view of the operator. **You do not have to crawl underneath a heavy pump like you do with other double disc pumps**. Second, Sludge Pro pumps operate at RPM speeds below 120 RPM. This may reduce component wear over time. Third, with Sludge Pro double disc pumps you do not have to remove piping or disassemble the pump to service the disc or trunnion.

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 since 1993. 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 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 10-15 year span.

SLUDGE PRO® DOUBLE DISC PUMP - RANGE OVERVIEW

MEDIUM DUTY - SINGLE DISC

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™

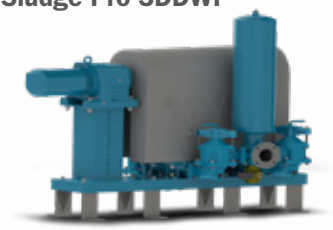
Connection size	4”
Flow range	0-127 GPM
Max. suction lift	25’
Max. discharge head	184 ft (80 psi)
Displacement	1.15 gal/rev

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

HEAVY DUTY - DOUBLE DISC

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

SEVERE DUTY

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™

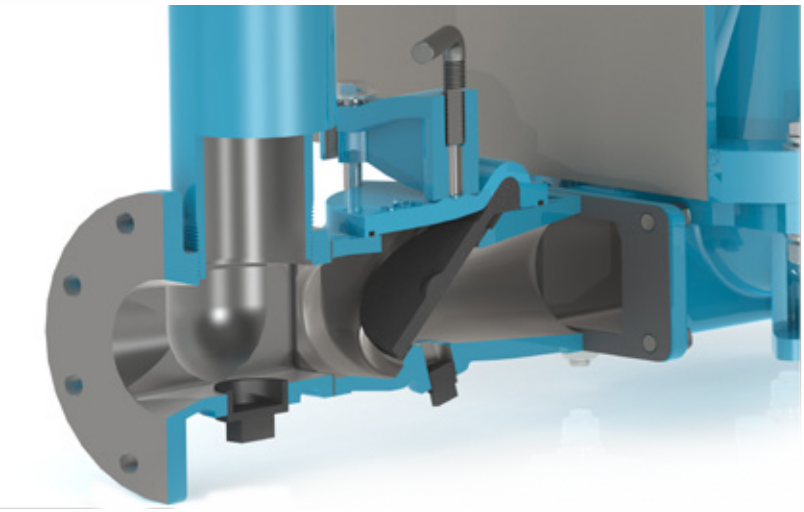
Connection size	3-6”
Flow range	0-250 GPM
Max. suction lift	25’
Max. discharge head	184 ft (80 psi)
Displacement	0.76 gal/rev

Values based on factory tests using water (Sp.Gr.1.0)


PRIMARY SCUM

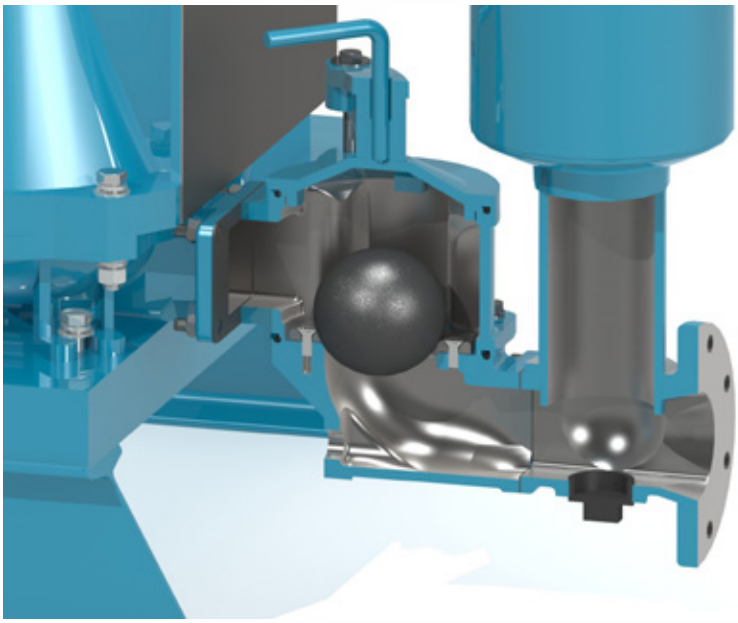
THE ONLY DOUBLE DISC PUMP MANUFACTURER THAT OFFERS EITHER A CLACK VALVE OR BALL VALVE

CLACK VALVE



The clack can be accessed quickly by removing the valve cover. No other double disc pump clack can be accessed this quickly.

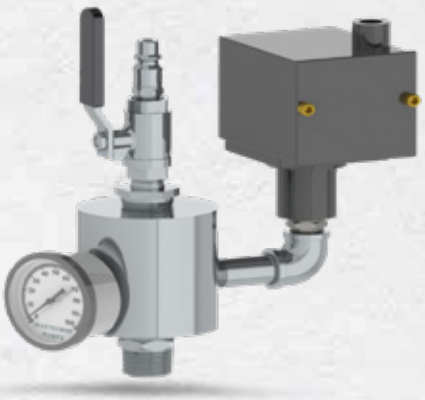
BALL VALVE



Heavier slurry or sludge at your facility? A ball valve model may help move sewage and sludge more efficiently. Be sure to specify your choice of either ball valve or clack valve at the time of order.

CUSTOMIZE YOUR DOUBLE DISC PUMP THE WAY YOU NEED IT.

PUMP PROTECTION

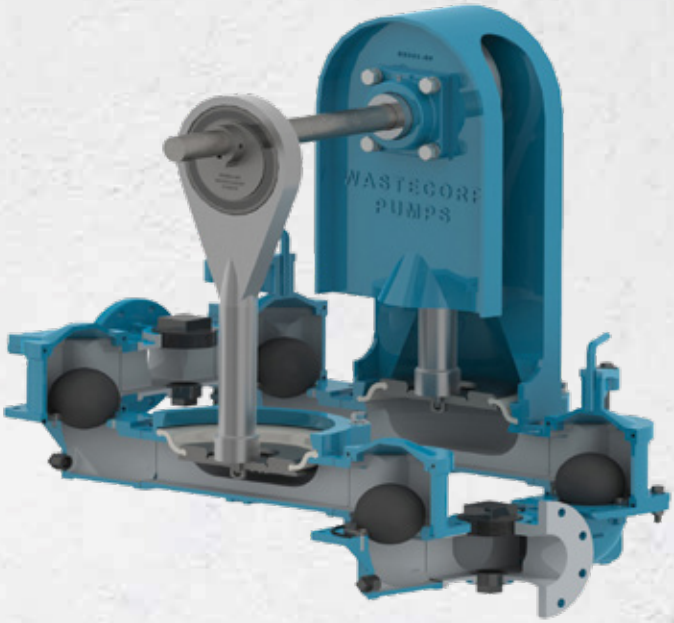


PRESSURE SENSOR ASSEMBLY

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.



SINGLE DISC PUMPS

Not every application requires a pump with double discs. In many cases a single disc pump will pump the capacity required efficiently.

Other disc pump manufacturers do not suggest a single disc pump model because many do not offer one. The greatest advantage of Sludge Pro single disc pumps is that we offer a check valve design which improves slurry handling performance. Sludge Pro single disc pumps can pump up to 150 GPM with discharge head to 184’ or 80 psi.

DOUBLE DISC PUMPS

Wastecorp offers over six duplex disc pump models that are designed for a wide range of slurry and sludge pumping applications including municipal, industrial, chemical and food processing industries.

These durable leak-free pumps are self priming and can run dry without damage for uncompromising pumping reliability. Unlike traditional disc pump a cast iron pump body instead of less durable aluminum. Pump up to 300 GPM with 3”, 4” or 6” connections.

Wastecorp Sludge Pro® 3SDWP™ Series

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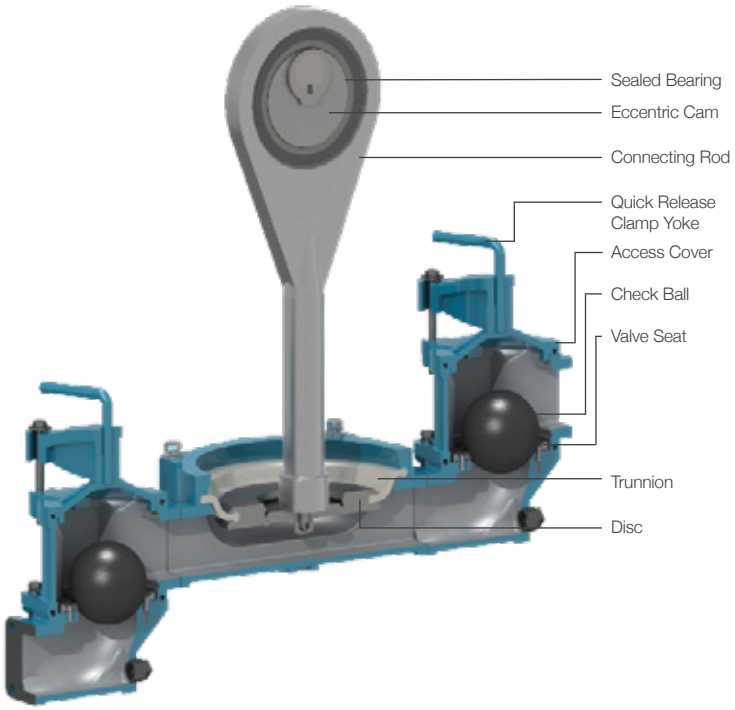

TECHNICAL SPECIFICATIONS

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

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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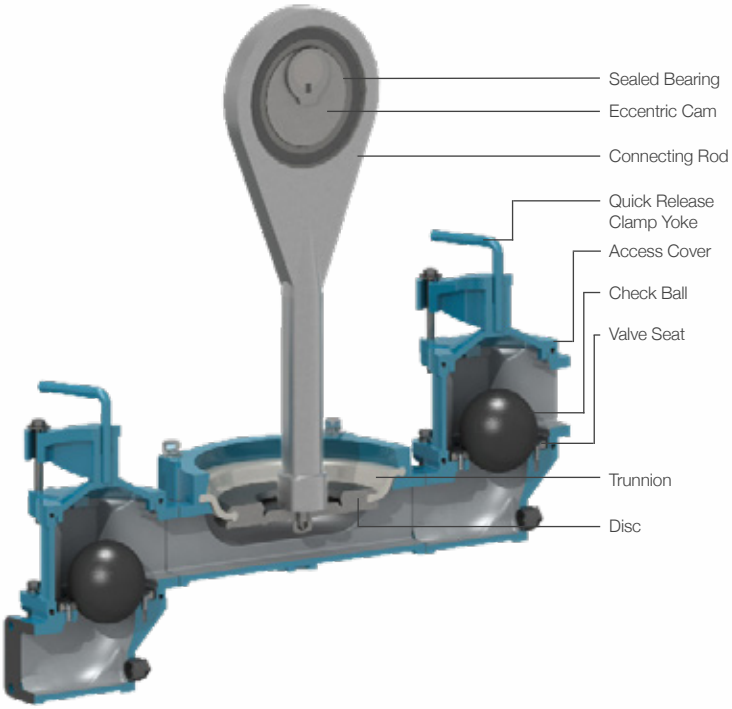


DRIVE SYSTEM OPTIONS

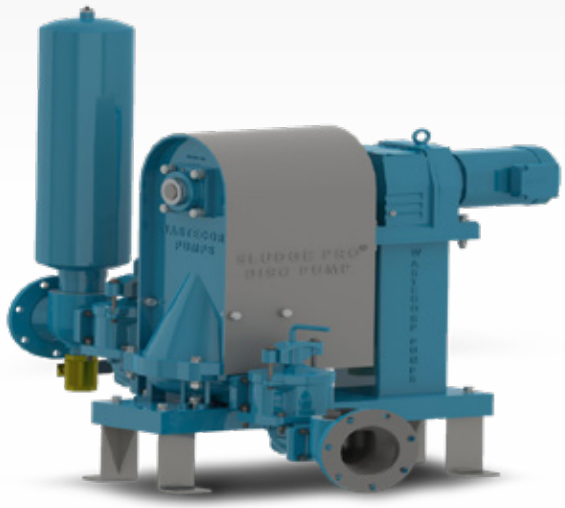
Direct Drive	Standard/Electric Motor
Optional	Air, hydraulic, belt driven
Engine Driven	Gas or diesel

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® 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

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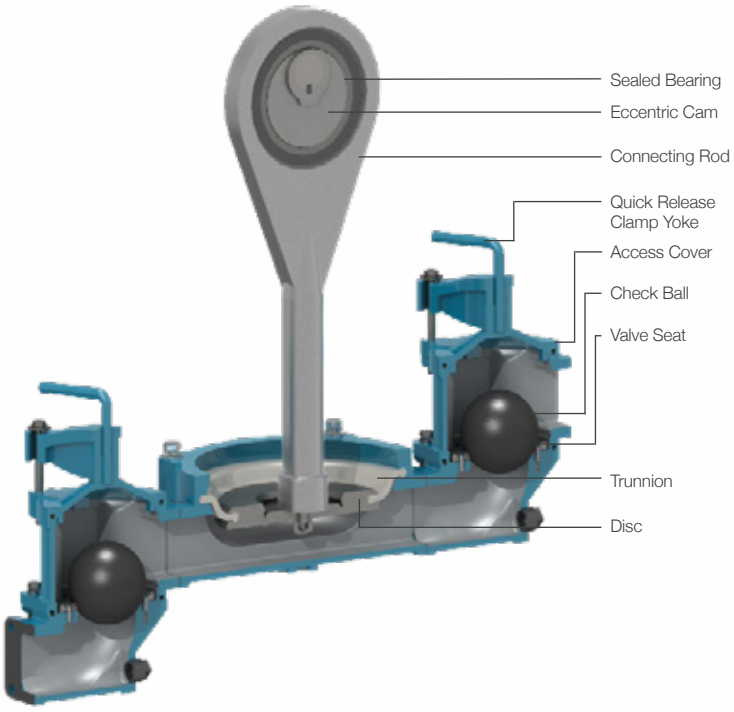


DRIVE SYSTEM OPTIONS

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

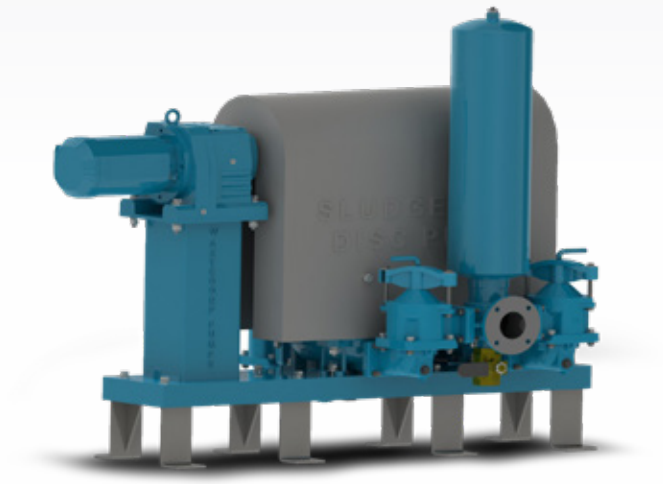
Note: Consult factory for applications exceeding maximum pressure and/or temperature indicated.

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.

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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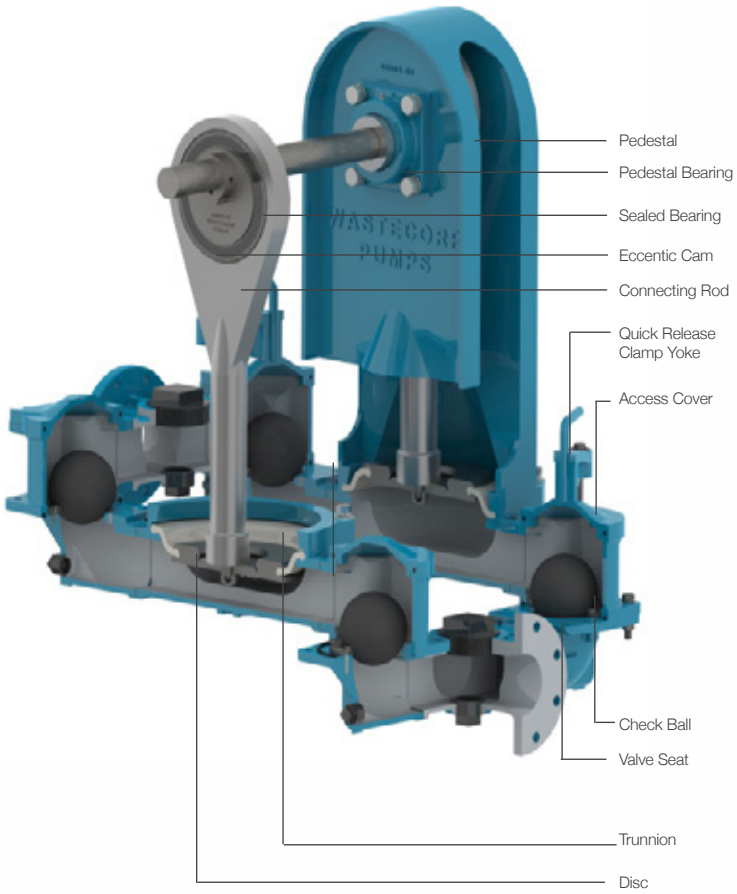

DRIVE SYSTEM OPTIONS

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)
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Nitrile	+10°F to +180°F	General purpose for oils, water and hydraulic fluids
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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
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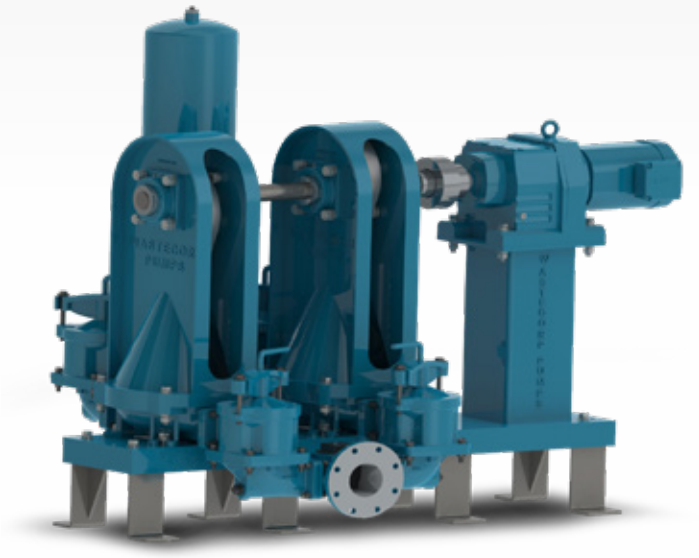
Wastecorp Sludge Pro® Double Disc Pump 4DDWP™ Series



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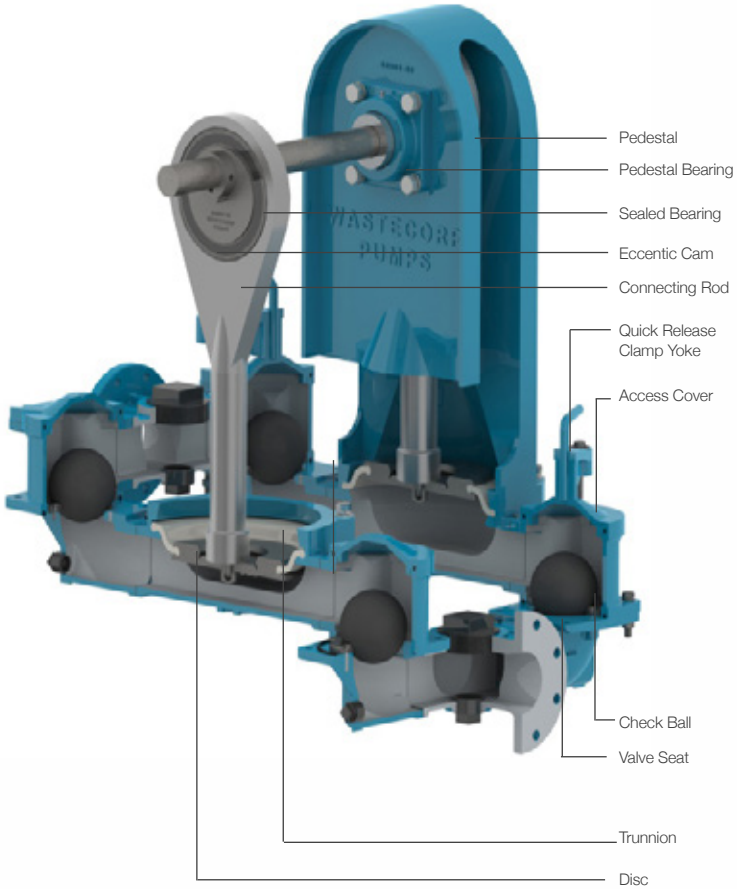

TECHNICAL SPECIFICATIONS

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)
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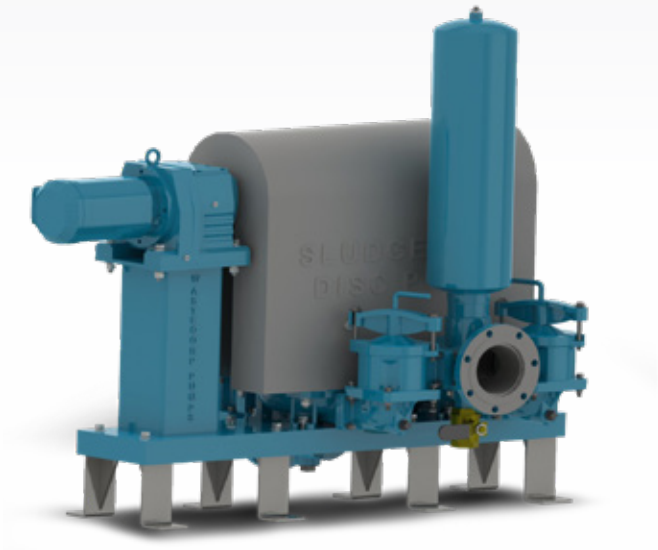
Hypalon	-10°F to +200°F	Moderate chemical resistance. Good for acids and alkalies

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



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

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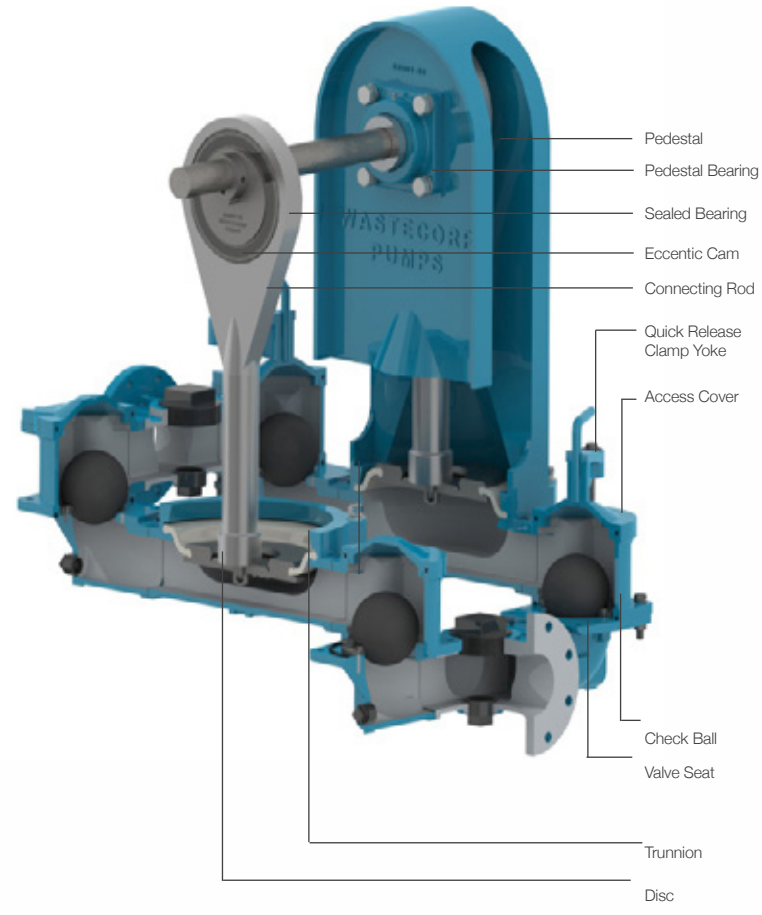

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	Standard	Optional
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Gaskets	BUNA-N	Neoprene, EPDM, Hypalon, HNBR, Viton, Others
Ball Valve	Urethane	Teflon®
Pedestal	Ductile iron ASTM A 536, Grade 65-45-12	
Eccentric Cam	Ductile iron ASTM A 536, 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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Optional	Air, hydraulic, belt driven
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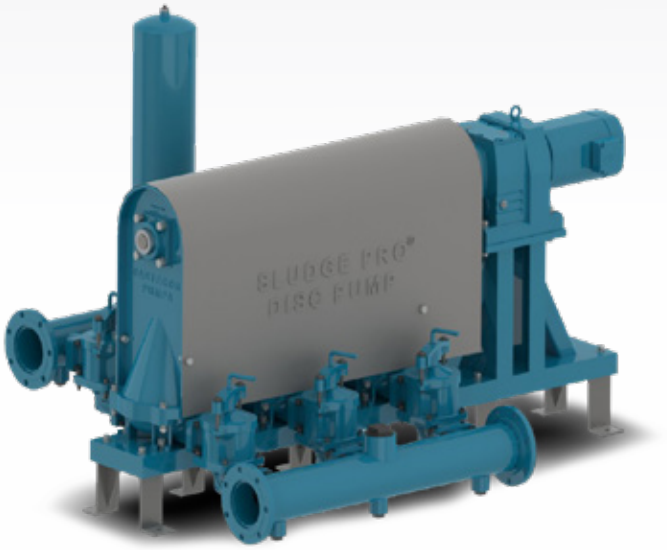
ETFE / PTFE	-40°F to +300°F	Outstanding chemical resistance. best for corrosive slurries
Dura-S	-10°F to +200°F	Excellent abrasion resistance, FDA material and general purpose
Dura-XL	-10°F to +200°F	Excellent chemical and abrasion resistance
Nitrile	+10°F to +180°F	General purpose for oils, water and 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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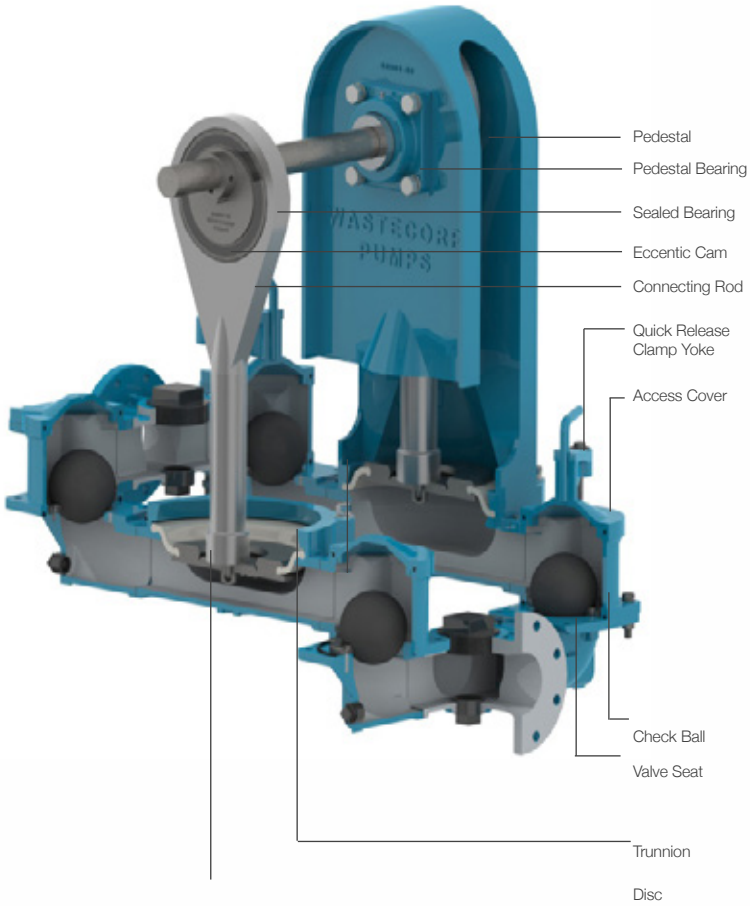


DRIVE SYSTEM OPTIONS

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.

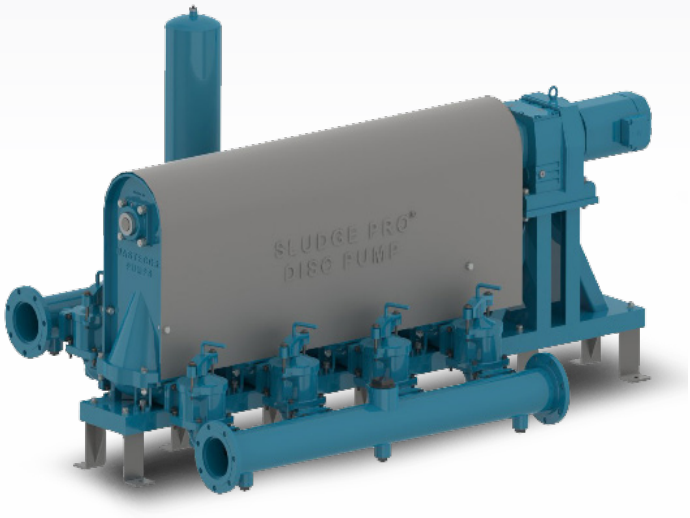
WETTED CASTING COATING OPTIONS

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



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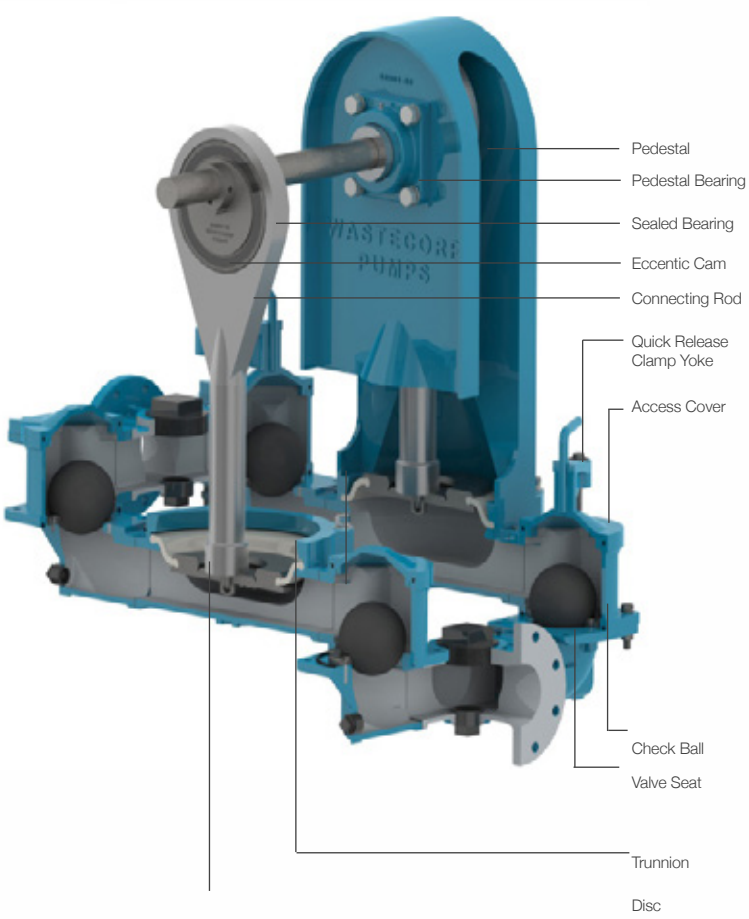


TECHNICAL SPECIFICATIONS

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

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.

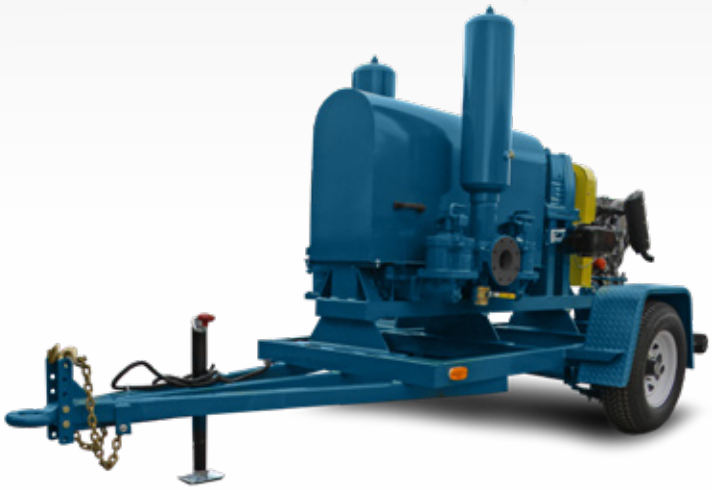
WETTED CASTING COATING OPTIONS

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

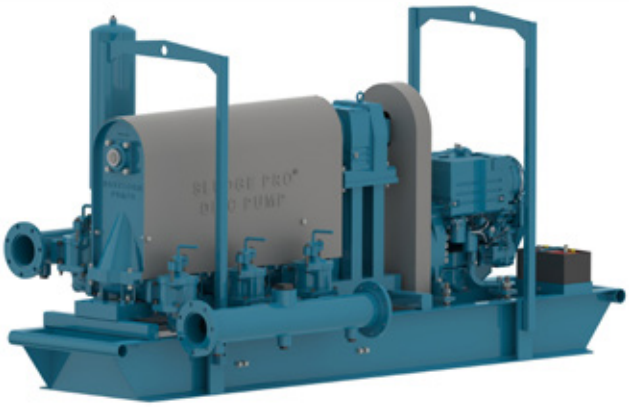
Sludge Pro Pumps are designed, engineered and manufactured in by Wastecorp Pumps in North America. Country/region specific models are available worldwide.

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
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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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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