

RELIABLE PUMPS.
EXPERT SOLUTIONS.

EVERY
TIME.



SUNBELT
RENTALS®

PUMP
SOLUTIONS





When it comes to fluid applications, Sunbelt Rentals understands the importance of providing the right pump for the job.

No matter the size of the project, we have the right pump in stock for you. From a small dewatering job to an engineered solution for municipal or industrial applications, our sales and service teams are available 24/7 to meet your needs and schedule.

Our Pump Solutions team is unmatched in product and application expertise and will ensure that you get the right product — the first time. Simply supply your project details, and our experts will provide you with the entire system, including pumps, hoses, and the performance you can expect.

In addition to intellectual capital, Sunbelt Rentals offers the newest pump rental fleet in the industry for optimal performance and uptime.

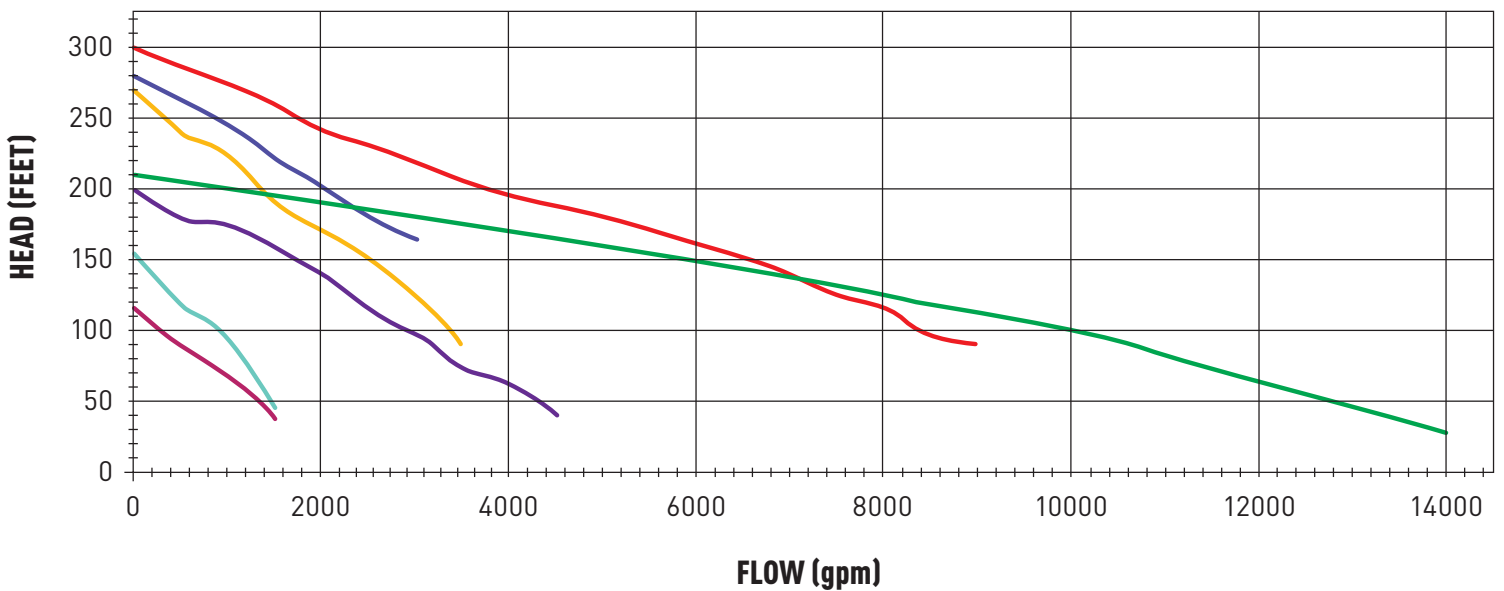
HIGH VOLUME PUMPS

Sunbelt Rentals high volume centrifugal pumps are designed for a wide range of applications. These high-efficiency pumps are known for their performance and reliable continuous-duty operation. With run-dry seals and the ability to rapidly prime themselves automatically, they provide unmatched performance no matter what the fluid is.



MODEL	INLET x OUTLET x IMPELLER DIA.	MAX. FLOW	MAX. TDH	MAX. SOLIDS
PP44S8	4" x 4" x 8"	1,500 gpm	115'	3"
PP44S10	4" x 4" x 10"	1,600 gpm	150'	3"
PP66S12	6" x 6" x 12"	3,200 gpm	163'	3"
PP66S14	6" x 6" x 14"	3,300 gpm	275'	3"
PP88S12	8" x 8" x 12"	4,500 gpm	175'	3"
PP1212S17	12" x 12" x 17"	9,000 gpm	300'	3.75"
PP1414S17	14" x 14" x 17"	14,200 gpm	210'	4"

PUMP CURVES



— PP1414S17
 — PP1212S17
 — PP88S12
 — PP66S14
 — PP66S12
 — PP44S10
 — PP44S8

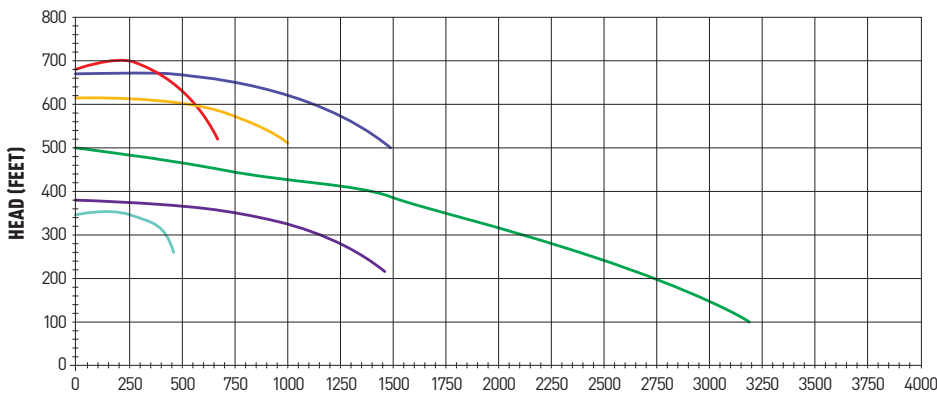
HIGH HEAD PUMPS

High head (high-pressure) pumps are capable of handling flows at significantly higher total dynamic head ratings (tdh). They can pump over long distances and extreme changes in elevation or into pressurized systems.



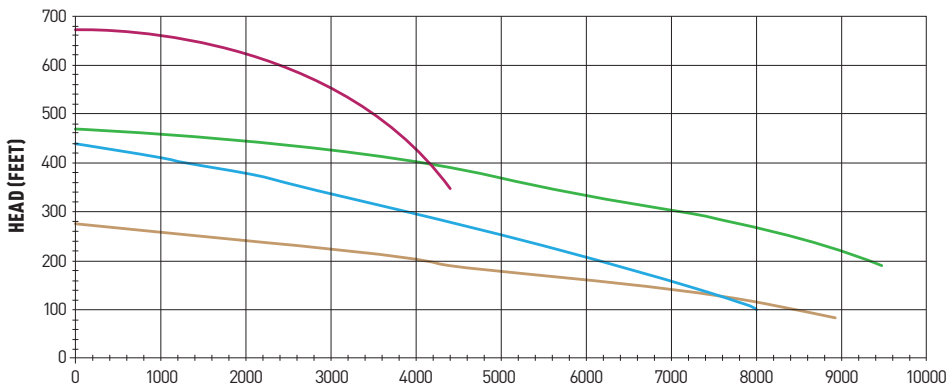
MODEL	INLET x OUTLET x IMPELLER DIA.	MAX. FLOW	MAX. TDH	MAX. SOLIDS
HH80	3" x 3" x 12.8"	450 gpm	340'	1.0"
PP43C21	4" x 3" x 21.0"	650 gpm	700'	0.8"
PP63C17	6" x 3" x 17.0"	975 gpm	620'	0.7"
PP64C17	6" x 4" x 17.0"	1,600 gpm	520'	0.7"
PP64S17	6" x 4" x 17.0"	2,800 gpm	490'	3.0"
PP64C21	6" x 4" x 21.0"	1,500 gpm	675'	0.9"
PP86C21	8" x 6" x 21.0"	4,500 gpm	670'	1.5"
PP108S17	10" x 8" x 17.5"	7,000 gpm	440'	3.5"
PP128S19	12" x 8" x 19.3"	9,000 gpm	530'	3.0"
PP1212S17	12" x 12" x 17.3"	9,000 gpm	300'	3.7"

PUMP CURVES



HIGH HEAD PUMPS 0 – 4,000 GPM

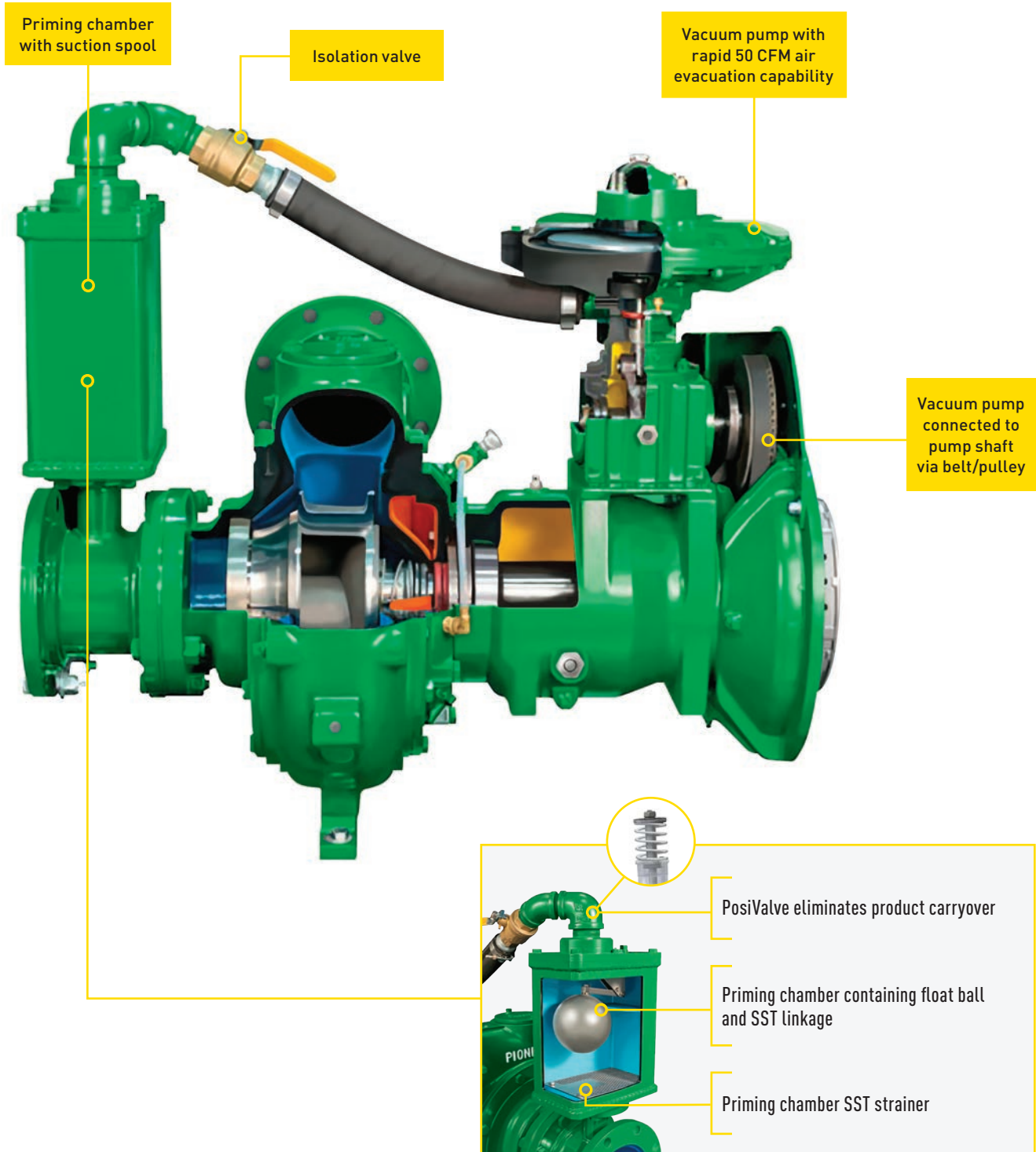
- PP43C21
- PP63C17
- PP64C21
- PP64S17
- PP64C17
- HH80



HIGH HEAD PUMPS 0 – 10,000 GPM

- PP86C21
- PP128S19
- PP108S17
- PP1212S17

DIAPHRAGM PRIMING SYSTEM



CHOPPER PUMPS

THE SOLUTION FOR COMBINED SEWER SYSTEMS

Capable of chopping all incoming solids, chopper pumps offer protection against clogs in your collection system while also protecting against the environmental impacts of combined sewer overflows. Although in use since the 1950s, chopper pumps were almost exclusively used in permanent installations. Their introduction to the rental market allows for a cost-effective temporary solution to high flows and clogged pumps.

SPECIFICATIONS:

- Available in 4-inch and 6-inch models
- Prevent backups and decrease CSO events and associated penalties
- Great for pumping sewers with large amounts of debris that would normally clog a pump



HOW THEY WORK

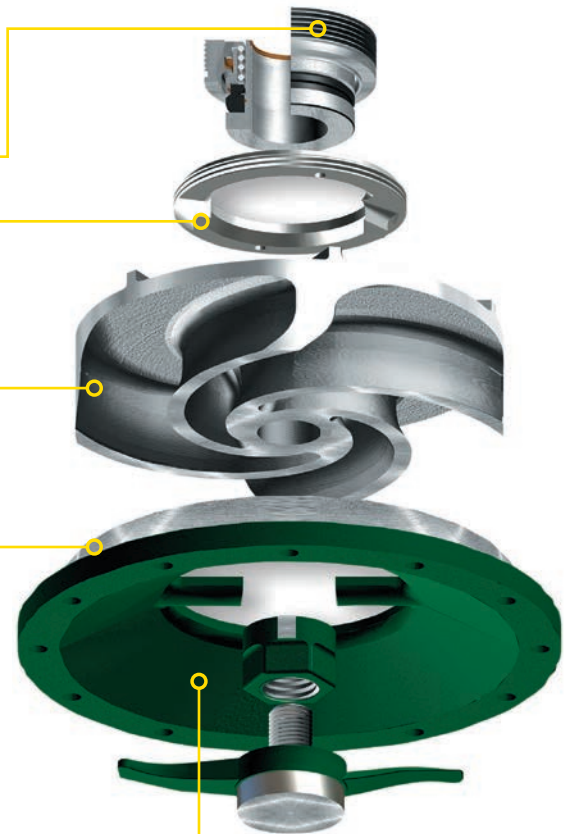
The unique cartridge-style mechanical seal handles the toughest slurries, outperforming standard single-spring seals by reducing problems associated with wrapping or abrasion.

Stray solids trapped in the mechanical seal area are shredded and removed by the impeller vanes turning against the upper cutter, providing reliable service over the long term.

Auxiliary cutters above and below the impeller create a more efficient cutting system that binds less on high-fiber slurry, reducing motor overloads and nuisance tripping. These additional hardened steel, patented cutters are one of the critical differences between the chopper pumps in our fleet and others available in the market.

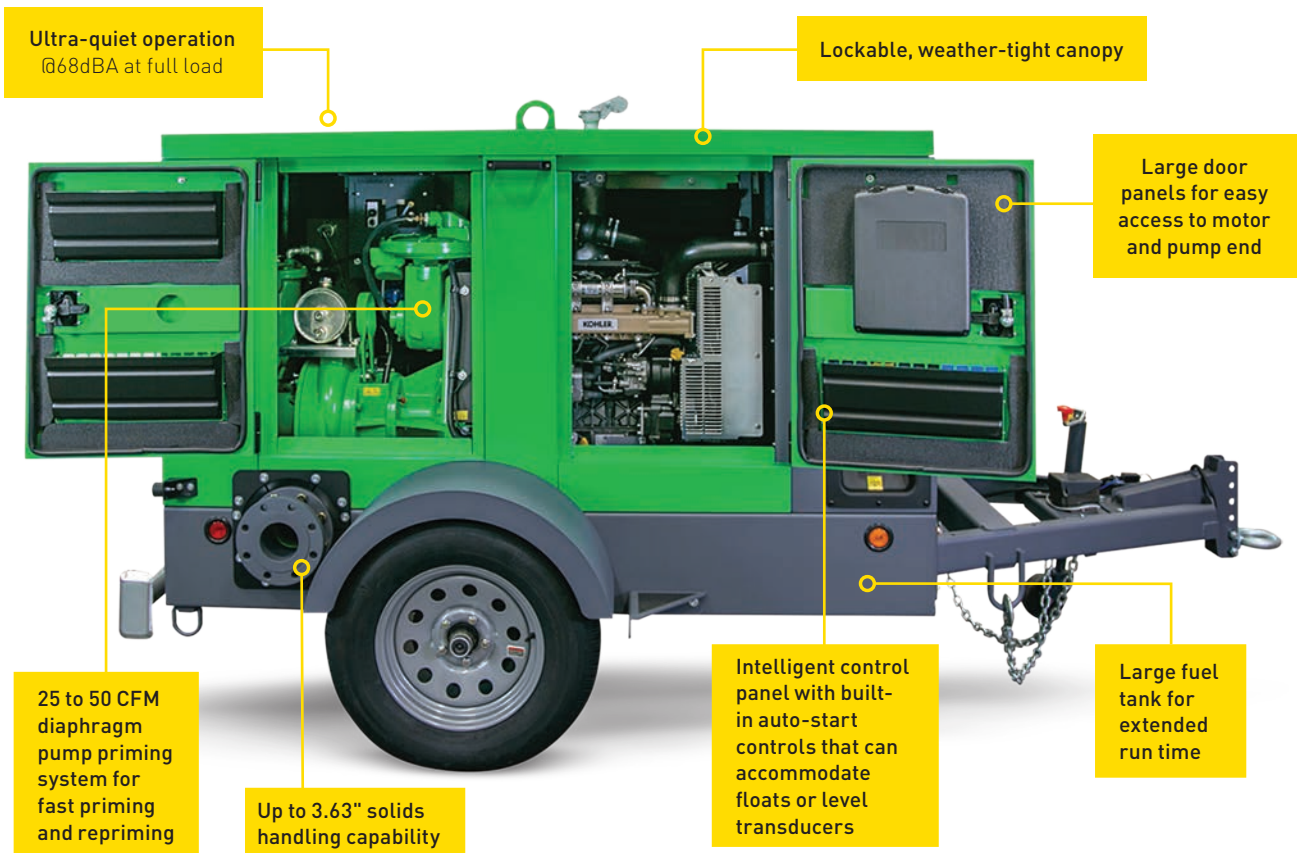
Solids are chopped by the cupped and sharpened impeller blades turning across the cutter bar, creating a smooth “slicing” effect. The conditioned slurry is easily pumped through the pump and piping system without plugging.

Cutter nut (patented) cuts stringy materials that tend to wrap at the pump inlet.



QUIET FLOW[®] DIESEL TRASH PUMPS

Available in 4-, 6-, 10-, 12- and 18-inch models, these state-of-the-art pumps have set a new industry standard for both pump performance and environmental protection. They feature a totally enclosed design with outstanding sound attenuation and a self-contained environmental skid that captures any potential leaks of engine oil, fuel, or coolant.



CONTRACTOR SERIES PUMPS

The Contractor Series pumps are perfect for construction applications. Available in both silent and non-silenced models, these pumps come in 4-inch and 6-inch models. These units are also ideal for sewer bypass thanks to their solids-handling capabilities and easy access to the impeller. They feature a 25 CFM rapid priming system, making them the ideal choice for dewatering construction sites.

- Up to 3-inch solids handling capability
- Flows up to 2,250 gpm
- Automatic priming



SLUDGE PUMPS

Constructed with cast iron and steel, sludge pumps operate best at a lower running speed than most pumps (55 strokes per minute maximum) and are able to extract materials that other pumps can't. Featuring a standard 4-inch inlet and discharge, these units can pump 250 gpm at a maximum discharge pressure of 150 psi while passing up to 3.5-inch solids. Sludge pumps also feature a vertical piston rather than the standard horizontal option. This design allows material to settle evenly over the piston and provides a more even stroke.

APPLICATIONS:

- Chemical and environmental
- Pit cleaning
- Oil spill response
- Wastewater
- Filter cakes
- Pulp and paper
- Rail car
- Viscous materials
- Sludge injection
- Paint and hazardous sludges
- Crude and #6 oil
- Tank bottom sludges
- Other special processes



DIESEL DOUBLE DIAPHRAGM PUMPS

Diesel double diaphragm pumps are positive displacement pumps, which are ideal for handling mud and slurries often found at construction sites. These units feature a double-plunger design and include dual heavy-duty diaphragm pump chambers for rugged, dependable performance. Pumps are self-priming and can run continuously dry. They are also suitable for pumping abrasive materials since there are no rotating parts that come in contact with the material.

FEATURES:

- Non-silenced and Quiet Flow® models available
- 4-inch model: 41-gallon fuel tank; fuel consumption of 5.5 gallons per day
- 6-inch model: 71-gallon fuel tank; fuel consumption of 6.5 gallons per day
- Lockable fuel cap
- Fuel gauge
- Heavy-duty lifting bale
- 5,000-lb. front jackstand
- Powder-coated frame
- DOT trailer lights



WELLPOINT PUMPS

Our diesel wellpoint pumps are specifically designed for vertical or horizontal underground dewatering applications.

- These units can be used with PVC headers and points or sock applications to dewater construction sites prior to excavation.
- Positive displacement pumps are capable of handling large volumes of air and water.
- Pumps are capable of running dry indefinitely without causing damage or excessive wear to any part of the unit.



AIR-OPERATED DOUBLE DIAPHRAGM (AODD) PUMPS

AODD pumps provide pumping solutions for a wide range of applications where compressed air is available for a power source. Output is variable depending on air supply pressure. Units from 2-inch to 4-inch are available, and construction materials include aluminum, stainless steel, cast iron, and polypropylene for a wide variety of applications.

- All models self-priming to 20-foot static
- Can operate completely dry
- Suitable for hazardous location applications



HYDRAULIC SUBMERSIBLE PUMPS

Hydraulic submersible pumps are ideal for many special applications with a high concentration of solids requiring a suction lift of greater than 25 feet. Sunbelt Rentals offers a wide selection of hydraulic pump heads. Matching diesel-driven hydraulic power units are also available, including both standard models and state-of-the-art environmental models featuring sound attenuation and complete fluid containment.

- **Trash pumps** utilizing a semi-open impeller design are ideal for pumping water containing solids such as mud, sticks, and other foreign materials. Applications include construction, sewer bypass, mining, and agriculture.
- **Sludge pumps** handle heavy concentrations of viscous material, due to a specially designed impeller that spins the material in the top of the volute. Applications include digester cleaning, sludge pond remediation, and any application where the material being pumped is heavy or abrasive and contains large solids.
- **Slurry/digester pumps (slurry gate)** are sludge pumps equipped with a hydraulic-activated gate that, when opened, produces a mixing action. This allows heavy materials to be introduced to lighter ones, which produces a more uniform material to be pumped once the gate is closed. Applications include pumping sewage, silt, slurries, sand, dredgings, and most other viscous materials.



DIESEL HYDRAULIC POWER PACKS are available to power all the hydraulic pump heads offered by Sunbelt Rentals. All models are trailer-mounted for portability and are designed for extended periods of continuous operation.

- 35-hp to 100-hp models available
- Emergency shutdown protection
- Single-point lifting bails for easy placement on the job
- Large fuel tanks to provide more than 24 hours run time at full load
- Bottom-mounted tanks with a low center of gravity for added stability
- Auxiliary fuel tanks available for longer run times
- All models designed to utilize readily biodegradable hydraulic fluid to protect the environment
- Quiet Flow® models available



ELECTRIC SUBMERSIBLE PUMPS

These units consist of a centrifugal pump closely coupled to a watertight electric motor with a waterproof power cord. The pumps operate while submerged, thereby eliminating the suction lift limitations of other types of pumps. Other features include quiet operation, no engine fumes and continuous operation without refueling. Also available are 230V/460V 3-phase electric submersible pumps designed for high-volume dewatering and sewage bypass pumping applications.

- 2-inch to 12-inch in both dewatering and trash
- Smaller, slimline dewatering pumps (2-inch to 4-inch) that feature a slim design allowing placement inside narrow-diameter casings
- Standard, soft-start and VFD control panels available



PUMP ACCESSORIES

PIPE PLUGS

Pipe plugs are used to block off pipelines during bypass, rehabilitation, and maintenance applications. The plug is positioned inside the pipeline and then expanded to fit using compressed air from an outside source. Sunbelt Rentals offers a wide selection of multi-size pipe plugs to accommodate pipelines from 6-inch to 96-inch diameter, plus rope and hose kits in several lengths.

- Domehead plugs feature controlled expansion; as the plug inflates, it gets larger in diameter and shorter in length.
- Flow-thru plugs include a large bypass within the plug, which allows bypassing line fluids or injecting chemicals into the line.
- Rope and hose are available in 20- and 30-foot kits with the option of a pressure gauge.



PUMP ACCESSORIES

HOSES



TPU LAYFLAT HOSE

For long discharge length applications. Lightweight for quick and easy transport yet engineered with extra-sturdy abrasion-resistant hose walls that kink less and provide smooth, unrestricted flow. Working pressures to 200 psi.



WATER SUCTION HOSE

- **Sizes in inch (cm):** 2 – 12 (6 – 31)
- **Max psi (bar):** PVC 50 (3.4), Kanaflex 70 (4.8), rubber 150 (10.3)
- **Fittings:** Camlock, Quick-Connect



LAYFLAT DISCHARGE HOSE

- **Sizes in inch (cm):** 2 – 12 (6 – 31)
- **Max psi (bar):** 150 (10.3)
- **Material:** Nitrile
- **Fittings:** Camlock, Quick-Connect



TANK TRUCK HOSE

- **Sizes in inch (cm):** 2 – 8 (5 – 21)
- **Max psi (bar):** 150 (10.3)
- **Material:** Rubber
- **Fittings:** Camlock, 150# flange Quick-Connect



OIL SUCTION AND DISCHARGE HOSE

- **Sizes in inch (cm):** 3 – 14 (8 – 36)
- **Max psi (bar):** 250 (17.2)
- **Material:** Rubber (oil-resistant)
- **Fittings:** 150# flange, 300# flange



CHEMICAL HOSE

- **Sizes in inch (cm):** 2 – 8 (5 – 21)
- **Max psi (bar):** 200 (13.8)
- **Material:** UHMW polyethylene
- **Fittings:** SST 150# flange, SST Camlock



STAINLESS STEEL BRAIDED HOSE

- **Sizes in inch (cm):** 3 – 14 (8 – 36)
- **Max psi (bar):** 200 – 400 (13.8 – 27.6)
- **Material:** 316 stainless steel, double-braided
- **Fittings:** 150# flange, 300# flange



AIR HOSE

- **Sizes in inch (cm):** 3/4 – 3 (2 – 8)
- **Max psi (bar):** 200 – 500 (13.8 – 34.5)
- **Material:** Rubber, textile-braided
- **Fittings:** Crow's foot, bull/boss

BASKET STRAINERS AND FILTER VESSELS

Strainers and filters are used to remove debris and contaminants from liquids. They are durable, cost-effective filters that protect valuable equipment from potential damage. Filter vessels, for example, are used to remove larger particulates, while filter baskets are made to hold a filter bag that helps remove contaminants that are too small for the naked eye to see.

- Our 3-inch to 12-inch filter pots handle flows from 100 to 2,200 gpm. Vessel housings are available in carbon or stainless steel and ASME code or non-code, depending on application requirements.



HDPE PIPE AND FUSION MACHINES

HDPE PIPE (high-density polyethylene) is ideal for pump and pipeline installations and is particularly well-suited for long pipelines, such as sewer bypass projects. This pipe combines a lightweight design with high-flow capabilities and is also flexible enough to accommodate the gradual bends necessary to follow ground contours and routing on rough terrain jobs. Other advantages of HDPE pipe include the following:

- **Heat fusible** — allows fabrication of long pipelines onsite
- Extremely reliable, with a zero leak rate
- Hydraulically smooth, with superior flow capabilities
- **Durable** — excellent resistance to fatigue, surges, weather, abrasion, corrosion, and chemicals
- **Reusable** — can cut pipe into sections and use on other jobs



FUSION MACHINES are a self-contained, self-propelled, all-terrain solution for fusing two pieces of thermoplastic pipe together with pressure and heat. These units fuse a variety of pipe types, including medium-density polyethylene (MDPE), high-density polyethylene (HDPE) and many more:

- 6-inch to 24-inch models available



PUMP ACCESSORIES

ROAD CROSSINGS

Flow-through road crossings are used to transfer fluids across a street or roadway without blocking traffic. They utilize square tubing and include flanges on each end. Sunbelt Rentals offers 8-inch to 18-inch diameter road ramps as well as 8-inch pedestrian crossings, which are perfect for sidewalks.

- Drive deck featuring non-skid diamond plate
- Angled approaches for smooth entry and exit
- Suitable for up to 80 psi operating pressure
- Designed to handle 20,000 lb. single-axle traffic



FUEL TANKS AND CONTAINMENT BERMS

ENVIRONMENTAL AUXILIARY FUEL TANKS are offered by Sunbelt Rentals to provide extended run times for all types of diesel-driven equipment. Several sizes are available, each featuring an environmentally friendly design and rugged steel construction.

- 275-, 500-, 1,000-, and 2,300-gallon tanks
- Double wall construction with UL listed interior tanks and exterior rupture basins for excellent spill control and complete fluid containment
- Southwest Research Fire Code-rated
- Galvanized steel frames to protect from accidental damage and allow stacking of tanks
- Forklift pockets and 4-point lifting eyes for easy loading and positioning
- Fuel gauge and lockable, weatherproof fuel fill with overflow shut-off valve
- Accommodates two supply and two return lines
- Quick-connect hoses and fittings that allow fast, easy hookup



CONTAINMENT BERMS are ideal for spill containment. Constructed of a military grade fabric, the berms are extremely durable, and their outside support straps allow the use of the full footprint of the berm for containment purposes. Perfect for a wide range of applications, containment berms can be used in conjunction with any piece of equipment that houses fuel or oil.

- Mitigates the environmental impact of fuel and oil spills
- Durable construction that supports long-term use
- One-piece build that allows easy setup
- Various sizes to ensure equipment can be effectively contained



MAKE IT HAPPEN FROM ANYWHERE



COMMAND CENTER

Bring all aspects of the rental process to your web-enabled device and achieve digital control.

- Reserve, rent, or release equipment
- View and manage equipment on the job
- Reorder with one click
- Manage purchase orders and invoice payments
- Manage and track fleet in real time
- Receive alerts and notifications

Sign up for a Command Center account at sunbeltrentals.com/command-center.





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