



GPM Eliminator™

SOLID PUMPING SOLUTIONS



We don't just deliver
the world's toughest
slurry pumps...

**WE DELIVER
SOLID PUMPING
SOLUTIONS.**





DRIVEN by DRIVEN PEOPLE

GPM manufactures and distributes the toughest, most reliable, submersible and horizontal slurry pumps found anywhere in the world. Ranging from 5HP to 500HP, the GPM-Eliminator line of pumps can pump any slurry from dirty water to 70% solids. Key benefits include:

- Designed and built for extremely abrasive slurry applications
- Pump solid particles up to 4.5" diameter
- Up to 8,000 gallons per minute capacity
- Balanced hydraulic design gives even wear on every wear plate, impeller and casing
- Realize longer intervals between routine inspections
- Capable of running dry for extended periods

GPM-Eliminator Pumps reduce downtime, maintenance costs and operating expenses

On average, 61% of the total life cycle cost for a heavy-duty slurry pump is consumed by downtime, maintenance and operating costs. With GPM-Eliminator technology, including proven mechanical seals, these costs are dramatically reduced. In many cases GPM-Eliminators have performed on-the-job for more than 10 years without needing service. See for yourself...the GPM-Eliminator requires less hassle, reducing downtime, reducing the total life cycle cost of the pump and **improving your bottom line.**

GPM Eliminator™

SOLID PUMPING SOLUTIONS

**DURABLE.
RELIABLE.
DEPENDABLE.**

Built to Last.

GPM's potted cable entry will endure approx. 90' of submergence. standard cable length is 33'

GPM's shafting is 416 stainless steel

GPM standard submersible motors are wound with Class H (180°C/356°F) insulation and meet and exceed NEMA-MGI as an inverter duty premium efficient TENV (Totally Enclosed Non Vented) motor

Temperature sensors are placed in stator to protect against overheating

GPM's castings are heavy duty

GPM's seal sensor produces an alarm to warn user if seals have been breached

GPM's standard seal arrangement is a double mechanical silicon carbide vs. silicon carbide for both upper and lower faces

GPM's double mechanical seal (using Labyrinth technology) prevents product from being introduced into motor housing

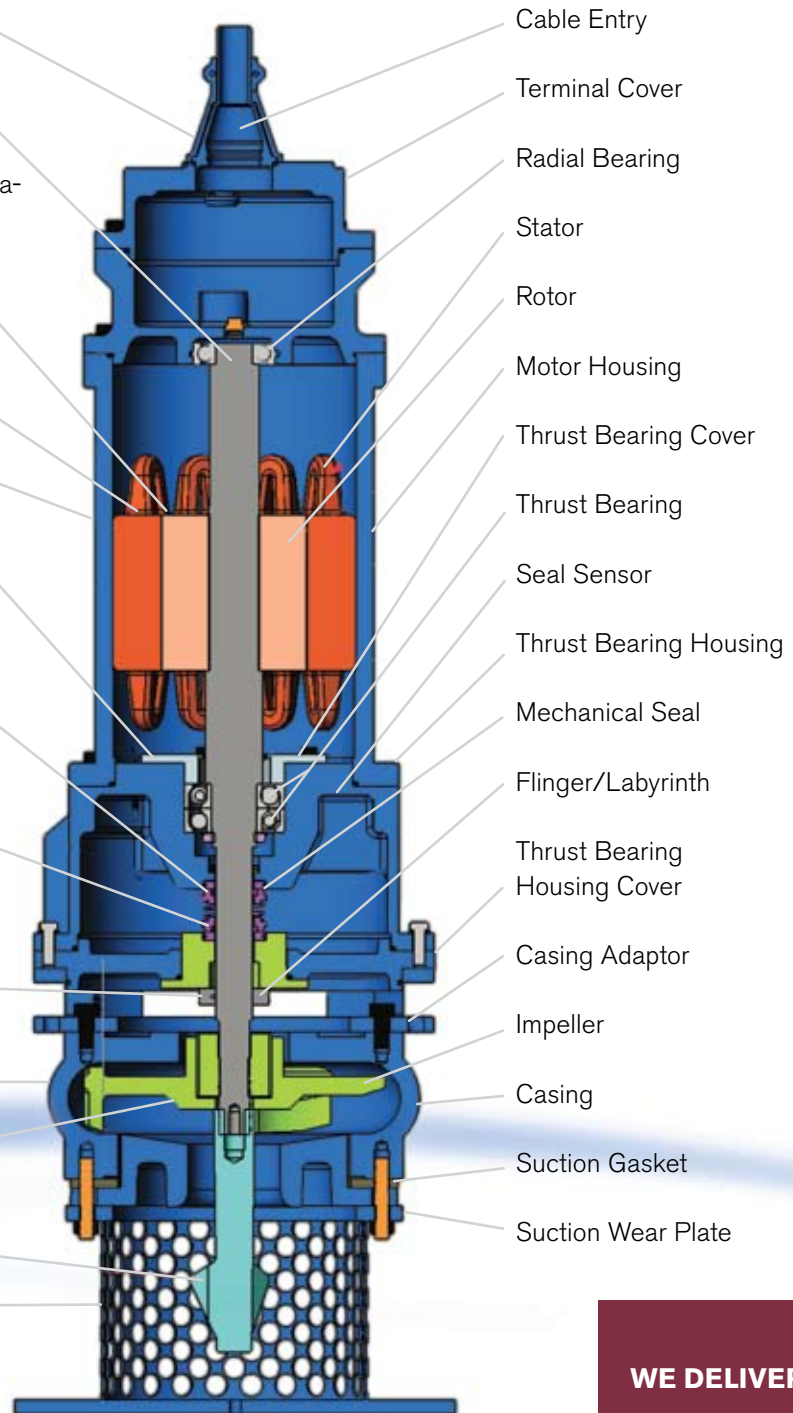
GPM's flinger/labyrinth helps to keep product from reaching the mechanical seal and breaks down mechanical pressures

GPM's wet end components are cast in high chrome iron (650 Brinell)

Large particle capability

Optional Mechanical Agitator

GPM has designed the durable screen/stand to allow maximum flow to suction while screening oversized particles



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TOP to BOTTOM PROTECTION

Engineered for Durability

- Standard Class H insulation enables the pump to run hotter, longer
- Pump slurries up to 82°C/180°F
- Eliminate monitoring and maintenance costs

Compressed, Sealed Cable Entry Protects from Moisture and Particle Contamination

- Each cable lead is sealed in epoxy to prevent leakage
- The epoxy plug is sealed within a rubber membrane
- The outer metal housing seals the cable into the motor

Double Mechanical Seal Protects the Motor

- Labyrinth seal reduces pressure on seal faces
- Mechanical seal faces are silicon carbide for more protection
- Pumps are supplied with seal relief port which minimizes hydraulic pressures acting on seals
- Mechanical seal runs in an oil barrier fluid that lubricates and cools seal faces

Lower Maintenance

- Oversized shaft helps prevent deflection and extends seal life
- 650 Brinell high chrome iron provides for long life with less wear and tear
- Exclusive seal technology ensures longer motor and bearing life

Unique Spray Hole Technology Provides Four Feet of Agitated Area

- Keeps solids in suspension for efficient pumping
- Agitates through the entire sump area instead of just the inlet
- Optional mechanical agitator is usually not needed, but can be added in special circumstances

Type	Driver	Casing	Max Flow	Head @ Max Flow	Max Solids Diameter	Discharge Size
Submersible	Electric Motor	LH	4,500 GPM	160'	4.50"	3-8"
		EW	6,000 GPM	260'	3.25"	2-8"
		GT	2,500 GPM	240'	3.00"	3-4"
	Hydraulic Motor	LH	4,500 GPM	160'	4.50"	3-8"
		EW	6,000 GPM	260'	3.25"	2-8"
		GT	2,500 GPM	240'	3.00"	3-4"



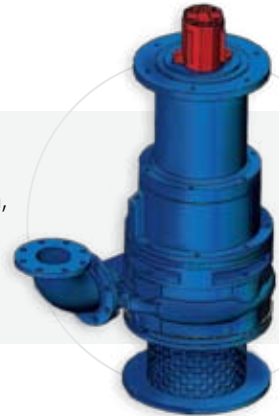
GPM Eliminator™

SUBMERSIBLE PUMPS

Any other pump that will run dry...doesn't run for long. The GPM-Eliminator is capable of running dry.

HYDRAULIC GPM-ELIMINATOR PUMP

A lightweight alternative pump you can take on location, away from an electrical source. Designed for extremely abrasive applications, this totally sealed unit has been an effective choice for use on barges, or in remote locations when heavy slurry needs to be pumped.



EXTENDED-SHAFT GPM-ELIMINATOR PUMP

The extended shaft is equipped with an upper and lower bearing which stabilizes shaft rotor dynamics allowing us to meet L10 bearing life of 100,000 hours.



GPM-Eliminator Submersible Pumps come with the following features:

- 28% high chrome iron, 650 Brinell hardness wet end materials
- Dual SiC vs. SiC mechanical seals
- Inverter duty motor, Class H (180°C/356°F) winding insulation
- Casing spray holes for slurry agitation
- 33' extra long cable
- 416SS shaft construction

GPM-Eliminator Submersible Pumps come with the following options:

- Liquid ends in stainless steel and CD4MCU
- Shaft agitator for thick slurries on either GT or LH pumps
- Longer cable lengths
- Various shaft alloys (304SS, 316SS, 416SS, 317SS)
- Non-spray hole casings
- Explosion-proof 15HP GPM-Eliminator, UL approved and ideal where a Division 1, Class 1, Group D motor is required



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GPM
SOLUTIONS DRIVEN

BUILT for the TOUGHEST APPLICATIONS

DESIGNED FOR EXTREMELY ABRASIVE APPLICATIONS – GPM-ELIMINATOR HORIZONTAL PUMPS ARE PROVEN TO REDUCE MAINTENANCE, PARTS AND LABOR COSTS.

Reduce Maintenance and Repair Costs

- Designed to handle wear particles up to 4.5" diameter
- No packing or shaft sleeves
- No lubrication schedule to maintain
- Once a year maintenance instead of 6 to 8 times per year
- Back pullout design for convenient maintenance access
- Consumable pump parts can be removed and replaced without complete pump teardown
- Double mechanical seal in an oil barrier fluid to lubricate and cool seal faces

Variable Speed Drive (VSD) Motor Available

- Lower energy costs
- Improved overall system reliability
- Reduced cycle costs, elimination of support equipment
- Pump wear plates, impeller and casing all have the same wear time intervals. This means all these parts can be serviced at the same time
- Lowest industry replacement frequency rates of pump wear plates, impeller and casing
- Wear parts and casing are made from 28% high chrome iron with 650 Brinell hardness

Reduction of Scheduled and Unscheduled Downtime Delivers Increased Safety Around the Pump

- No slippery mud or packing water on the floor around the pump
- Less maintenance means less lifting risks
- No packing adjustments required means less risk of accidents

Power Savings

- More efficient operation of motor
- Even more power savings available with GPM-Eliminator's variable speed direct drive pump instead of a belt driven pump

Reduction of Process Water

- GPM-Eliminator's seal technology means a reduction in water usage



GPM Eliminator™

HORIZONTAL PUMPS

Select the Horizontal Application Needed for your Operation

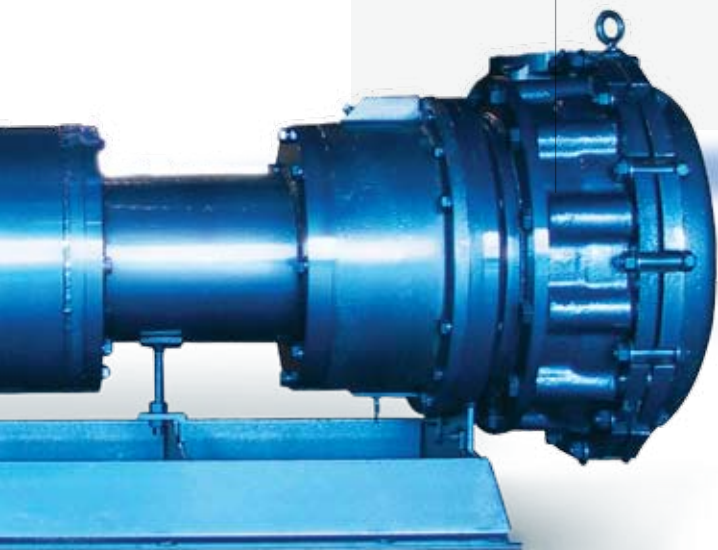
GPM-Eliminator Horizontal Pumps come with the following features:

- 28% high chrome iron, 650 Brinell hardness wet end materials
- Dual SiC vs. SiC mechanical seals
- 416SS shaft construction
- Stainless steel wet end hardware

GPM-Eliminator Horizontal Pumps come with the following options:

- Various shaft alloys (304SS, 316SS)

Type	Driver	Casing	Max Flow	Head @ Max Flow	Max Solids Diameter	Discharge Size	
Horizontal Belt Drive	Electric Motor	LH	4,500 GPM	160'	4.50"	3-8"	
		EW	6,000 GPM	260'	3.25"	2-8"	
Coupled Horizontal		GT	2,500 GPM	240'	3.00"	3-4"	
		LH	4,500 GPM	160'	4.50"	3-8"	
Horizontal Monobloc		EW	6,000 GPM	260'	3.25"	2-8"	
		GT	2,500 GPM	240'	3.00"	3-4"	
Horizontal C-Face		LH	4,500 GPM	160'	4.50"	3-8"	
		EW	8,000 GPM	260'	3.25"	2-8"	
		Hydraulic Motor	GT	2,500 GPM	240'	3.00"	3-4"
			LH	4,500 GPM	160'	4.50"	3-8"
	EW	6,000 GPM	260'	3.25"	2-8"		
	GT	2,500 GPM	240'	3.00"	3-4"		



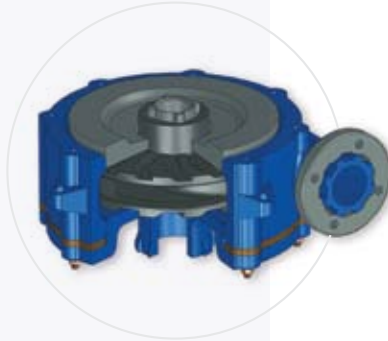
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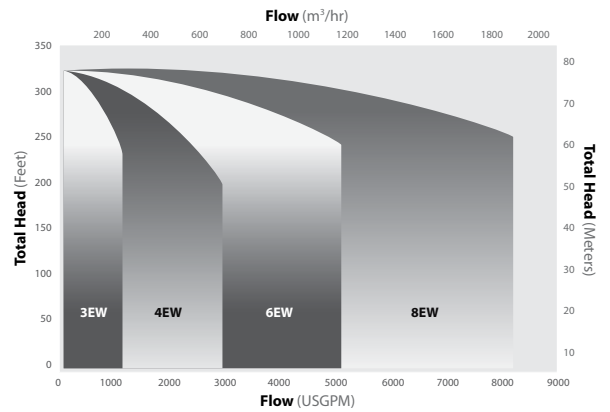
RELIABLE PERFORMANCE

EW Series Hydraulic Coverage Chart

Even Wear (EW)
Heavy Duty
Wet End

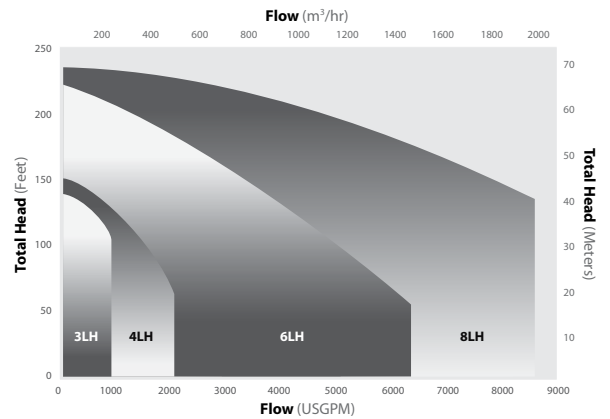
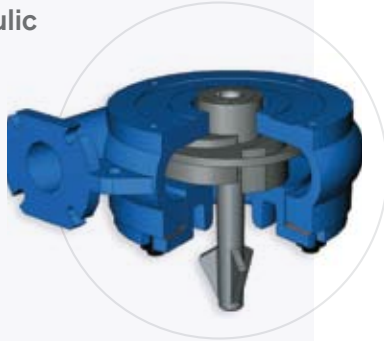


Hydraulic Performance Curves



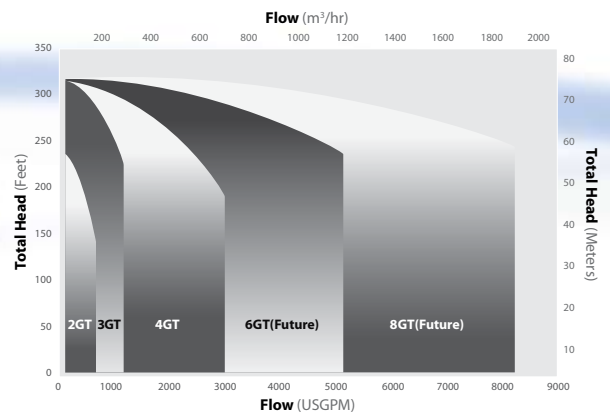
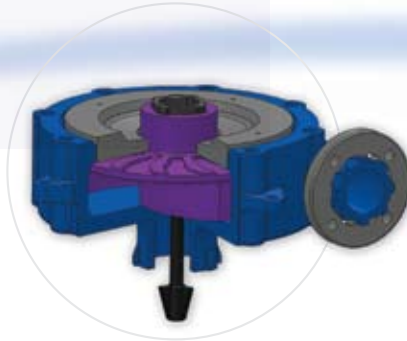
LH Series Hydraulic Coverage Chart

Low Head (LH)
Heavy Duty
Wet End



GT Series Hydraulic Coverage Chart

GT Series (GT)
Heavy Duty
Wet End



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FIND GPM PUMP EQUIPMENT IN THESE INDUSTRIES:

- **Minerals** – GPM-Eliminator submersible slurry pumps, dewatering pumps and progressive cavity pumps, gearboxes, industrial fans and mechanical seals
- **Power Generation** – GPM-Eliminator submersible slurry pumps, dewatering pumps and progressive cavity pumps, gear boxes, industrial air handling fans and mechanical seals, boiler tubes, imtech doors, pressure parts, condensers, feed water heaters and cooling towers
- **Oil and Gas** – Process equipment, booster pumps, API610 pumps, gearboxes and mechanical seals
- **Steel and Heavy Industry** – GPM-Eliminator submersible slurry pumps, dewatering pumps, process pumps, progressive cavity pumps, mechanical seals, gearboxes and industrial fans
- **Pulp and Paper** – ANSI pumps, process pumps, progressive cavity pumps, GPM-Eliminator submersible slurry pumps, gearboxes, industrial fans and mechanical seals
- **Food Processing** – Centrifugal pumps, gearboxes, progressive cavity pumps and industrial fans
- **Chemical** – ANSI pumps, GPM-Eliminator submersible slurry pumps, process pumps, progressive cavity pumps, gearboxes, mechanical seals and industrial fans
- **Wastewater and Sewage** – ANSI pumps, GPM-Eliminator submersible slurry pumps, process pumps, progressive cavity pumps and mechanical seals



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DRIVEN to CONTROL COSTS

Since 1978, GPM has developed customer-focused solutions including offering specific engineering and technical services to solve the most complex problems.

We manufacture the GPM-Eliminator, the world's toughest slurry pump, capable of handling the toughest slurry applications from dirty water to 70% solids.

DRIVEN to REDUCE DOWNTIME

GPM has world-class service and maintenance capabilities. When a pump, seal, gearbox, or any equipment is out of service, it means you can be out of business. We get that. So we have a real sense of urgency to get it fixed right and on time.

We start by inspecting all parts to original manufacturing specifications and tolerances. We then provide competitively priced alternatives for repair, upgrade, or exchange of the customer's rotating equipment.

Call on GPM's engineers, service specialists and technical professionals at **218-722-9904** to provide cost-effective solutions for your business, or visit us at **www.gpmco.com**.



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Distributed by:



Made in the USA, means

made in the USA. Our OEM

GPM-Eliminator pumps are made with USA parts, manufactured by USA companies and assembled by USA workers. When you specify a GPM pump, it's the All-American thing to do.



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