

PUMPS FOR PETROLEUM APPLICATIONS

For Handling
Petroleum-Based
Products



The Pump People®



A History Of Solving Petroleum Challenges

Gorman-Rupp has been revolutionizing the pumping industry since 1933. Many of the innovations introduced by Gorman-Rupp over the years have become industry standards.

Gorman-Rupp developed its first self-priming centrifugal pump to provide our customers with a durable, reliable pump that could perform in a demanding environment. Since then, we've worked closely with our customers around the world to meet their solids-handling and clean fluid transfer needs.

With over one million Gorman-Rupp pumps and pump stations installed to date, we have the experience to intimately understand petroleum pumping requirements. Our worldwide network of distributors has experienced industry professionals on staff, giving us firsthand knowledge of your most difficult applications.

We help you solve these challenges and make the most of your limited resources by designing our pumps and stations, to deliver decades of trouble-free performance. When you choose Gorman-Rupp for your petroleum pumping application, you'll experience some of the lowest life cycle costs in the industry and benefit from minimal service interruptions. And you'll enjoy one of the highest customer satisfaction ratings in the industry—guaranteed.

Two For One

Roto-Prime® pumps are actually two pumps in one: a variable capacity vane pump used during the priming cycle and a standard centrifugal pump to move the liquid.



State-of-the-Art Equipment And Facilities

As the world's leading manufacturer of pumps and pumping systems, Gorman-Rupp offers you access to one of the largest and highest quality lines of petroleum pumps available in the market place today.

We maintain nearly one million square feet of the most modern manufacturing, testing and warehousing facilities in the world. Our experienced engineers take advantage of the latest technologies and innovations to custom-design, manufacture and assemble our products.

We perform rigorous testing based on Hydraulic Institute standards and test to

customers' actual operating conditions in our state-of-the-art testing facility guaranteeing innovative, superior-quality products that are ready to tackle your toughest jobs.

To ensure you get the right equipment for your requirements, Gorman-Rupp partners with a worldwide network of distribution and provides them with the best and most extensive training. Gorman-Rupp distributors will work hand-in-hand with you to recommend, customize and specify equipment. And they are always available should you ever require service assistance.

With just one number to call for parts and service, it's easy and convenient to keep your equipment performing as it should.



Gorman-Rupp Pumps:

The Longest Lasting In The Business



RD2-B



RS3-B



RS3-BAR

Priming-Assisted Pumps

Gorman-Rupp priming-assisted pumps are specifically designed for handling a variety of clean petroleum products. Ideal for loading and off loading, their design incorporates a variable capacity vane pump which quickly and automatically evacuates air and vapor during the priming cycle or when there is a loss of suction during pumping.

Roto-Prime®

Size: 3" (75 mm) x 2" (50 mm) to 6" (150 mm) x 5" (125 mm)

Max Capacity: 1480 GPM (93 lps)

Max Head: 390' (119 m)

Seal Elastomer: Viton®, Teflon®

Materials of Construction: Cast Steel, Ductile Iron



Self-Priming Centrifugal Pumps

Gorman-Rupp self-priming centrifugal pumps are easy to install and service. Because they are self-priming, they can be mounted high and dry at floor level, with only the suction line down in the liquid. If service or maintenance is required, it can be completed quickly and easily. There are no long drive shafts to install and align. And, there is never any need for service personnel to enter the sump. Pumps are available as basic units for connection to your power source or may be close-coupled.



O Series®

Size: 2" (50 mm) to 6" (150 mm)
Max Capacity: 1350 GPM (85 lps)
Max Head: 400' (122 m)
Seal Elastomer: Viton®
Material of Construction: Aluminum, Cast Iron



80 Series®

Size: 1.25" (30 mm) to 6" (150 mm)
Max Capacity: 1860 GPM (117 lps)
Max Head: 205' (63 m)
Seal Elastomer: Viton®
Material of Construction: Cast Iron
(Consult factory for other metals available)

Close-Coupled Self-Priming Centrifugal Pumps

Gorman-Rupp close-coupled, self-priming pumps are part of the OTS pumps program which means they are available for purchase anytime, anywhere. These models are coupled to explosion-proof motors and are ideal for handling a variety of petroleum-based liquids.



80 Series®

Fuel Handling, Electric Driven

Size: 1.25" (30 mm) to 1.5" (38 mm)
Max Capacity: 92 GPM (6 lps)
Max Head: 70' (21 m)
Seal Elastomer: Viton®
Material of Construction: Cast Iron



O Series®

Fuel Handling, Electric Driven

Size: 2" (50 mm)
Max Capacity: 140 GPM (9 lps)
Max Head: 90' (27 m)
Seal Elastomer: Viton®
Material of Construction: Cast Iron, Ductile Iron

Shield-A-Spark Engine-Driven Pumps

Shield-A-Spark pumps by Gorman-Rupp feature a spark and splash shielded engine, muffler and fuel cap. The gasoline engine unit features a dependable, rugged military or aircraft type spark plug which is radio suppressed and prevents spark gap jumping. A shielded ignition wire provides an enclosed path for high tension spark. The sealed toggle ignition switch is safe and spark-free and the spark-arresting muffler is designed to retard both sparks and flames.



80 Series®

Flammable Liquid-Handling

Size: 2" (50 mm) to 3" (75 mm)

Max Capacity: 395 GPM (25 lps)

Max Head: 143' (43 m)

Seal Elastomer: Viton®

Material of Construction: Aluminum

Engines: Gasoline, Diesel

Power Take-Off Pumps

Gorman-Rupp O Series® gear-reducer, power take-off (PTO) pumps are the perfect solution for a variety of clean petroleum products. They are ideal for supplying aircraft fuel, O Series PTO pumps excel in moving fluids that do not contain large solids. Their rugged, lightweight construction and compact design enable mounting in the unused space between the cross member of the chassis frame on refueling and water transfer vehicles.



O Series®

Size: 2" (50 mm) to 3" (75 mm)

Max Capacity: 400 GPM (25 lps)

Max Head: 440' (134 m)

Seal Elastomer: Viton®

Material of Construction: Aluminum,
Ductile Iron

Hand Oscillating Utility Pump

Part of the OTS pump program, these Gorman-Rupp hand oscillating (HO Series) pumps provide a simple solution for the easy transfer of light to medium, mild-corrosive liquids such as gasoline, lube oil and diesel fuel. High quality, compact and self-priming they provide reliable service in a variety of applications.



Hand Oscillating

Size: 0.75" (19 mm)

Max Capacity: 6 GPM (0.4 lps)

Material of Construction: Cast Iron

Standard Centrifugal Pumps

Gorman-Rupp offers a variety of high volume, high pressure centrifugal pumps. They have few moving parts, so maintenance and service are minimal. These centrifugal pumps are engineered for maximum operating performance and minimal energy consumption. They are used in hundreds of applications where petroleum-based products must be handled safely and efficiently.



VG Series & VGH Series

Size: 1.25" (30 mm) to 8" (200 mm)
Max Capacity: 4900 GPM (309 lps)
Max Head: 500' (152 m)
Max Solids: 1.38" (35 mm)
Material of Construction: Cast Iron, Ductile Iron



60 Series

Size: 2" (50 mm) to 5" (125mm)
Max Capacity: 1480 GPM (93 lps)
Max Head: 390' (119 m)
Seal Elastomer: Viton®
Material of Construction: Cast Steel, Ductile Iron



Many models in this brochure are available with alternative gaskets and mechanical seals approved for a variety of fuel formulations.

Gorman-Rupp G Series

Focused On Specialized Applications



A



B



C

Rotary Gear Pumps

Gorman-Rupp positive displacement rotary gear pumps are versatile enough to handle a wide variety of pumping applications, liquids, viscosities and temperatures. They are available in a variety of drive arrangements, including close-coupled, flex-coupled and gear reducer.

A

GMC Series

Medium Duty

Size: 1" (25 mm) to 2" (50 mm)
Max Capacity: 38 GPM (2 lps)
Max Pressure: 200 PSI (14 bar)
Max Viscosity: 250000 SSU (54000 cSt)
Temp Range: -60° F (-51° C) to 300° F (149° C)
Material of Construction: Cast Iron

B

GMS Series

Medium Duty

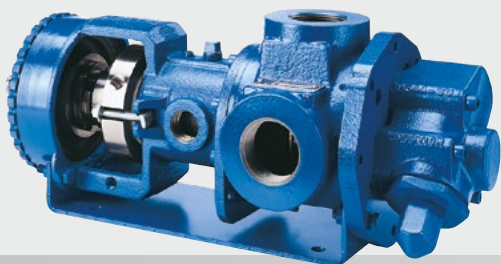
Size: 1" (25 mm) to 6" (150 mm)
Max Capacity: 600 GPM (38 lps)
Max Pressure: 150 PSI (11 bar)
Max Viscosity: 250000 SSU (53925 cSt)
Temp Range: -60° F (-50° C) to 450° F (232° C)
Material of Construction: Cast Iron

C

GHC Series

Heavy Duty

Size: 1" (25 mm) to 3" (75 mm)
Max Capacity: 107 GPM (7 lps)
Max Pressure: 300 PSI (21 bar)
Max Viscosity: 50000 SSU (11000 cSt)
Temp Range: -60° F (-50° C) to 350° F (177° C)
Material of Construction: Cast Iron, Cast Steel, Stainless Steel



D



E

D GHS Series

Heavy Duty

Size: 1" (25 mm) to 6" (150 mm)

Max Capacity: 600 GPM (38 lps)

Max Pressure: 300 PSI (21 bar)

Max Viscosity: 2000000 SSU (431400 cSt)

Temp Range: -60° F (-50° C) to 675° F (357° C)

Material of Construction: Cast Iron, Cast Steel,
Ductile Iron, Stainless Steel

E GHA Series

Extreme Duty/Abrasive

Size: 1.5" (40 mm) to 4" (100 mm)

Max Capacity: 325 GPM (21 lps)

Max Pressure: 200 PSI (14 bar)

Max Viscosity: 250000 SSU (54000 cSt)

Temp Range: -60° F (-50° C) to 500° F (260° C)

Material of Construction: Hard Iron



Specialty Tank Clean-Out Products

Tankleenor™ Self-Priming Petroleum Tank Cleaning System

Gorman-Rupp's self-priming Tankleenor™ provides quick, efficient and economical cleaning of petroleum storage tanks. The unit is a lightweight, wheel-mounted cleaning system designed for one-man operation and is easily moved from job to job.



O Series®

Size: 2" (50 mm) by 2" (50 mm)
Seal Elastomer: Viton®
Material of Construction: Cast Iron

Self-Priming Positive Displacement Pump

Gorman-Rupp's self-priming, positive displacement, hydraulic piston pump is designed to tackle your toughest pumping requirements. For applications involving heavy sludges, slurries and other viscous materials, the SludgeKat® offers powerful, reliable pumping where other pumps fail.



SludgeKat®

Hydraulic Driven

Size: 4" (100 mm)
Max Capacity: 226 GPM (14 lps)
Max Head: 390' (119 m)
Max Solids: 2.4" (61 mm)
Material of Construction: Cast Iron



Pumps For Petroleum Applications

Gorman-Rupp has been manufacturing pumps and related equipment for petroleum-based liquids since the 1950s. Through the years, our products have become the industry standard for new fuels, vehicles and transportation systems.

Bulk Plants

Tank Farms



Barges

Tank Cars or Trucks

Aircraft Fuels



Gasoline



Fuel Oil

Ethanol

Biodiesel

Petrochemicals

Solvents



After Sale Support

Gorman-Rupp products stand the test of time due to our quality manufacturing processes, rigorous product testing and extensive after sale support.

Product Support

Every pump manufactured by Gorman-Rupp is supported with reference information. Pump operation and maintenance manuals (including parts lists), specification data sheets, performance curves and outline drawings in PDF and CAD formats are available on our website or through your distributor for every pump.

Warranty

The warranties on Gorman-Rupp products are some of the best in the industry. Gorman-Rupp has you covered with warranties up to 60 months.

Education & Safety

Gorman-Rupp is committed to remaining at the forefront of the industry with technology and safety. Training videos, demos and

in-person training sessions created for our distributors and end-users help to keep everyone up to date on the latest safety tips and pump maintenance.

Parts

When you need a replacement part, you'll have it fast. Gorman-Rupp is fully committed to keeping your equipment running long after installation and ensuring your pump or lift station continues to meet your requirements year after year. We sell parts through our network of distributors. Find a distributor in your area for assistance.

Service

Should your pump or lift station require service, our worldwide network of factory-trained distributors are ready to quickly respond. Our distributors have the expertise to support you and your pump or lift station long after installation.

Manufacturing Facilities

Gorman-Rupp USA
Mansfield, Ohio, USA

Gorman-Rupp Canada
St. Thomas, Ontario, Canada

Gorman-Rupp Europe
Waardenburg, Netherlands
Namur, Belgium

Gorman-Rupp Africa
Cape Town, South Africa
Durban, South Africa
Johannesburg, South Africa (Headquarters)

Distribution Center

Grand Prairie, Texas, USA

Engineering and manufacturing superiority has been the hallmark of Gorman-Rupp since our inception in 1933. Today we bring our products to life in some of the most efficient, modern and state-of-the-art manufacturing facilities in the world. Gorman-Rupp has a selection of nearly 3,000 pump models, and our world-class team of distributors has worked closely with thousands of end users around the world. We have the proven expertise and the resources to specify, manufacture, test and service your pump, and to ensure reliable performance for the long haul.

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