



# PUMPS FOR PETROLEUM APPLICATIONS

*A complete line of pumps specifically designed for pumping clean, non-abrasive petroleum products.*

**GR**<sup>®</sup>  
**GORMAN-RUPP**  
**PUMPS**

*The Pump People*<sup>®</sup>

# PROVIDING QUALITY PUMPING EQUIPMENT FOR 85 YEARS



## A History of Solving Petroleum Challenges

In 1933, Gorman-Rupp developed its first self-priming centrifugal pump to provide our customers with a durable, reliable pump that could perform in a challenging environment. Since then, we've worked closely with our customers around the world to meet all of their fluid transfer needs.

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

We help you solve these challenges and make the most of your limited resources by designing our pumps to deliver decades of trouble-free performance. When you choose Gorman-Rupp for your petroleum pumping applications, you'll experience some of the lowest lifecycle 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.



## State-of-the-Art Equipment Built in State-of-the-Art 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 one-of-a-kind 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.



## OUR PETROLEUM LINE OF PRODUCTS INCLUDES:

### Priming-Assisted Pumps

Gorman-Rupp priming assisted pumps are specifically designed for handling a variety of clean petroleum products. Their design incorporates a variable capacity vane pump which quickly and automatically evacuates air and vapor.

### Self-Priming Centrifugal Pumps

Gorman-Rupp self-priming centrifugal pumps are easy to install and easy to service. Because they're self-priming, they can be mounted high and dry at floor level, with only the suction line 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 a 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 or engine driven.

### 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. Gorman-Rupp centrifugal pumps are engineered for maximum operating performance and minimal energy consumption. These pumps are used in hundreds of applications where petroleum based products must be handled safely and efficiently.

### 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, gear reducer and v-belt drive.

### OTS Pumps

Gorman-Rupp OTS pumps are a complete line of self-priming, standard centrifugal, diaphragm, submersible and rotary gear models. Drive options include engine-driven, electric motor-driven or submersible configurations. The OTS pumps program provides a pumping solution when you need it. Offering over one hundred pump models, these products can be purchased anytime, anywhere. From high pressure to medium head, solids-handling to clear fluids, Gorman-Rupp has the right pump for the job.

## APPLICATIONS:

Bulk Plants

Tank Farms

Barges

Tank Cars or Trucks

Aircraft Fuels

Gasoline

Fuel Oil

Ethanol

Biodiesel

Petrochemicals

Solvents



# INDUSTRY-LEADING SUPPORT AND WARRANTY

*Gorman-Rupp delivers reliable, long-lasting equipment to maximize your ROI and reduce your requirements for service.*

Gorman-Rupp stands behind the quality of our petroleum pumps to ensure they meet your requirements for the long haul. To maintain industry-leading client satisfaction well beyond product installation, we offer a variety of services to meet your needs, including:

## **Training**

We provide in-depth training seminars for service personnel in our one-of-a-kind training facility. You'll learn about our products, technologies and how to service your equipment.

## **Service**

Because our equipment is designed for minimum maintenance and ease of service, it's simple and cost-effective for you to self-service Gorman-Rupp pumps. Only minimal resources are required to keep our pumps and pump packages operating at peak performance.

Our worldwide distribution network is available for service questions and support as well as warranty work. Should you wish to outsource service, our distribution network can provide ongoing service for your pump and/or pump package.

## **Fast Parts Service**

When you need a replacement part for any of our products, you'll have it fast. With the largest parts and pump inventory in the industry at our disposal, we fill and ship most parts orders within 24 hours.

## **Industry-Leading Warranty**

The warranties on Gorman-Rupp products are some of the best in the industry. Because of our quality manufacturing processes and our rigorous product testing, we have confidence in the quality of our products. Thanks to our warranties, you can too. Gorman-Rupp has you covered with warranties up to one year. Visit [www.GRpumps.com/warranty](http://www.GRpumps.com/warranty) for specific warranty information.



# GORMAN-RUPP PUMPS: THE LONGEST LASTING PUMPS IN THE BUSINESS

## Priming-Assisted Pumps



### Roto-Prime®

Size: 3" x 2" to 6" x 5" (75 mm x 50 mm to 150 mm x 125 mm)  
Max Capacity: 1460 GPM (92.1 lps)  
Max Head: 390' (118.9 m)  
Seal Elastomer: Viton®, Teflon®  
Material of Construction: Ductile Iron, Cast Steel



Models noted in this brochure are available with alternative gaskets and mechanical seals for a variety of fuel formulations.

## Self-Priming Centrifugal Pumps



### 0 Series®

Size: 2" (50 mm) to 6" (150 mm)  
Max Capacity: 1350 GPM (85.2 lps)  
Max Head: 400' (121.9 m)  
Seal Elastomer: Viton®  
Material of Construction: Gray Iron, Aluminum



### 80 Series®

Size: 1.25" (30 mm) to 8" (200 mm)  
Max Capacity: 2100 GPM (132.5 lps)  
Max Head: 210' (64.0 m)  
Seal Elastomer: Viton®  
Material of Construction: Gray Iron  
*(Consult factory for other metals available)*



## Close-Coupled Self-Priming Centrifugal Pumps



### 0 Series®

Shown with explosion-proof motor  
Size: 2" (50 mm)  
Max Capacity: 140 GPM (8.8 lps)  
Max Head: 90' (27.4 m)  
Seal Elastomer: Viton®  
Material of Construction: Gray Iron



### 80 Series®

Shown with explosion-proof motor  
Size: 1.25" (30 mm) to 1.5" (38 mm)  
Max Capacity: 91 GPM (5.7 lps)  
Max Head: 72' (21.9 m)  
Seal Elastomer: Viton®  
Material of Construction: Gray Iron



OTS noted models are included in the Gorman-Rupp OTS pump program. These products are available anytime, anywhere.

NO SMOKING



# GORMAN-RUPP EQUIPMENT KEEPS FLUIDS MOVING

## Shield-A-Spark Engine-Driven Pumps



### 80 Series® Flammable Liquid-Handling Pumps

Size: 2" (50 mm) to 3" (75 mm)  
Max Capacity: 395 GPM (24.9 lps)  
Max Head: 140' (42.7 m)  
Seal Elastomer: Viton®  
Material of Construction: Aluminum  
Engines: Gasoline, Diesel

## Power Take-Off Pumps



### 0 Series®

Size: 2" (50 mm) to 3" (75 mm)  
Max Capacity: 400 GPM (25.2 lps)  
Max Head: 440' (134.1 m)  
Seal Elastomer: Viton®  
Material of Construction: Aluminum, Ductile Iron

## Tankleenor Self-Priming Petroleum Tank Cleaning System



### 0 Series®

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



# FOCUSING ON THE SPECIALIZED NEEDS OF THE PETROLEUM MARKET

New fuels, vehicles and transportation systems constantly demand more complex and more efficient pump designs. And Gorman-Rupp has long been at the forefront of these changes. In the 1950s, we developed a compact, lightweight pump design that simplified installation in fuel transport trucks. In the 1960s, we met the challenge for accelerated fuel delivery to aircraft by designing a new line of compact, high-volume pumps. Our engineers are working today to meet the fuel-handling needs of tomorrow – safely and dependably.

## Rotary Gear Pumps



**GMC Series Medium Duty**  
Size: 1" (25 mm) to 2" (50 mm)  
Max Capacity: 38 GPM (143.9 lpm)  
Max Pressure: 200 PSI (13.8 bar)  
Max Viscosity: 250000 SSU (54000 cSt)  
Temp Range: -60° F (-51° C) to 300° F (149° C)



**GHS Series Heavy Duty**  
Size: 1" (25 mm) to 6" (150 mm)  
Max Capacity: 600 GPM (2271.3 lpm)  
Max Pressure: 300 PSI (20.7 bar)  
Max Viscosity: 2000000 SSU (440000 cSt)  
Temp Range: -60° F (-51° C) to 675° F (357° C)



**GMS Series Medium Duty**  
Size: 1" (25 mm) to 6" (150 mm)  
Max Capacity: 600 GPM (2271.3 lpm)  
Max Pressure: 150 PSI (10.3 bar)  
Max Viscosity: 250000 SSU (54000 cSt)  
Temp Range: -60° F (-51° C) to 450° F (232° C)



**GHA Series Extreme Duty / Abrasive**  
Size: 1.5" (40 mm) to 4" (100 mm)  
Max Capacity: 325 GPM (1230.3 lpm)  
Max Pressure: 200 PSI (13.8 bar)  
Max Viscosity: 250000 SSU (54000 cSt)  
Temp Range: -60° F (-51° C) to 500° F (260° C)



**GHC Series Heavy Duty**  
Size: 1" (25 mm) to 3" (75 mm)  
Max Capacity: 107 GPM (405.0 lpm)  
Max Pressure: 300 PSI (20.7 bar)  
Max Viscosity: 50000 SSU (11000 cSt)  
Temp Range: -60° F (-51° C) to 350° F (177° C)

## End-Suction Standard Centrifugal Pumps



**VG Series & VGH Series**  
Size: 1.25" (30 mm) to 8" (200 mm)  
Max Capacity: 4900 GPM (309.1 lps)  
Max Head: 500' (152.4 m)  
Max Solids: 1.38" (35.1 mm)



**60 Series**  
Size: 2" (50 mm) to 8" (200 mm)  
Max Capacity: 1450 GPM (91.5 lps)  
Max Head: 390' (118.9 m)  
Seal Elastomer: Viton®  
Material of Construction: Ductile Iron, Cast Steel

# GORMAN-RUPP IS A PROUD MEMBER OF:



★ **Manufacturing Facilities**  
● **Distribution Centers**

**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 Centers**  
Dubai, United Arab Emirates  
Grand Prairie, Texas, USA

Gorman-Rupp offers the expertise, the facilities, the proven equipment and the industry-leading product support to meet all your petroleum pumping needs. For pumps that deliver maximum value and require minimal service, contact the experts at Gorman-Rupp today.



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*The Pump People®*

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