



# PUMPS FOR INDUSTRIAL APPLICATIONS

From Abrasive  
Chemicals To Fluids  
Containing Large Solids



*The Pump People®*



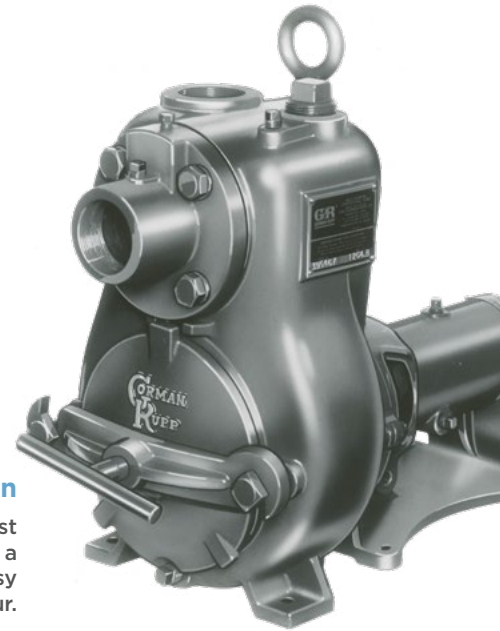
# Solving Industrial Challenges For 90 Years

**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 industrial 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 industrial pumping applications, 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.



## A History of Innovation

**In 1946, Gorman-Rupp introduced the first self-priming centrifugal trash pump with a removable coverplate making it quick and easy to remove a clog should one occur.**

## 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 industrial pumps available in the marketplace 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



## Self-Priming Centrifugal Pumps

Gorman-Rupp self-priming centrifugal pumps are easy to install and service. Because they're 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 flex-coupled, v-belt driven or engine mounted.

### A Ultra V Series®

Size: 3" (75 mm) to 6" (150 mm)  
Max Capacity: 1904 GPM (120 lps)  
Max Head: 168' (51 m)  
Max Solids: 3" (76 mm)

### B Ultra V Series® with UltraMate®

Size: 3" (75 mm) to 6" (150 mm)  
Max Capacity: 1904 GPM (120 lps)  
Max Head: 325' (99 m)  
Max Solids: 3" (76 mm)

### C Super T Series®

Size: 2" (50 mm) to 10" (250 mm)  
Max Capacity: 3400 GPM (215 lps)  
Max Head: 168' (51 m)  
Max Solids: 3" (76 mm)

### D Super U Series®

Size: 3" (75 mm) to 6" (150 mm)  
Max Capacity: 1500 GPM (95 lps)  
Max Head: 207' (63 m)  
Max Solids: 1.25" (32 mm)

### E 80 Series®

Size: 1.25" (32 mm) to 6" (150 mm)  
Max Capacity: 1860 GPM (117 lps)  
Max Head: 205' (63 m)  
Max Solids: 1.9" (49 mm)

When paired with self-priming or horizontal end suction pumps, Gorman-Rupp's Ech<sub>2</sub>oStorm® venturi aeration system adds dissolved oxygen into a variety of industrial liquids.





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## F O Series®

Size: 2" (50 mm) to 6" (150 mm)  
Max Capacity: 1350 GPM (85 lps)  
Max Head: 400' (122 m)  
Max Solids: 0.69" (18 mm)

## G 10 Series®

Size: 1.5" (38 mm) to 12" (300 mm)  
Max Capacity: 6700 GPM (423 lps)  
Max Head: 130' (40 m)  
Max Solids: 3" (76 mm)

## H 10 Series®, 80 Series®, O Series & Super T Series® Engine Driven

Size: 2" (50 mm) to 6" (150 mm)  
Max Capacity: 1640 GPM (104 lps)  
Max Head: 275' (84 m)  
Max Solids: 3" (76 mm)

## I Super T Series® Silent Pump

Size: 4" (100 mm) to 6" (150 mm)  
Max Capacity: 1640 GPM (104 lps)  
Max Head: 136' (41 m)  
Max Solids: 3" (76 mm)

### Setting the Standard

For applications dealing with feathers, stringy solids, sludge or any other clog-prone material, the Eradicator® Solids Management System is available for all sizes of Gorman-Rupp Super T Series®, Ultra V Series® and select Prime Aire® pumps. For the most aggressive applications and more effective solids management, 3", 4" and 6" Super T Series models are available with Eradicator Plus technology when the cutting and tearing of organic solids is required.

*\*Includes Eradicator® wearplate only.*



# The Right Pumping Solution, When You Need It

## 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.



### GMC Series

Medium Duty

Size: 1" (25 mm) to 2" (50 mm)  
Max Capacity: 38 GPM (144 lpm)  
Max Pressure: 200 PSI (14 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 lpm)  
Max Pressure: 300 PSI (21 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 lpm)  
Max Pressure: 150 PSI (10 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 lpm)  
Max Pressure: 200 PSI (14 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 lpm)  
Max Pressure: 300 PSI (21 bar)  
Max Viscosity: 50000 SSU (11000 cSt)  
Temp Range: -60° F (-51° C) to  
350° F (177° C)

### Customized Solutions

G Series positive displacement rotary gear pumps are available in a variety of drive configurations, including: close-coupled, flex-coupled, v-belt, engine-driven, gear reducer or as part of an engineered packaged pump station.



# Submersible Pumps

Gorman-Rupp submersible pumps are designed for efficient operation in both dewatering and solids-handling applications, while remaining out-of-sight, beneath the fluid's surface. Submersible pumps are also available as part of a complete ReliaSource Industrial pump package.



## SF Series®

Solids-handling

Size: 3" (75 mm) to 8" (200 mm)  
Max Capacity: 3400 GPM (215 lps)  
Max Head: 172' (52 m)  
Max Solids: 3" (76 mm)  
Horsepower: 3 HP (2 kW) to 75 HP (56 kW)



## SM Series

MSHA Approved

Size: 2" (50 mm) to 6" (150 mm)  
Max Capacity: 2100 GPM (133 lps)  
Max Head: 380' (116 m)  
Max Solids: 0.5" (13 mm)  
Horsepower: 1 HP (1 kW) to 60 HP (45 kW)



## S Series

Widebase

Size: 2" (50 mm) to 12" (300 mm)  
Max Capacity: 7100 GPM (448 lps)  
Max Head: 585' (178 m)  
Max Solids: 1" (25 mm)  
Horsepower: 2 HP (2 kW) to 275 HP (205 kW)



## HS Series®

Hydraulic Driven

Size: 3" (75 mm) to 8" (200 mm)  
Max Capacity: 2640 GPM (155 lps)  
Max Head: 176' (54 m)  
Max Solids: 5" (127 mm)



## S Series

Slimline

Size: 2" (50 mm) to 6" (150 mm)  
Max Capacity: 2160 GPM (136 lps)  
Max Head: 385' (117 m)  
Max Solids: 0.5" (13 mm)  
Horsepower: 1 HP (1 kW) to 60 HP (45 kW)

# 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: 100 mm (4")  
Max Capacity: 14 l/s (226 gpm)  
Max Head: 119 m (390')  
Max Solids: 61 mm (2.4")

# From Solids Laden Liquids To Clean Water, Equipment That Keeps Fluids Moving



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## Priming-Assisted Pumps

Gorman-Rupp priming-assisted pumps are the perfect solution for applications where intermittent flow can be a problem. These pumps feature our positive priming system that allows the pumps to run dry continuously without causing damage. The priming system virtually eliminates leaks, reducing environmental concerns and giving the unique capability to operate under flooded-suction conditions.

### A Prime Aire Plus® Engine Driven

Size: 3" (75 mm) to 16" (400 mm)  
Max Capacity: 15400 GPM (972 lps)  
Max Head: 540' (165 m)  
Max Solids: 4" (102 mm)

### C Prime Aire® Engine Driven

Size: 3" (75 mm) to 14" (350 mm)  
Max Capacity: 9900 GPM (625 lps)  
Max Head: 420' (128 m)  
Max Solids: 3.5" (89 mm)

### B Prime Aire Plus® Electric Driven

Size: 3" (75 mm) to 16" (400 mm)  
Max Capacity: 15400 GPM (972 lps)  
Max Head: 540' (165 m)  
Max Solids: 4" (102 mm)



Engine-driven models are available with high-speed wheel kit or DOT-approved trailer with brakes and lighting kit.



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## Prime Aire®

Electric Driven

Size: 3" (75 mm) to 14" (350 mm)  
Max Capacity: 9900 GPM (625 lps)  
Max Head: 420' (128 m)  
Max Solids: 3.5" (89 mm)

F

## ValuPrime®

General Purpose Dewatering

Size: 4" (100 mm) to 6" (150 mm)  
Max Capacity: 1520 GPM (96 lps)  
Max Head: 150' (46 m)  
Max Solids: 3" (76 mm)

E

## Prime Aire®

Silent Pump

Size: 4" (100 mm) to 14" (350 mm)  
Max Capacity: 9900 GPM (625 lps)  
Max Head: 177' (54 m)  
Max Solids: 3.5" (89 mm)



# Standard And Horizontal End Suction Centrifugal Pumps

Gorman-Rupp offers hundreds of models of high volume, high pressure centrifugal pumps. These more efficient pumps have few moving parts, so maintenance and service are minimal.

## Standard Centrifugal



### 50 Series

Size: 4" (100 mm) to 5" (125 mm)  
Max Capacity: 1200 GPM (76 lps)  
Max Head: 416' (127 m)  
Max Solids: 0.5" (13 mm)



### 60 Series

Size: 2" (50 mm) to 12" (300 mm)  
Max Capacity: 6800 GPM (429 lps)  
Max Head: 500' (152 m)  
Max Solids: 3" (76 mm)



### 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)

## End Suction Centrifugal



### 6400 Series™

Size: 2" (50 mm) to 6" (150 mm)  
Max Capacity: 2160 GPM (136 lps)  
Max Head: 170' (52 m)  
Max Solids: 4" (102 mm)



### 6500 Series®

Size: 3" (75 mm) to 16" (400 mm)  
Max Capacity: 15400 GPM (972 lps)  
Max Head: 530' (162 m)  
Max Solids: 4" (102 mm)



# Specialty Self-Priming Centrifugal Pumps

The safest way to handle a hazardous liquids is to use a pump that is designed for the job. That is why Gorman-Rupp manufactures a specialty line of pumps classified as explosion-proof and safe to use with volatile liquids.



## 80 Series® Shield-A-Spark

Fuel-Handling Engine Driven

Size: 2" (50 mm) to 3" (75 mm)  
Max Capacity: 395 GPM (25 lps)  
Max Head: 143' (43 m)



## O Series®

Fuel-Handling, Close-coupled  
Electric Driven

Size: 2" (50 mm)  
Max Capacity: 140 GPM (9 lps)  
Max Head: 90' (27 m)



## 80 Series®

Fuel-Handling, Close-coupled  
Electric Driven

Size: 1.25" (30 mm) to 1.5" (38 mm)  
Max Capacity: 92 GPM (6 lps)  
Max Head: 70' (21 m)

# OTS Utility Pumps

Gorman-Rupp OTS pumps are a complete line of self-priming, standard centrifugal, submersible, diaphragm and rotary gear models that can be purchased anytime, anywhere. From high pressure to medium head, solids-handling to clean fluids, Gorman-Rupp has the right pump for the job. Drive options include engine-driven, electric motor-driven or submersible configurations.



## Heavy-Duty Trash

Electric and Electronic Driven

Size: 2" (50 mm) to 6" (150 mm)  
Max Capacity: 120 GPM (8 lps)  
Max Head: 135' (41 m)



## Medium Head

Electric and Engine Driven

Size: 1.25" (32 mm) to 6" (150 mm)  
Max Capacity: 1860 GPM (117 lps)  
Max Head: 210' (64 m)



## Diaphragm

Electric Driven

Size: 2" (50 mm) to 4" (100 mm)  
Max Capacity: 150 GPM (9 lps)  
Max Head: 25' (8 m)



## High Pressure

Electric and Engine Driven

Size: 2" (50 mm) to 4" (100 mm)  
Max Capacity: 725 GPM (46 lps)  
Max Head: 380' (116 m)



## Submersible

Size: 1.5" (40 mm) to 4" (100 mm)  
Max Capacity: 452 GPM (29 lps)  
Max Head: 87' (27 m)



## Hand Oscillating

Size: 0.75" (19.1 mm)  
Max Capacity: 6 GPM (0.4 lps)

# ReliaSource®—The Industrial Market's Most Reliable Packaged Stations

Gorman-Rupp has been manufacturing quality systems for over 50 years. Our full line of complete above-ground stations is 100% custom engineered and manufactured by Gorman-Rupp. All our packages offer an extensive line of pumps, motors, controls, valves and accessories and are housed in durable fiberglass enclosures. Each station comes pretested and ready for immediate hookup to power and piping.



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## A Modular Above-Ground Packaged Station

Pump Size: 2" (50 mm) to 12" (300 mm)  
Max Capacity: 5200 GPM\* (328 lps)  
Max Head: 325' (99 m)  
Max Solids: 3" (76 mm)  
Station Size: 10' (3 m) x 14' (4 m) to  
11'6" (4 m) x 20' (6 m)

## B 8x12 Above-Ground Packaged Station

Pump Size: 2" (50 mm) to 8" (200 mm)  
Max Capacity: 2660 GPM (168 lps)  
Max Head: 320' (98 m)  
Max Solids: 3" (76 mm)

## C 6x6T Above-Ground Packaged Station

Pump Size: 2" (50 mm) to 6" (150 mm)  
Max Capacity: 1480 GPM\* (94 lps)  
Max Head: 158' (48 m)  
Max Solids: 3" (76 mm)

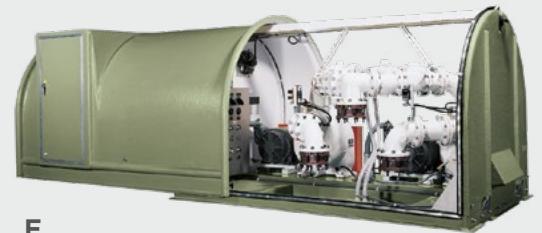




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## D 6x6 Above-Ground Packaged Station

Pump Size: 2" (50 mm) to 6" (150 mm)  
Max Capacity: 1480 GPM\* (94 lps)  
Max Head: 158' (48 m)  
Max Solids: 3" (76 mm)

## E Above-Ground Submersible Valve Package (ASVP)

Pump Size: 3" (75 mm) to 6" (150 mm)  
Max Capacity: 2280 GPM\* (144 lps)  
Max Head: 172' (52 m)  
Max Solids: 3" (76 mm)  
Horsepower: 3 HP (2 kW) to 50 HP (37 kW)

## F 7x10 Above-Ground Packaged Station

Pump Size: 2" (50 mm) to 8" (200 mm)  
Max Capacity: 2660 GPM\* (168 lps)  
Max Head: 158' (48 m)  
Max Solids: 3" (76 mm)

## G Auto-Start Packaged Station

Pump Size: 2" (50 mm) to 10" (250 mm)  
Max Capacity: 3400 GPM\* (215 lps)  
Max Head: 320' (98 m)  
Max Solids: 3" (76 mm)

## H Base-Mounted Packaged Station

Pump Size: 2" (50 mm) to 10" (250 mm)  
Max Capacity: 3400 GPM\* (215 lps)  
Max Head: 320' (98 m)  
Max Solids: 3" (76 mm)

\*Single pump operation

# Precise Matching Of Pumps And Motors With Integrinex® Controls

The Gorman-Rupp team of electrical, mechanical and hydraulic engineers works closely throughout the development of each pumping system to ensure the entire system works in harmony to meet your system requirements – accurately and reliably.

## Integrinex® Liquid Level Controls

### Integrinex® Standard

Integrinex Standard is the heart of every Gorman-Rupp station packed with the features you need most, including duplex and triplex alternation, level sensors, pump delay and alarms.

### Integrinex® Advanced

Advanced control systems include Soft Starters and VFD's (variable frequency drives) to manage electric inrush, hydraulic shock and matching starting and stopping torque required by the pump. Integrinex Advanced controls are custom engineered to match your unique system requirements for the additional control you need. And now, when equipped with new FloSmart® technology, the Integrinex Advanced control system can detect a pump obstruction and run a cleaning cycle until the debris is cleared.

### Integrinex® Remote View

All the functionality of our advanced system with the added convenience of remote tablet-based management and monitoring.

**INTEGRINEX®**  
ADVANCED  
WITH **FloSmart®**  
TECHNOLOGY

Integrinex® Advanced with  
FloSmart® technology  
is available in new  
ReliaSource® stations.



The performance of any pumping system is dependent on the reliability and accuracy of the pump controls. Our expert electrical engineers help you design an efficient system that includes the best, precisely matched controls in the industry.



# Pumps For A Variety Of Applications

Gorman-Rupp pumps will be found operating in the most hostile environments. Down in the sub-basements, in the waste sumps, in the heat, steam, grease and grime, handling the corrosive and abrasive wastes other pumps cannot. Performing reliably month after month, year after year, in all types of systems, pumping solids and debris that would shut other operations down.

## Pumps for Automotive

- Cutting Oil Circulation
- Machining Waste Sump
- Cooling Water



## Pumps for Building Trades

- Waste and Water
- Runoff Sumps
- Elevator Sumps

## Pumps for Chemicals

- Wastewater
- Chemical Additives
- Solvents
- Acidic Water
- Storm Water Runoff
- Sludges and Slurries



## Pumps for Food Processing

- Process Wastes Handling
- Fluming
- Water Recirculation
- Wash Down
- Packaging

## Pumps for Marine Duty

- Bilge Pumps
- Barge Unloading

## Pumps for Mining

- Underground Mine Dewatering
- Water Reclaiming
- Abrasive and Corrosive Liquid Transfer
- Spillage Sumps



## Pumps for Oil and Gas Drilling

- Mixing and Blending for Fracking
- Oil Transfer
- Wastewater Recovery
- Drilling Mud Transfer

## Pumps for Paper

- Tank Car Unloading
- Mill Wastewater
- Woodyard Waste
- Wastewater Treatment



## Pumps for Power

- Coal Pile Runoff
- Coal Prep
- Wastewater
- Floor Drainage
- Holding Ponds
- Dust Suppression
- Fly Ash
- Cooling Water
- Scrubber Pumps

# 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.

**GRPUMPS.COM**

GORMAN-RUPP PUMPS  
P.O. BOX 1217  
MANSFIELD, OHIO 44901-1217 | USA  
TEL: 419.755.1011 | FAX: 419.755.1251



*The Pump People®*