



# PUMPS FOR AGRICULTURAL APPLICATIONS

*A complete line of pumps specifically designed for farm waste, irrigation, fertilizers and utility applications.*

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

*The Pump People*<sup>®</sup>

# PROVIDING QUALITY PUMPING EQUIPMENT FOR OVER 85 YEARS



## A History of Solving Agricultural 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 agricultural 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 agricultural 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 agricultural 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.

## APPLICATIONS:

### Liquid Fertilizers and Chemical Additives

Fertilizer Transfer  
Aquaculture  
Fuel Transport  
Chemical Additives  
Acidic Water  
Storm Water Runoff  
Caustic Soda  
Dewatering  
Dredging  
Bilging

### Animal Waste and Wastewater

Animal Water and Wastewater  
Lagoons  
Hog and Dairy Barn Washdown  
Sludges and Slurries  
Gray Water  
Dewatering  
Storage Ponds

### Irrigation Pumping

Orchard Irrigation  
Flower Irrigation  
Nursery Irrigation  
Aquaculture  
Flood Irrigation  
Drip Irrigation  
Frost Protection  
Dust Control



## OUR AGRICULTURAL LINE OF PRODUCTS INCLUDES:

### 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 with only the suction line in the liquid. If service or maintenance is required, it can be completed quickly and easily. Pumps are available as basic units for connection to your power source or engine mounted.

### Standard and Horizontal End Suction Centrifugal Pumps

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

### 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 staging conditions.

### 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. Available with both electric and hydraulic-driven motors and including versions rated for standard and hazardous locations, there are models available to meet most pumping requirements.

### 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, hand oscillating and rotary gear models. From high pressure to medium head, solids-handling to clear fluids, Gorman-Rupp has the right pump for the job. Drive options include engine-driven, electric motor-driven or submersible configurations.

For applications dealing with stringy solids or any other clog-prone materials, 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 for cutting and tearing organic solids before they are passed through the pump.

*\*Includes Eradicator® wearplate only.*





# 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 agricultural 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 five years. Visit [www.GRpumps.com/warranty](http://www.GRpumps.com/warranty) for specific warranty information.



When paired with self-priming and horizontal end suction pumps, Gorman-Rupp's Ech.oStorm™ venturi aeration system adds dissolved oxygen into a variety of Agricultural liquids.



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

Gorman-Rupp's line of solids-handling self-priming centrifugal pumps is designed for any agricultural waste-handling application, including wastes containing straw, stringy debris or other large solids.

## Self-Priming Centrifugal Pumps



**Ultra V Series®**  
Size: 3" (75 mm) to 6" (150 mm)  
Max Capacity: 1900 GPM (119.9 lps)  
Max Head: 168' (51.2 m)  
Max Solids: 3" (76.2 mm)



**O Series®**  
Size: 2" (50 mm) to 6" (150 mm)  
Max Capacity: 1350 GPM (85.2 lps)  
Max Head: 400' (121.9 m)  
Max Solids: 0.6" (15.2 mm)



**Ultra V Series® w/UltraMate®**  
Size: 3" (75 mm) to 6" (150 mm)  
Max Capacity: 1900 GPM (119.9 lps)  
Max Head: 325' (99.1 m)  
Max Solids: 3" (76.2 mm)



**10 Series®**  
Size: 1.5" (40 mm) to 12" (300 mm)  
Max Capacity: 6700 GPM (422.7 lps)  
Max Head: 130' (39.6 m)  
Max Solids: 3" (76.2 mm)



**Super T Series®**  
Size: 2" (50 mm) to 6" (150 mm)  
Max Capacity: 1860 GPM (117.3 lps)  
Max Head: 130' (39.6 m)  
Max Solids: 1.9" (49.3 mm)



**10 Series®, 80 Series®,  
Super T Series® & Ultra V Series®  
Engine Driven**  
Size: 2" (50 mm) to 10" (250 mm)  
Max Capacity: 6800 GPM (429.0 lps)  
Max Head: 210' (64.0 m)  
Max Solids: 3" (76.2 mm)



**80 Series®**  
Size: 1.25" (30 mm) to 6" (150 mm)  
Max Capacity: 1860 GPM (117.3 lps)  
Max Head: 205' (62.5 m)  
Max Solids: 1.9" (49.3 mm)



**Super T Series® Silent Pump**  
Size: 4" (100 mm) to 6" (150 mm)  
Max Capacity: 1600 GPM (100.9 lps)  
Max Head: 140' (42.7 m)  
Max Solids: 3" (76.2 mm)

## Specialty Self-Priming Centrifugal Pumps



**O Series® High Pressure Engine Driven**  
Size: 2" (50 mm) to 6" (150 mm)  
Max Capacity: 1350 GPM (85.2 lps)  
Max Head: 400' (121.9 m)



**80 Series® Shield-A-Spark  
Fuel Handling Engine Driven**  
Size: 2" (50 mm) to 3" (75 mm)  
Max Capacity: 380 GPM (24.0 lps)  
Max Head: 150' (45.7 m)



**O Series® Power Take-off &  
Hydraulic Motor Driven**  
Size: 2" (50 mm) to 3" (75 mm)  
Max Capacity: 400 GPM (25.2 lps)  
Max Head: 355' (108.28 m)



**80 Series® Fuel Handling Close-coupled  
Electric Driven**  
Size: 1.25" (30 mm) to 1.5" (40 mm)  
Max Capacity: 92 GPM (5.8 lps)  
Max Head: 70' (21.3 m)



# FROM CLEAN LIQUIDS TO LIQUIDS CONTAINING LARGE SOLIDS

*Gorman-Rupp equipment keeps fluids moving.*

## Priming-Assisted Pumps



**Prime Aire Plus® Engine Driven**  
Size: 3" (75 mm) to 16" (400 mm)  
Max Capacity: 15000 GPM (946.4 lps)  
Max Head: 575' (175.3 m)  
Max Solids: 4" (101.6 mm)



**Prime Aire® Engine Driven**  
Size: 3" (75 mm) to 14" (350 mm)  
Max Capacity: 9950 GPM (627.8 lps)  
Max Head: 420' (128.0 m)  
Max Solids: 3.5" (88.9 mm)



**Prime Aire® Silent Pump**  
Size: 4" (100 mm) to 14" (350 mm)  
Max Capacity: 9950 GPM (627.8 lps)  
Max Head: 195' (59.4 m)  
Max Solids: 3.25" (82.6 mm)



**ValuPrime® General Purpose Dewatering**  
Size: 100 mm (4") to 150 mm (6")  
Max Capacity: 95.9 lps (1520 GPM)  
Max Head: 45.7 m (150')  
Max Solids: 76.2 mm (3")

## Self-Priming Positive Displacement Pumps



**SludgeKat® Hydraulic Driven**  
Size: 4" (100 mm)  
Max Capacity: 226 GPM (14.3 lps)  
Max Head: 390' (119.0 m)  
Max Solids: 2.4" (61.0 mm)

## Submersible Pumps



**SF Series® Solids-handling**  
Size: 3" (75 mm) to 8" (200 mm)  
Max Capacity: 3400 GPM (214.5 lps)  
Max Head: 170' (51.8 m)  
Max Solids: 3" (76.2 mm)  
Horsepower: 3 HP - 75 HP



**S Series Widebase**  
Size: 2" (50 mm) to 12" (300 mm)  
Max Capacity: 7100 GPM (447.9 lps)  
Max Head: 600' (182.9 m)  
Max Solids: 1" (25.4 mm)  
Horsepower: 2 HP - 275 HP



**S Series Slimline**  
Size: 2" (50 mm) to 6" (150 mm)  
Max Capacity: 2100 GPM (132.5 lps)  
Max Head: 380' (115.8 m)  
Max Solids: 0.5" (12.7 mm)  
Horsepower: 1 HP - 60 HP

## Standard Centrifugal Pumps



**50 Series & 60 Series**  
Size: 2" (50 mm) to 12" (300 mm)  
Max Capacity: 6800 GPM (429.0 lps)  
Max Head: 500' (152.4 m)  
Max Solids: 3" (76.2 mm)



**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)

# FOCUSING ON THE SPECIALIZED NEEDS OF THE AGRICULTURAL MARKET



## 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 (2270.6 lpm)  
 Max Pressure: 300 PSI (20.7 bar)  
 Max Viscosity: 2000000 SSU (440000 cSt)  
 Temp Range: -60° F (-51° C) to 875° F (357° C)



### GMS Series Medium Duty

Size: 1" (25 mm) to 6" (150 mm)  
 Max Capacity: 600 GPM (2270.6 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 (1229.9 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)

## Standard Horizontal End Suction Centrifugal Pumps



### 6500 Series®

Size: 3" (75 mm) to 16" (400 mm)  
 Max Capacity: 15000 GPM (946.4 lps)  
 Max Head: 530' (161.5m)  
 Max Solids: 4" (101.6 mm)



The Gorman-Rupp OTS pumps program provides a pumping solution when you need it. Offering over one hundred pump models, these products can be purchased anytime, anywhere.

## OTS Engine and Electric Driven Utility Pumps



### Heavy Duty Trash

Size: 2" (50 mm) to 6" (150 mm)  
 Max Capacity: 120 GPM (7.5 lps)  
 Max Head: 135' (41.1 m)



### Medium Head

Size: 1.25" (30 mm) to 6" (150 mm)  
 Max Capacity: 1860 GPM (117.3 lps)  
 Max Head: 210' (64.0 m)



### Diaphragm

Size: 2" (50 mm) to 4" (100 mm)  
 Max Capacity: 150 GPM (9.4 lps)  
 Max Head: 25' (7.6 m)



### High Pressure

Size: 2.5" (65 mm) to 4" (100 mm)  
 Max Capacity: 725 GPM (45.7 lps)  
 Max Head: 380' (115.8 m)



### Submersible

Size: 1.5" (40 mm) to 4" (100 mm)  
 Max Capacity: 450 GPM (28.3 lps)  
 Max Head: 90' (27.3 m)



### Hand Oscillating

Size: 0.75" (20 mm)  
 Max Capacity: 6 GPM (0.4 lps)

# GORMAN-RUPP IS A PROUD MEMBER OF:



★ **Manufacturing Facilities**  
● **Distribution Center**

**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

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



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