PUMPS FOR AGRICULTURAL APPLICATIONS

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

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.
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 for specific warranty information.
# 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

<table>
<thead>
<tr>
<th>Series</th>
<th>Size</th>
<th>Max Capacity</th>
<th>Max Head</th>
<th>Max Solids</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Ultra V Series®</strong></td>
<td>3&quot; (75 mm) to 6&quot; (150 mm)</td>
<td>1900 GPM (119.9 lps)</td>
<td>168' (51.2 m)</td>
<td>3&quot; (76.2 mm)</td>
</tr>
<tr>
<td><strong>Ultra V Series® w/UltraMate®</strong></td>
<td>3&quot; (75 mm) to 6&quot; (150 mm)</td>
<td>1900 GPM (119.9 lps)</td>
<td>325' (99.1 m)</td>
<td>3&quot; (76.2 mm)</td>
</tr>
<tr>
<td><strong>Super T Series®</strong></td>
<td>2&quot; (50 mm)* to 10&quot; (250 mm)</td>
<td>3400 GPM (214.5 lps)</td>
<td>130' (39.6 m)</td>
<td>3&quot; (76.2 mm)</td>
</tr>
<tr>
<td><strong>80 Series®</strong></td>
<td>1.25&quot; (32 mm) to 10&quot; (250 mm)</td>
<td>2800 GPM (176.7 lps)</td>
<td>205' (62.5 m)</td>
<td>2.5&quot; (63.5 mm)</td>
</tr>
<tr>
<td><strong>10 Series®, 80 Series®, Super T Series® &amp; Ultra V Series® Engine Driven</strong></td>
<td>2&quot; (50 mm) to 10&quot; (250 mm)</td>
<td>6800 GPM (429.0 lps)</td>
<td>210' (64.0 m)</td>
<td>3&quot; (76.2 mm)</td>
</tr>
<tr>
<td><strong>Super T Series® Silent Pump</strong></td>
<td>4&quot; (100 mm) to 6&quot; (150 mm)</td>
<td>1600 GPM (100.9 lps)</td>
<td>140' (42.7 m)</td>
<td>3&quot; (76.2 mm)</td>
</tr>
</tbody>
</table>

*2" available in T Series® only

## Specialty Self-Priming Centrifugal Pumps

<table>
<thead>
<tr>
<th>Series</th>
<th>Size</th>
<th>Max Capacity</th>
<th>Max Head</th>
<th>Max Solids</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>O Series® High Pressure Engine Driven</strong></td>
<td>2&quot; (50 mm) to 6&quot; (150 mm)</td>
<td>1350 GPM (85.2 lps)</td>
<td>400' (121.9 m)</td>
<td>0.6&quot; (15.2 mm)</td>
</tr>
<tr>
<td><strong>80 Series® Shield-A-Spark Fuel Handling Engine Driven</strong></td>
<td>2&quot; (50 mm) to 3&quot; (75 mm)</td>
<td>380 GPM (24.0 lps)</td>
<td>150' (42.7 m)</td>
<td></td>
</tr>
<tr>
<td><strong>O Series® Power Take-off &amp; Hydraulic Motor Driven</strong></td>
<td>2&quot; (50 mm) to 3&quot; (75 mm)</td>
<td>400 GPM (25.2 lps)</td>
<td>355' (108.28 m)</td>
<td></td>
</tr>
<tr>
<td><strong>80 Series® Fuel Handling Close-coupled Electric Driven</strong></td>
<td>1.25&quot; (30 mm) to 1.5&quot; (40 mm)</td>
<td>92 GPM (5.8 lps)</td>
<td>70' (21.3 m)</td>
<td></td>
</tr>
</tbody>
</table>
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® Solid-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: 6900 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)

**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)

**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 (149° 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)

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)

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)

**Diaphragm**
- Size: 2” (50 mm) to 4” (100 mm)
- Max Capacity: 150 GPM (9.4 lps)
- Max Head: 45’ (13.7 m)

**Submersible**
- Size: 1.5” (40 mm) to 4” (100 mm)
- Max Capacity: 450 GPM (28.3 lps)
- Max Head: 90’ (27.3 m)

**Medium Head**
- Size: 1.25” (32 mm) to 6” (150 mm)
- Max Capacity: 3100 GPM (195.6 lps)
- Max Head: 210’ (64.0 m)

**High Pressure**
- Size: 2.5” (65 mm) to 4” (150 mm)
- Max Capacity: 725 GPM (45.7 lps)
- Max Head: 380’ (115.8 m)

**Hand Oscillating**
- Size: 0.75” (19.1 mm)
- Max Capacity: 6 GPM (0.4 lps)
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.