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Super  
**TSERIES**®



*Self-Priming, Solids-Handling  
Trash Pumps*



# A HISTORY OF INNOVATION



*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.*

More than ever, we continue to update our factories, processes, research and development, and engineering to ensure that our pumps and systems are among the most reliable and efficient in the world. One of our most successful and innovative lines of pumps has been our self-priming models.

Revolutionary improvements were made in 1963 with the introduction of our T Series® self-priming pumps. Since then, continuous improvements to head, flow and efficiency have been made.

In 2000 we introduced our Super T Series® with many added maintenance features to enhance serviceability.

Today, Gorman-Rupp self-priming pumps are the world's leading choice for waste handling applications in industries such as steel and paper mills, mining operations, food processing plants, power plants, automotive factories, tanneries and wineries. They are also the pump of choice in many sewage-handling applications worldwide.

Gorman-Rupp's commitment to our original philosophy of innovation, continuous improvement, unparalleled quality and customer service continues to set us apart from others.

# OUR PUMPS DELIVER DECADES OF PERFORMANCE AND VALUE.

*Gorman-Rupp is committed to meeting your fluid-handling requirements long after installation. The quality manufacturing and testing that go into every Super T Series® pump guarantee long-lasting, trouble-free operation. And we provide a five year warranty and fast parts service to back up our products and ensure your peace of mind.*

*Make Gorman-Rupp  
Your Single Source For:*

## Value

Super T Series® pumps boast some of the lowest lifecycle costs in the industry. Because of the quality manufacturing and testing that goes into every Gorman-Rupp product, you benefit from minimal service interruptions and some of the lowest maintenance in the industry. Gorman-Rupp delivers the best ROI by ensuring low operating costs for decades.

## Parts and Service

When you need a replacement part for your Super T Series, you'll have it fast. With tens of thousands of genuine Gorman-Rupp parts and pumps at our disposal, we fill and ship 97% of parts orders within 24 hours. Should your Super T Series pump or ReliaSource® pump package ever require service, our worldwide network of factory-trained distributors is ready to quickly respond to your needs. With just one number to call for parts and service for your entire lift station, it's easy and convenient to keep your equipment performing as it should.

## Peace of Mind

At Gorman-Rupp, we don't just say our pumps are reliable. Unlike standard 90-day or one-year warranties, we guarantee every part and working component of a Super T Series pump for a full five years. With Gorman-Rupp, reliable performance is always guaranteed.



# SUPER T SERIES®

## Self-Priming, Solids-Handling Trash Pumps



### Superior Solids-Handling

Designed for economical, trouble-free operation, the superior solids-handling capabilities of Super T Series® pumps make them ideally suited for a variety of applications including solids-laden liquids and slurries. The large volute design allows automatic repriming in a completely open system without the need for suction or discharge check valves.

Available in discharge sizes of three, four, six, eight and ten inches, this line of self-priming pumps boasts capacities to 3400 gallons per minute (214.5 liters per second) and heads to 148 feet (45 meters). Pumps four inch and larger are engineered to allow up to three-inch diameter spherical solids to pass through any critical area, including the recirculation port.

Super T Series pumps are available in several configurations, including a "B" version for higher head applications, close-coupled electric or engine-driven models. All Gorman-Rupp Super T Series pumps are backed by a five-year manufacturer's warranty.

### Easy To Maintain

Super T Series pumps are designed with ease of service in mind. Because they are self-priming, they can be mounted high and dry above the liquid being pumped. Should service or maintenance be required, it can be easily performed using common hand tools without disconnecting piping. The impeller, seal, wear plate and flap valve can all be accessed through the shimless coverplate opening for inspection or service.\*

All Super T Series pumps can be installed on an OEM base and coupled to a standard NEMA motor, which means there's no waiting for special motors.

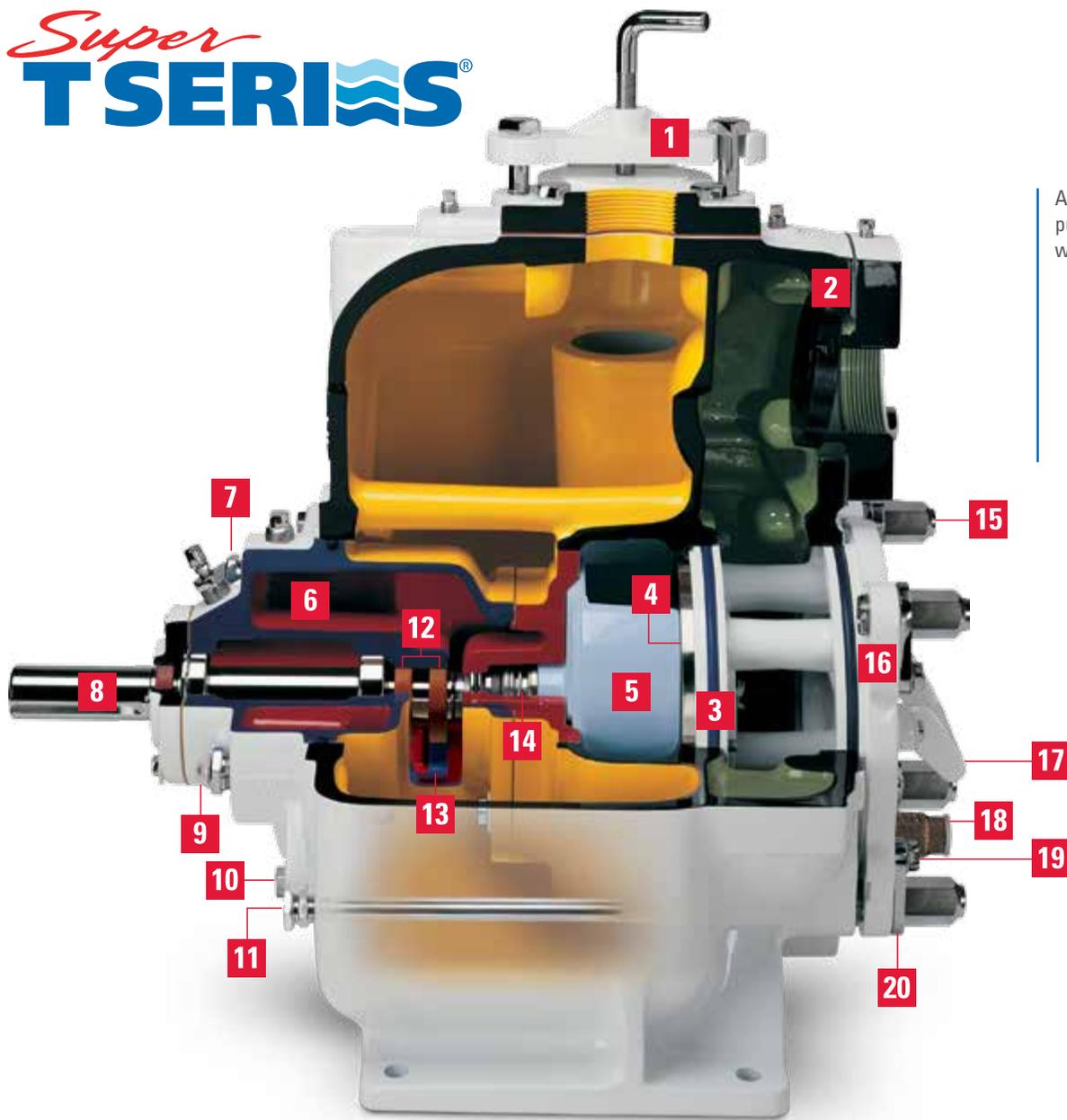
### G-R Hard Iron

G-R Hard Iron is offered as an option for our popular Super T Series pumps and is available for abrasive applications. For years, Gorman-Rupp has proclaimed the benefits of G-R Hard Iron. This durable material provides superior performance by extending the pump life up to six times over standard cast iron or ductile iron components. G-R Hard Iron has a measured hardness in excess of 400 Bhn (Brinnell), providing the best abrasion resistance for nearly all pumping applications.

*\*Not available on ten-inch models.*



Model shown with optional flange connections



All Super T Series® pumps come standard with a five-year warranty.



- 1–Fill Port
- 2–Suction Check Valve
- 3–O-Ring Seal
- 4–Replaceable Wearplate, Optional Self-cleaning Wearplate
- 5–Balanced Impeller
- 6–Oversized Seal Oil Chamber
- 7–Seal Oil Monitor
- 8–Removable Rotating Assembly
- 9–Bearing Oil Monitor
- 10–Pusher Bolt Capability
- 11–Optional Casing Heater
- 12–Double Lip Seals
- 13–Atmospheric Bearing Isolation
- 14–Cartridge Mechanical Seal
- 15–Easy-Off Coverplate Nuts
- 16–Removable Coverplate
- 17–Easy-Grip Handle
- 18–Pressure Relief Valve
- 19–Pusher Bolt Capability
- 20–Shimless Coverplate Adjustment

### Specifications

Pump Size: 3" (75 mm), 4" (100 mm), 6" (150 mm), 8" (200 mm), 10" (250 mm)  
 Max. Capacity: 3400 GPM (214.5 lps)  
 Max. Solids: 3" (76.2 mm)  
 Max. Head: 130' (39.6 m)  
 Materials of Construction: Cast Iron, 316 Stainless Steel Fitted, CD4MCu, G-R Hard Iron Fitted

# ECONOMICAL OPERATION EASY TO SERVICE



*Gorman-Rupp's patented external shimless adjustment design doubles the life of the impeller and wearplate.*

The external shimless coverplate allows for easy adjustment of the clearance between the impeller and the wearplate. This process eliminates the need to realign belts, couplings or other drive components. In turn, the working height of the seal assembly and impeller back clearance are not disturbed. The unique collar and adjusting screw allow for incremental adjustments of the wearplate clearance.

Once adjustments have been made, the collar locks in place, maintaining the clearance setting even if the coverplate is removed. This design feature doubles the life of the impeller and wearplate while maintaining peak operating efficiency.



## Easily Removable Coverplate

The removable coverplate with easy-grip handle and pusher bolt capability provides quick and easy access to the pump interior (not available on 10" models).

## Solids-Handling Impeller

Two-vane, semi-open solids handling impeller handles up to 3" (76.2 mm) diameter solids, depending on pump model. Pump out vanes on the impeller shroud reduce foreign material buildup behind the impeller and reduce pressure on seal and bearings. Multi-vane impellers are available in "B" hydraulics models for higher head applications with limited solids.

## Gorman-Rupp Cartridge Seal

Exclusive double-floating, self-aligning, oil lubricated mechanical cartridge seal with stationary and rotating face of silicon carbide or tungsten titanium carbide is specifically designed for abrasive and/or trash handling service. Consult the factory for additional seal configurations.

## Removable Rotating Assembly

The entire rotating assembly can be removed without disturbing the pump volute or piping. Pusher bolt holes are provided to assist with removal. This allows for quick and easy installation of a spare rotating assembly, resulting in less downtime.

## Dual Bearing Protection

An atmospheric barrier along with two lip seals provide additional protection of the pump bearings. This unique design also allows for quick and easy external monitoring of the bearing cavity.



# GORMAN-RUPP SUPER T SERIES®

*The Right Pump For The Job*

Gorman-Rupp Super T Series® pumps are available in five sizes and multiple drive variations. When space is critical, flex-coupling can be used to solve “tight-fit” problems. V-belt configurations offer the advantage of flexibility in speed selection and usually provide maximum operating speed for the required head and capacity without trimming the impeller. Super T Series pumps are also available with diesel or natural gas powered engines, or as part of a packaged pumping station.

## Basic Pump



**Super T Series®**  
Size: 3" (75 mm)  
Shown with optional flanges



**Super T Series®**  
Size: 4" (100 mm)  
Shown with optional flanges



**Super T Series®**  
Size: 6" (150 mm)  
Shown with optional flanges



**Super T Series®**  
Size: 8" (200 mm)  
Shown with optional flanges



**Super T Series®**  
Size: 10" (250 mm)

## Drive Variations



**Super T Series®**  
Flex-coupled



**Super T Series®**  
V-belt driven



**Super T Series®**  
Engine driven  
Shown with optional wheel kit



**Super T Series®**  
ReliaSource® Packaged  
pumping station



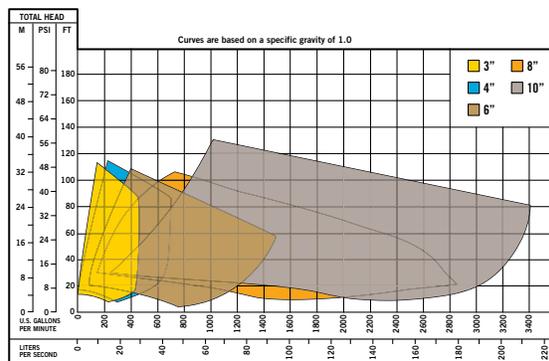
**Super T Series®**  
ReliaPrime™ sound-  
attenuated back-up system

## Optional Accessories

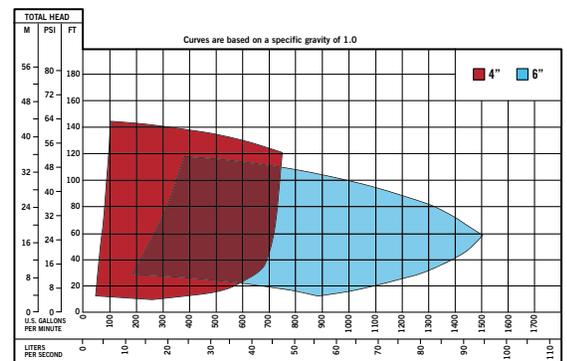
- Self-Cleaning Wear Plate
- Volute Casing Heater
- Air Mate® Automatic Air Release Valve
- Discharge Check Valve
- Pump High-Temperature Shutdown Kit
- G-R Hard Iron Casings (3", 4" and 6" models)
- High Chrome Impellers (+600 Bhn, limited pump sizes)
- Suction & Discharge Gauge Kits
- Complete Replacement Rotating Assembly
- Pump Spare Parts Kit
- Continuous Vane Impeller (10" model only)
- Pump Easy Drain Kit
- Optional Elastomers and Suction Flap Valve Materials (EPDM, Neoprene, AFLAS-TFE, Viton®\*)
- Custom Seal Options including: Flush Kits, Metal Bellows, Double and Chemical Duty Seals, and John Crane Type 9 Mechanical Seals (limited pump sizes)

## Pump Performance Data

"A" Version



"B" Version – Limited Solids



**NOTE:** Consult factory for other performance conditions.

\*Viton® is a registered trademark of DuPont Performance Elastomers. All rights reserved.

# FLUID HANDLING EQUIPMENT DESIGNED WITH YOUR NEEDS IN MIND.

*Make Gorman-Rupp your single source for pumping satisfaction today.*

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|---|---|--|---|
| <p>★ <b>Manufacturing Facilities</b></p> <p>● <b>Distribution Centers</b></p> <p><b>The Gorman-Rupp Company</b><br/>Mansfield, Ohio, USA</p> <p><b>Mansfield Division</b><br/>Mansfield, Ohio, USA</p> <p><b>Gorman-Rupp International</b><br/>Mansfield, Ohio, USA</p> <p><b>Gorman-Rupp Industries</b><br/>Bellville, Ohio, USA</p> | <p><b>Patterson Pump Company</b><br/>Toccoa, Georgia, USA</p> <p><b>American Machine and Tool Co., Inc. of Pennsylvania</b><br/>Royersford, Pennsylvania, USA</p> <p><b>National Pump Company</b><br/>Fresno, California, USA<br/>Glendale, Arizona, USA (Headquarters)<br/>Lubbock, Texas, USA<br/>Olive Branch, Mississippi, USA<br/>Vienna, Georgia, USA<br/>Zolfo Springs, Florida, USA</p> | <p>★</p> <p><b>Gorman-Rupp Africa</b><br/>Cape Town, South Africa<br/>Durban, South Africa<br/>Johannesburg, South Africa (Headquarters)</p> <p><b>Gorman-Rupp Europe</b><br/>Leeuwarden, Netherlands</p> <p><b>Patterson Pump Ireland Limited</b><br/>County Westmeath, Ireland</p> <p><b>Gorman-Rupp of Canada Limited</b><br/>St. Thomas, Ontario, Canada</p> | <p><b>Distribution Centers</b></p> <p>Bangkok, Thailand<br/>Dubai, United Arab Emirates<br/>Grand Prairie, Texas, USA<br/>Leeuwarden, Netherlands<br/>Sparks, Nevada, USA</p> |
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Engineering and manufacturing superiority has been a 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](http://GRPUMPS.COM)



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