S SERIES®

Submersible,
Dewatering Pumps

GORMAN-RUPP
PUMPS
The Pump People®

A HISTORY OF INNOVATION

Gorman-Rupp submersible pumps incorporate design experience stretching back to 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.

While much of Gorman-Rupp's reputation has been built on the success of our self-priming pumps, we have been producing high-quality, long-lasting submersible pumps since 1960.

Gorman-Rupp submersible dewatering pumps have become the pump of choice for many mines, quarries, pits and construction sites due to their superior performance range and durability.

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

DELIVERING 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 dewatering submersible pump guarantee long-lasting, trouble-free operation. And we provide industry-leading warranty and service to support our products and ensure your peace of mind.

Reliably Handling Your Dewatering Needs:

Maximum Versatility

Dewatering needs are never one-size-fits-all. Gorman-Rupp Submersible Dewatering Pumps are designed to deliver maximum versatility with your requirements in mind.

- **Staged Operation –** The discharge of one pump can be connected to the suction of another for tandem operation to effectively double the head at a given flow.
- **Portability –** A control panel with an on-off switch and overload protection is standard on all Gorman-Rupp submersible dewatering pump models. A flip of the switch puts the pump to work immediately.
- **Standard Parts –** Gorman-Rupp submersible pumps are manufactured with standard parts, so there is never a need to wait weeks for special cables or parts. When required, service can be completed quickly and easily with common hand tools. The easy-to-service design permits removal of suction heads and impellers without complete disassembly of the pump.

In-line staged submersible pump increases pumping distance.

Durable Design

MAXIMUM MOTOR COOLING EXTENDS PUMP LIFE

- **Top Discharge –** Fluid flow between the inner and outer walls of the motor housing cools the motor and prevents overheating.
- **Oil-Filled Motor –** Motor cavity filled with oil aids in transferring heat away from the motor.

MOTOR PROTECTION PROVIDES ROBUST PERFORMANCE

- **Impeller Design –** The fully shrouded impeller back reduces seal pressure and helps prevent foreign material from entering the seal cavity, extending seal life and, in turn, the operational life of the pump.
- **Dual Seals –** A primary seal keeps pumped media in the pump end and prevents contamination of the oil cavity. A second "fail safe" seal provides extra protection against the possibility of damage to the motor. Positive oil lubrication enables the pump to run dry without seal damage.

MATERIAL SELECTION PREVENTS PREMATURE WEAR

- **Rugged Impellers –** Abrasion-resistant ductile iron and manganese bronze impellers stand up to most abrasive materials found in dewatering situations.
- **Stainless Steel Shaft and Hardware –** Pump rotor shafts and exposed internal fasteners are made of stainless steel to avoid corrosion and pitting.
- **Optional Materials –** When extremely abrasive or corrosive conditions arise, optional G-R Hard Iron and hardened Stainless Steel wet end components are available.

Designed To Handle The Toughest Jobs

Whether suspended above the soft, murky bottom of a cofferdam or churning away deep inside a strip mine, tunnel, or quarry, Gorman-Rupp S Series Widebase submersible dewatering pumps tackle the big jobs.

Where large solids passage is not required, these versatile models offer high-head, high-volume operation and stand up to the worst conditions. S Series Widebase submersible pumps are built to operate quietly, effectively and safely. The wide, solid base helps prevent pumps from turning into the ground or pumping into a hole.

S SERIES WIDEBASE

Submersible Dewatering Pumps

Gorman-Rupp widebase submersibles tackle the toughest jobs. These models offer higher head and volume operation, and stand up to the abuses of the worst conditions.

Pump Specifications

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 SUBMERSIBLE DEWATERING PUMPS

The Right Pump For The Job

01 | Stainless Steel Lifting Bail
Allows for easy installation and removal at the job site

02 | Discharge

S & SM Series Slimline Pumps
Sizes 2", 3", 4" and 6" with solids-handling up to .5" diameter

S Series Widebase Pumps
Sizes 2", 3", 4", 6", 8" and 12" with solids-handling up to 1" diameter

03 | 60 Hz Electric Motor
Available in 1-60 HP, 1 and 3 phase and 115, 200, 230, 460 and 575 voltage

04 | Dual Mechanical Seals
Protect motor from contamination

05 | Polyurethane Durablue™ Seal Plate*
Provides abrasion resistance and longer pump life

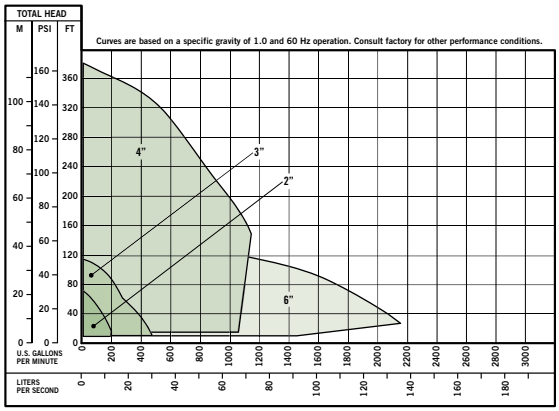
06 | Ductile Iron Impeller
Stands up to gravel, sand and other abrasives and prevents foreign material from entering pump cavity

07 | Integral Suction Strainer
Stops large solids from entering the pump

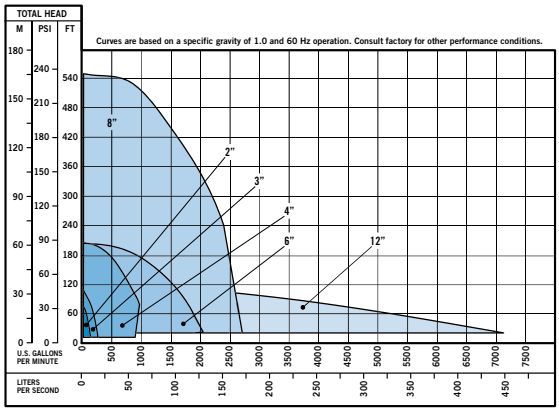
**Slimline models only*

Pump Performance Data

S Series – Slimline



S Series – Widebase



Gorman-Rupp S Series submersible pumps are specifically engineered for efficient and economical dewatering. These pumps operate quietly under the surface, making them less prone to vandalism and weather conditions than above-ground pumps. When it's dependability you need, you can count on Gorman-Rupp submersible pumps.

S SERIES SLIMLINE

Submersible Dewatering Pumps

Pump Specifications

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

Gorman-Rupp slimline submersibles are ideal for drilled wells and narrow openings.

Fitting In Where You Need Them

For drilled wells, narrow cofferdams and hard-to-reach locations, Gorman-Rupp's S Series Slimline submersible dewatering pumps are lighter and easier to handle than widebase models. Design of the S Series Slimline is especially suited for use where space is limited, allowing these pumps to go where others cannot. To create additional weight reduction, several models are available with DuraBlue™ suction head, seal plate and diffuser as standard.

Gorman-Rupp Durablue™

Polyurethane seal plate, diffuser and suction head are specially designed for submersible pumps. Several S Series Slimline models are available with DuraBlue urethane for longer life and increased abrasion resistance.

SM SERIES

MSHA-Approved Submersible Mine Pumps

Working Hard In Hazardous Locations

The SM Series is a full line of submersible pumps approved by the Mine Safety and Health Administration (MSHA) and the Commonwealth of Pennsylvania for use in gassy mines or tunnels. SM Series pumps offer the same benefits and dimensions as S Series Slimline pump models.

Safe, Reliable Pumping

- **Explosion Proof Motors** – These motors are specifically designed for vertical submersible pumps and meet all MSHA requirements.
- **Controls** – All MSHA submersible pumps are equipped with a NEMA Type 10 explosion-proof control box. Enclosures are constructed of lightweight cast aluminum and are equipped with hydraulic/magnetic fast-trip circuit breakers for thermal and overload explosion-proof protection. When automatic operation is required, an optional intrinsically safe float controller is available.

Mine Safety and Health Administration (MSHA) approved submersibles work to keep gassy mine operations running smoothly and hazard free.

Pump Specifications

SM Series **MSHA Approved**

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

FLUID-HANDLING EQUIPMENT DESIGNED WITH YOUR NEEDS IN MIND

★ Manufacturing Facilities
● Distribution Centers

Gorman-Rupp USA
Mansfield, Ohio, USA

Gorman-Rupp Canada
St. Thomas, Ontario, Canada

Gorman-Rupp Europe
Culemborg, 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
Culemborg, Netherlands

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.

ISO 9001:2008 REGISTERED COMPANY
GORMAN-RUPP PUMPS USA

ISO 14001:2004 REGISTERED COMPANY
GORMAN-RUPP PUMPS USA

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