

# SUBMERSIBLE PUMPS



**GR**<sup>®</sup>  
**GORMAN-RUPP**  
**PUMPS**  
*The Pump People™*

# Dependable High-Head and High-Volume Performance



## COUNT ON GORMAN-RUPP SUBMERSIBLE PUMPS

Gorman-Rupp submersible pumps incorporate design experience stretching back to 1933. They are specifically engineered for efficient and economical dewatering.

These pumps overcome the conventional limitation of a 25' (7.6 m) suction lift, making them ideal for high-head applications. They quietly operate unattended under water, making them less prone to damage by vandals or weather than above-ground pumps.

Gorman-Rupp offers over 400 submersible pump models, including Widebase models for open pits and quarries; Slimline models for drilled wells and narrow openings; trash-handling models for slurries and debris-laden water; and smaller, portable and sump models for general purpose use.

Our pumps range in size from 1-1/2" (37.5 mm) to 20" (500 mm), with capacities to 15,000 GPM (950 lps) and heads to 600' (183 m). They will operate fully or partially submerged and work equally well in warm or subfreezing conditions.

When you need dependability, you can count on Gorman-Rupp submersible pumps.

## S Series® Widebase Submersible Pumps



Gorman-Rupp Widebase submersible pumps tackle the big jobs. Where large solids are not a problem, these versatile models offer high-head, high-volume operation and stand up to the abuses of the worst conditions. Whatever the application – general construction, strip mining, tunnel work or general purpose – Gorman-Rupp Widebase pumps are built to operate quietly and effectively.

## S Series® Slimline Submersible Pumps



For drilled wells, narrow cofferdams and hard-to-reach places, Gorman-Rupp's Slimline submersible pumps are lighter and easier to handle than their larger Widebase cousins. Even so, there is a strong family resemblance: Gorman-Rupp puts extra protection into the seals, and the impellers are rugged and dependable.

### ROUND-THЕ-CLOCK, UNATTENDED OPERATION

Most pumping jobs continue after the crew goes home, and that makes submersible pumps a valuable tool. Left unattended for hours, they quietly work overtime. Models are available in electric- or hydraulic-powered configurations.

### SUBMERSIBLE PUMPS GO WHERE OTHERS CANNOT

Submersible pumps excel in pumping water from narrow cofferdams and deep excavations, and they can be used in drilled wells and utility tunnels where it is difficult for workmen to start a conventional pump. In areas where flooding may knock out an above-ground pump, they continue pumping without interruption.



### TANDEM 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.

### EASY START. HIGH AND DRY ABOVE THE LIQUID

A control panel with an on-off switch and overload protection is standard on all Gorman-Rupp submersible models. Just flip the switch, and the pump immediately goes to work.

### NO SUCTION LIMITATIONS

Submersible pumps have no suction or priming problems. They have no suction hose, so they are simple to use. Just submerge the pump and turn it on – it will provide higher heads for greater lifts than above-ground pumps of comparable size.

### SERVICEABILITY. 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 to arrive. If service is required, it 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.

### STAINLESS STEEL FITTED MODELS FOR CORROSIVE APPLICATIONS

Stainless steel fitted pumps are available for most corrosive and abrasive applications. The impeller, diffuser, suction head and wearplate are constructed of corrosion-resistant CD4MCu (except models S3B18 and S3C18 which have urethane-lined suction heads and seal plates). ADI is also available on many models.



The diffusers, suction heads and wear plates on models S4E1-E20, S4E1-E30, and S4J1-E60 are supplied with abrasion-resistant urethane as standard.

## HS Series® Hydraulic Submersible Pumps



Gorman-Rupp hydraulic submersible pumps are designed for trash-handling, dewatering applications and for pumping sludges and slurries such as mining and paper plant wastes. They are also excellent for pumping sewage from digester and holding tanks as well as sewer bypass. These units are specially designed for applications where electricity is hazardous.

## J Series® Submersible Trash Pumps



Excellent for sewage bypass and other solids-handling applications. Gorman-Rupp has many models of J Series submersible pumps. These pumps are available with 3" (75 mm) to 20" (500 mm) discharge sizes, capacities to 15,000 GPM (950 lps) with heads to 265' (81 m) and power ratings from 2.7 to 215 HP.

## Off-The-Shelf Submersible Pumps



OTS (Off-The-Shelf) submersible pumps make dewatering your job site quick and easy. Ideal for dewatering trenches, footers, manholes and sumps, these pumps can reach places larger pumps cannot fit.

## Submersible Controls

Control boxes with short circuit and overload protection are available for all Gorman-Rupp submersible models\*.

Rainproof NEMA 3R control boxes are prewired for optional low-voltage liquid level switches. Automatic liquid level controls are available for 115 and 230 volt single-phase applications, and 230, 460 or 575 three-phase applications.

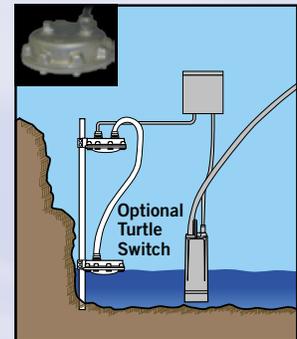
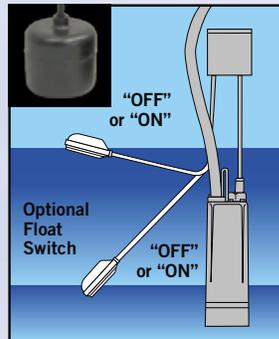


\*Optional on J Series

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## Optional Liquid Level Controls



Gorman-Rupp offers two options for applications requiring liquid level monitoring; both can be used to shut off your pump when a tank or reservoir is filled or when a sump is empty. Contact your local distributor for complete information on the installation and operation of liquid level controls.

For more information on Gorman-Rupp submersible pumps, please visit us on the web at [www.GRpumps.com](http://www.GRpumps.com)



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