S SERIES

Submersible, Dewatering Pumps

GORMAN-RUPP PUMPS

The Pump People®

A History Of Innovation

Gorman-Rupp submersible pumps incorporate design experience from 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.

Dependable and Efficient

Submersible pumps are often used to move slurry, and transfer industrial process fluids. They are designed to be durable and withstand the harsh conditions associated with submersion. Gorman-Rupp offers over 150 models in various sizes and capacities to meet the needs of different applications.

Delivering 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 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.

S Series pumps boast some of the lowest life cycle costs in the industry. Because of the rigorous testing that goes into every Gorman-Rupp product, you benefit from minimal service interruptions and low maintenance.

When you need a replacement part, you'll have it fast. Gorman-Rupp stocks tens of thousands genuine OEM replacement parts and ships most orders within 24 hours of placement. Should your pump 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, it's easy and convenient to keep your equipment performing as it should.

Reliably Handling Your Dewatering Needs

Durable Design

The life of a Gorman-Rupp submersible pump is extended with maximum motor cooling. The top discharge allows fluid to flow between the inner and outer walls of the motor housing which cools the motor and prevents overheating. An oil-filled motor cavity aids in transferring heat away from the motor.

Robust Performance Under Pressure

Superior motor protection ensures the performance of the Gorman-Rupp pump is top notch.

Impeller Design

The fully shrouded, abrasion-resistant ductile iron and manganese bronze impeller reduces seal pressure and helps prevent foreign material from entering the seal cavity. This extends 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 possible damage to the motor. Positive oil lubrication enables the pump to run dry without seal damage.

Material Selection Prevents Premature Wear

For those extreme-duty applications, Gorman-Rupp pumps will get the job done time after time. The careful selection of material guards against premature wearing of the pump and its components.

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.

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 of effectively double the head at a given flow.

Portability

Control panels with on-off switches and overload protection are standard on all Gorman-Rupp submersible dewatering pump models. The 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.

S Series Submersible Dewatering Pump Features

Stainless Steel Lifting Bail

Allows for easy installation and removal at the job site

Top Discharge

Sizes from 2" to 12" with capability of passing solids up to 1"

60 Hz Electric Motor

Available in 1-60 HP, 1 and 3 phase and 115, 200, 230, 460 and 575 voltage

Polyurethane Durablue™ Seal Plate

Provides abrasion resistance and longer pump life. Available in Slimline models only

Dual Mechanical Seals

Protect motor from contamination

Ductile Iron Impeller

Stands up to gravel, sand and other abrasives and prevents foreign material from entering pump cavity

Integral Suction Strainer

Stops large solids from entering the pump

Specifications

Pump Size: 2" (50 mm), 3" (75 mm), 4" (100 mm), 6" (150 mm), 8" (200 mm), 12" (300 mm)
Max Capacity: 7100 GPM (448 lps)
Max Head: 585' (178 m)
Max Solids: 1" (25 mm)
Horsepower: 1 HP – 275 HP (.75 kW – 205 kW)
Materials of Construction: ADI, Aluminum, Cast Iron, Ductile Iron, CD4MCu

Gorman-Rupp Submersible Dewatering Pumps

S Series Widebase

S Series
Widebase

Size: 2” (50 mm) to 12” (300 mm)
Max Capacity: 7100 GPM (448 lps)
Max Head: 585’ (178 m)
Max Solids: 1” (25 mm)
Horsepower: 2 HP - 275 HP (2 kW – 205 kW)

Designed To Handle The Toughest Jobs

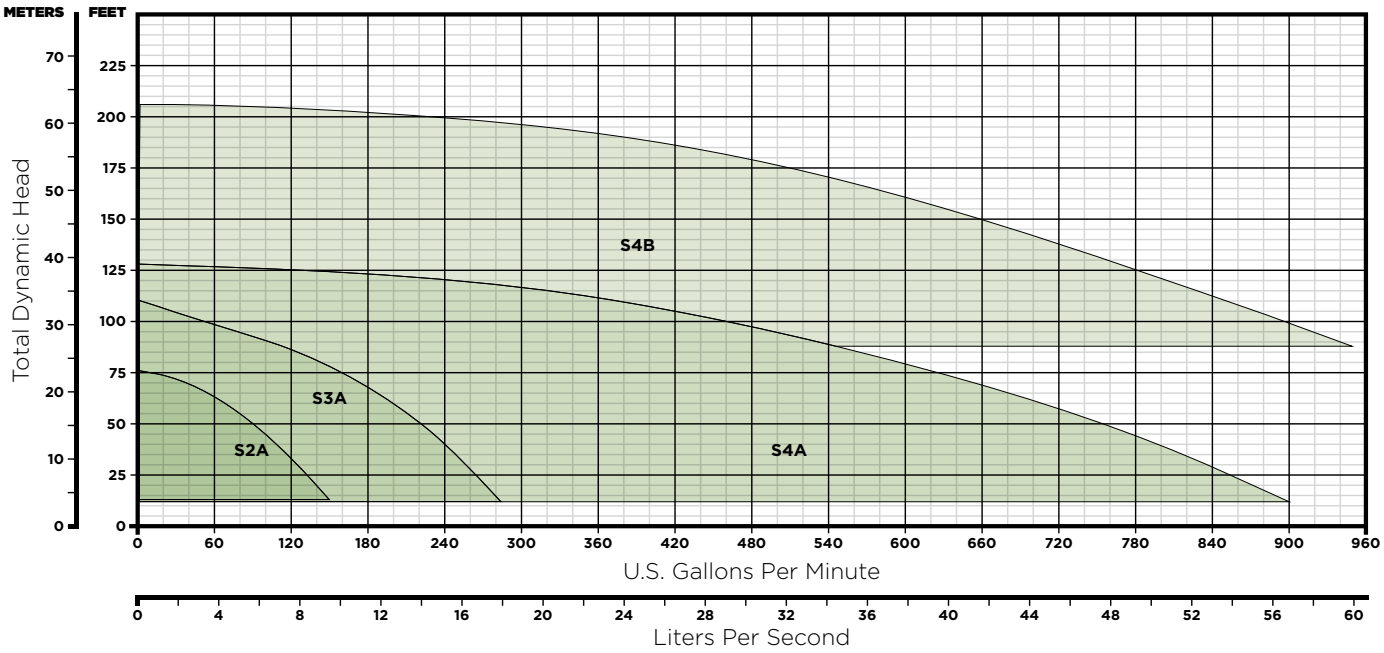
Whether suspended above the soft, murky bottom of a cofferdam or churning away deep inside a strip mine, tunnel or quarry, Gorman-Rupp S Series Widebase submersible dewatering pumps tackle the big jobs.

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.

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.

Widebase Dewatering Pumps Designed To Handle The Toughest Jobs

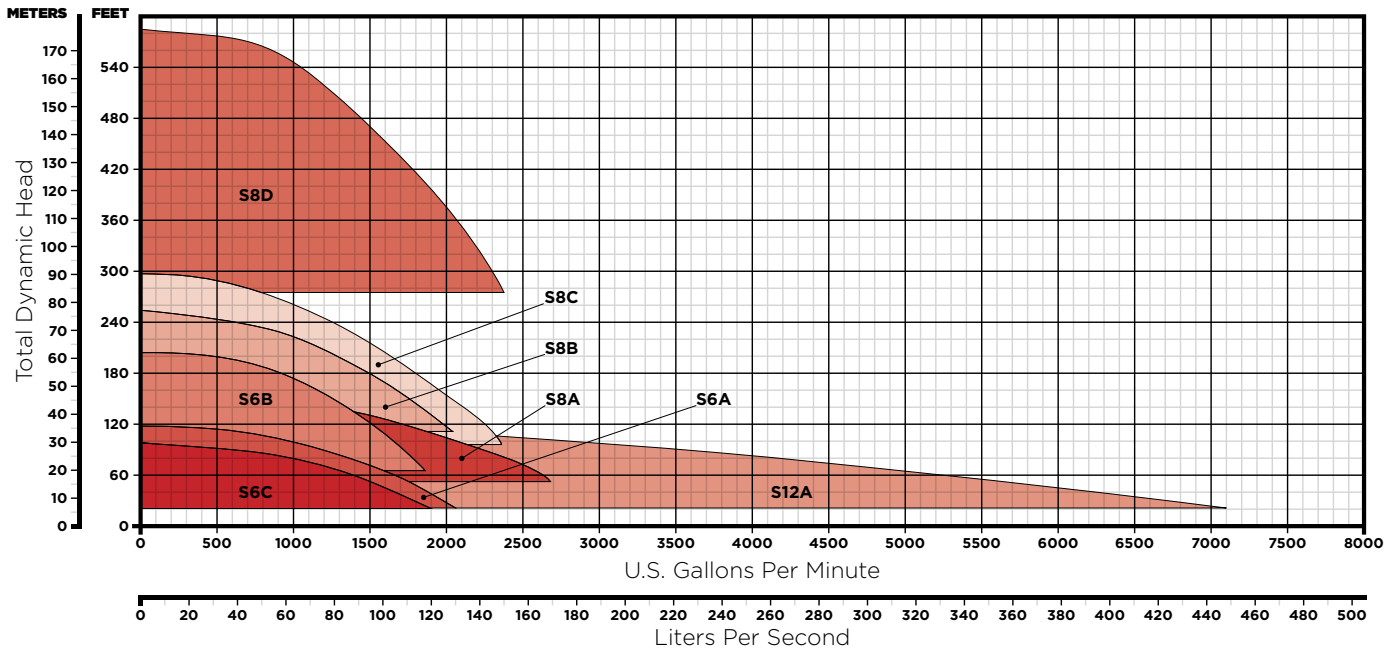
2”, 3” & 4” Widebase Models



Operating Ranges

Model	Size (Suc. x Dis.)	Max. Capacity	Max. Head	Max. Solids	HP (kW)	Construction
S2A	2” x 2” (50 mm x 50 mm)	150 GPM (10 lps)	76’ (23 m)	.31” (8 mm)	2 (2)	Ductile Iron
S3A	3” x 3” (75 mm x 75 mm)	284 GPM (18 lps)	110’ (34 m)	.38” (10 mm)	5 (4)	Ductile Iron
S4A	4” x 4” (100 mm x 100 mm)	900 GPM (57 lps)	128’ (39 m)	.63” (16 mm)	25 (19)	Ductile Iron
S4B	4” x 4” (100 mm x 100 mm)	950 GPM (60 lps)	206’ (63 m)	.63” (16 mm)	50 (37)	Ductile Iron

6”, 8” & 12” Widebase Models



Operating Ranges

Model	Size (Suc. x Dis.)	Max. Capacity	Max. Head	Max. Solids	HP (kW)	Construction
S6A	6” x 6” (150 mm x 150 mm)	2060 GPM (130 lps)	118’ (36 m)	1” (25 mm)	60 (45)	Ductile Iron
S6B	6” x 6” (150 mm x 150 mm)	1860 GPM (117 lps)	204’ (62 m)	1” (25 mm)	95 (71)	Ductile Iron
S6C	6” x 6” (150 mm x 150 mm)	1900 GPM (120 lps)	98’ (30 m)	.63” (16 mm)	35 (26)	Ductile Iron
S8A	8” x 8” (200 mm x 200 mm)	2680 GPM (169 lps)	158’ (48 m)	1” (25 mm)	95 (71)	Ductile Iron
S8B	8” x 8” (200 mm x 200 mm)	2040 GPM (129 lps)	254’ (77 m)	.63” (16 mm)	100 (75)	Ductile Iron
S8C	8” x 8” (200 mm x 200 mm)	2360 GPM (149 lps)	298’ (91 m)	.63” (16 mm)	140 (104)	Ductile Iron, CD4MCu
S8D	8” x 8” (200 mm x 200 mm)	2390 GPM (151 lps)	585’ (178 m)	.63” (16 mm)	275 (205)	Ductile Iron
S12A	12” x 12” (300 mm x 300 mm)	7100 GPM (448 lps)	132’ (40 m)	1” (25 mm)	140 (104)	Ductile Iron

Gorman-Rupp Submersible Dewatering Pumps

S Series Slimline

S Series
Slimline

Size: 2" (50 mm) to 6" (150 mm)
Max Capacity: 2160 GPM (136 lps)
Max Head: 385' (117 m)
Max Solids: 0.5" (13 mm)
Horsepower: 1 HP - 60 HP (1 kW – 45 kW)

Fitting 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. The 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.

Gorman-Rupp MSHA-Approved Submersible Mine Pumps

SM Series

SM Series
MSHA Approved

Size: 2" (50 mm) to 6" (150 mm)
Max Capacity: 2160 GPM (136 lps)
Max Head: 385' (117 m)
Max Solids: 0.5" (13 mm)
Horsepower: 1 HP - 60 HP (1 kW – 45 kW)

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

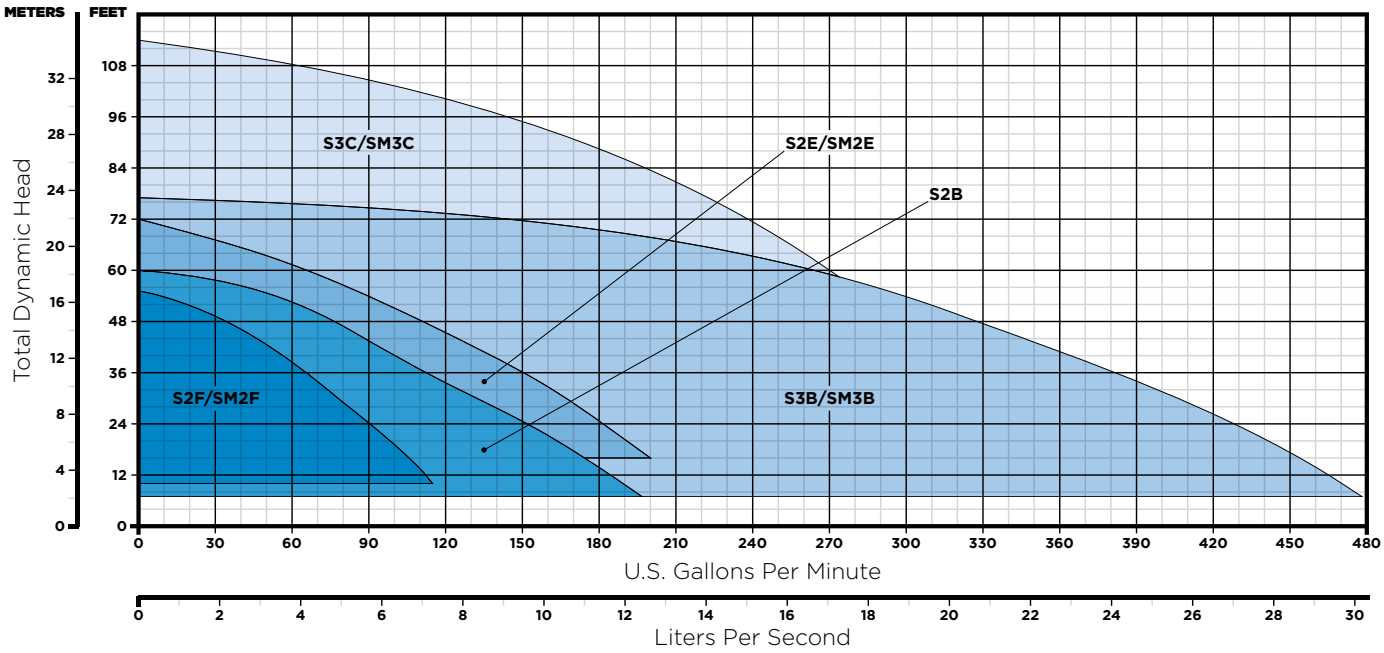
These motors are specifically designed for vertical submersible pumps and meet all MSHA requirements.

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.

Slimline Submersible Pumps Made To Fit Where No Other Pumps Can

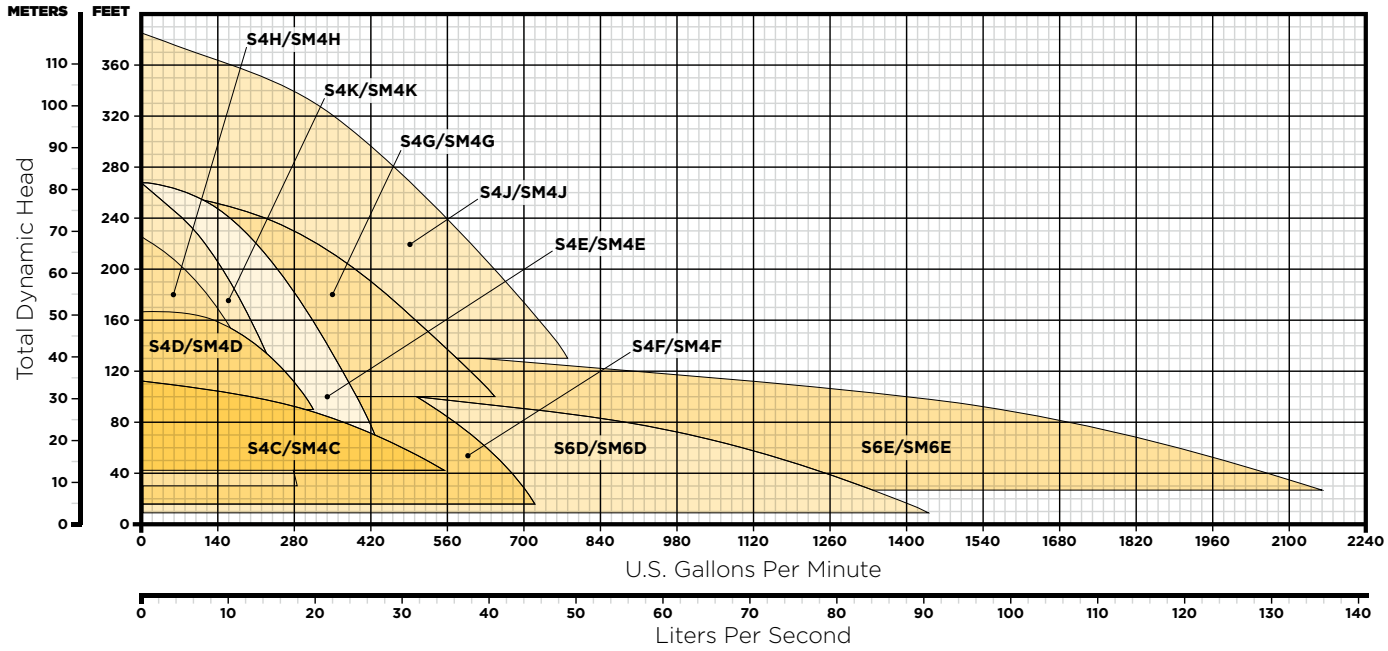
2” & 3” S Series Slimline & SM Series MSHA Approved Models



Operating Ranges

Model	Size (Suc. x Dis.)	Max. Capacity	Max. Head	Max. Solids	HP (kW)	Construction
S2B	2” x 2” (50 mm x 50 mm)	197 GPM (12 lps)	60’ (18 m)	.38” (10 mm)	2 (2)	Cast Iron, CD4MCu
S2E	2” x 2” (50 mm x 50 mm)	200 GPM (13 lps)	72’ (22 m)	.31” (8 mm)	3.5 (3)	Cast Iron, CD4MCu
S2F	2” x 2” (50 mm x 50 mm)	115 GPM (7 lps)	55’ (17 m)	.31” (8 mm)	1 (1)	Ductile Iron
S3B	3” x 3” (75 mm x 75 mm)	480 GPM (30 lps)	77’ (24 m)	.38” (10 mm)	6 (5)	Aluminum, CD4MCu
S3C	3” x 3” (75 mm x 75 mm)	360 GPM (23 lps)	114’ (35 m)	.38” (10 mm)	6 (5)	Aluminum, CD4MCu
SM2E	2” x 2” (50 mm x 50 mm)	200 GPM (13 lps)	72’ (22 m)	.31” (8 mm)	3.5 (3)	Cast Iron, CD4MCu
SM2F	2” x 2” (50 mm x 50 mm)	115 GPM (7 lps)	55’ (17 m)	.31” (8 mm)	1 (1)	Ductile Iron
SM3B	3” x 3” (75 mm x 75 mm)	480 GPM (30 lps)	77’ (24 m)	.38” (10 mm)	6 (5)	Aluminum, CD4MCu
SM3C	3” x 3” (75 mm x 75 mm)	360 GPM (23 lps)	114’ (35 m)	.38” (10 mm)	6 (5)	Aluminum, CD4MCu

4” & 6” S Series Slimline & SM Series MSHA Approved Models



Operating Ranges

Model	Size (Suc. x Dis.)	Max. Capacity	Max. Head	Max. Solids	HP (kW)	Construction
S4C	4” x 4” (100 mm x 100 mm)	554 GPM (35 lps)	112’ (34 m)	.38” (10 mm)	10 (8)	ADI, CD4MCu
S4D	4” x 4” (100 mm x 100 mm)	315 GPM (20 lps)	166’ (51 m)	.38” (10 mm)	10 (8)	ADI, CD4MCu
S4E	4” x 4” (100 mm x 100 mm)	450 GPM (28 lps)	268’ (82 m)	.38” (10 mm)	20 (15)	Aluminum
S4F	4” x 4” (100 mm x 100 mm)	720 GPM (45 lps)	170’ (52 m)	.38” (10 mm)	20 (15)	ADI
S4G	6” x 4” (150 mm x 100 mm)	646 GPM (41 lps)	262’ (80 m)	.50” (13 mm)	30 (22)	Aluminum
S4H	4” x 4” (100 mm x 100 mm)	284 GPM (18 lps)	225’ (69 m)	.38” (10 mm)	10 (8)	ADI, CD4MCu
S4J	6” x 4” (150 mm x 100 mm)	780 GPM (49 lps)	385’ (117 m)	.50” (13 mm)	60 (45)	Aluminum
S4K	4” x 4” (100 mm x 100 mm)	288 GPM (18 lps)	268’ (82 m)	.38” (10 mm)	15 (11)	ADI
S6D	6” x 6” (150 mm x 150 mm)	1440 GPM (91 lps)	144’ (44 m)	.50” (13 mm)	30 (22)	ADI
S6E	6” x 6” (150 mm x 150 mm)	2160 GPM (136 lps)	168’ (51 m)	.50” (13 mm)	60 (45)	ADI
SM4C	4” x 4” (100 mm x 100 mm)	554 GPM (35 lps)	112’ (34 m)	.38” (10 mm)	10 (8)	ADI, CD4MCu
SM4D	4” x 4” (100 mm x 100 mm)	315 GPM (20 lps)	166’ (51 m)	.38” (10 mm)	10 (8)	ADI, CD4MCu
SM4E	4” x 4” (100 mm x 100 mm)	450 GPM (28 lps)	268’ (82 m)	.38” (10 mm)	20 (15)	Aluminum
SM4F	4” x 4” (100 mm x 100 mm)	720 GPM (45 lps)	170’ (52 m)	.38” (10 mm)	20 (15)	ADI
SM4G	6” x 4” (150 mm x 100 mm)	646 GPM (41 lps)	262’ (80 m)	.50” (113 mm)	30 (22)	Aluminum
SM4H	4” x 4” (100 mm x 100 mm)	284 GPM (18 lps)	225’ (69 m)	.38” (10 mm)	10 (8)	ADI, CD4MCu
SM4J	6” x 4” (150 mm x 100 mm)	780 GPM (49 lps)	385’ (117 m)	.50” (13 mm)	60 (45)	Aluminum
SM4K	4” x 4” (100 mm x 100 mm)	288 GPM (18 lps)	268’ (82 m)	.38” (10 mm)	15 (11)	ADI
SM6D	6” x 6” (150 mm x 150 mm)	1440 GPM (91 lps)	144’ (44 m)	.50” (13 mm)	30 (22)	ADI
SM6E	6” x 6” (150 mm x 150 mm)	2160 GPM (136 lps)	168’ (51 m)	.50” (13 mm)	60 (45)	ADI

Gorman-Rupp Submersible Dewatering

SE Series Utility Pumps

SE Series submersible dewatering utility pumps are part of the OTS product line that can be purchased anytime, anywhere. These pumps are ideal for maximum portability and performance and are perfect for fitting in locations where space is a concern.

SE1 1/2F

SE1 1/2E

SE2J

SE2K

SE2P

SEC2A

Electric Submersible Pumps

Gorman-Rupp electric submersible utility pumps are designed for dewatering when solids are not a concern. Most models are equipped with a built-in strainer to prevent larger solids from entering the pump. Ideal for flooded basements, pools, spas, ponds, pits or anywhere else a pump can be lowered into water, these lightweight submersibles get the job done. Select models are equipped with a power cord and level controls.

Operating Ranges

Model	Size (Dis.)	Max. Capacity	Max. Head	Max. Solids	HP (kW)	Construction
SE1 1/2D	1.5” (40 mm)	55 GPM (4 lps)	28’ (9 m)	.25” (6 mm)	.3 (.22)	Plastic
SE1 1/2E	1.5” (40 mm)	73 GPM (5 lps)	33’ (10 m)	.75” (19 mm)	.5 (.37)	Plastic
SE1 1/2F	1.5” (40 mm)	43 GPM (3 lps)	26’ (8 m)	.38” (10 mm)	.3 (.22)	Aluminum
SE2J	2” (50 mm)	65 GPM (4 lps)	40’ (12 m)	.22” (6 mm)	.5 (.37)	Cast Iron
SE2K	2” (50 mm)	95 GPM (6 lps)	52’ (16 m)	.38” (10 mm)	1 (.75)	Cast Iron
SE2N	2” (50 mm)	66 GPM (4 lps)	31’ (10 m)	.15” (4 mm)	.5 (.37)	Cast Iron/Stainless Steel
SE2P	2” (50 mm)	82 GPM (5 lps)	51’ (16 m)	.15” (4 mm)	1 (.75)	Cast Iron/Stainless Steel
SE2M	2” (50 mm)	100 GPM (6 lps)	37’ (11 m)	.25” (6 mm)	.75 (.56)	Plastic
SE3A	3” (75 mm)	170 GPM (11 lps)	35’ (11 m)	.22” (6 mm)	1 (.75)	Cast Iron/Stainless Steel
SEC2A	2” (50 mm)	90 GPM (6 lps)	48’ (15 m)	.38” (10 mm)	1 (.75)	Cast Iron/Stainless Steel
SEC2B	2” (50 mm)	130 GPM (8 lps)	73’ (22 m)	.38” (10 mm)	2 (1.5)	Cast Iron/Stainless Steel
SEC3A	3” (75 mm)	216 GPM (14 lps)	68’ (21 m)	.38” (10 mm)	3 (2.2)	Cast Iron/Stainless Steel
SEC3B	3” (75 mm)	240 GPM (15 lps)	87’ (27 m)	.38” (10 mm)	5 (3.7)	Cast Iron/Stainless Steel
SEC4A	4” (100 mm)	452 GPM (29 lps)	78’ (24 m)	.38” (10 mm)	7.5 (5.6)	Cast Iron/Stainless Steel

After Sale Support

Gorman-Rupp products stand the test of time due to our quality manufacturing processes, rigorous product testing and extensive after sale support.

Product Support

Every pump manufactured by Gorman-Rupp is supported with reference information. Pump operation and maintenance manuals (including parts lists), specification data sheets, performance curves and outline drawings in PDF and CAD formats are available on our website or through your distributor for every pump.

Warranty

The warranties on Gorman-Rupp products are some of the best in the industry. Gorman-Rupp has you covered with warranties up to 60 months.

Education & Safety

Gorman-Rupp is committed to remaining at the forefront of the industry with technology and safety. Training videos, demos and in-person training sessions created for our distributors and end-users help to keep everyone up to date on the latest safety tips and pump maintenance.

Parts

When you need a replacement part, you'll have it fast. Gorman-Rupp is fully committed to keeping your equipment running long after installation and ensuring your pump or lift station continues to meet your requirements year after year. We sell parts through our network of distributors. Find a distributor in your area for assistance.

Service

Should your pump or lift station require service, our worldwide network of factory-trained distributors are ready to quickly respond. Our distributors have the expertise to support you and your pump or lift station long after installation.

Manufacturing Facilities

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

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.

GRPUMPS.COM

GORMAN-RUPP PUMPS
P.O. BOX 1217
MANSFIELD, OHIO 44901-1217 | USA
TEL: 419.755.1011 | FAX: 419.755.1251

GORMAN-RUPP PUMPS
The Pump People®

AV-02268_REV122024