

Super

The most

efficient,

self-priming

pumps available,

only from

Gorman-Rupp.



GR[®]
GORMAN-RUPP
PUMPS

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TM

Up to 75% Efficiency

Super U Series™ pumps are the most efficient self-priming, solids handling pumps available. Their unique volute casing design minimizes friction loss and drag. The multi-vane, open impeller is designed for high efficiency, yet can still handle solids up to 1-1/4" (31 mm) in diameter. Super U Series™ pumps not only deliver high efficiencies (up to 75%), they also perform efficiently across a broad operating range. Varying loads, which cause a pump to operate left or right of its best efficiency point on the operating curve, will reduce operating efficiency by only a very small percentage. The external shimless adjustment makes it easy to keep the pump in peak operating condition. Each size pump is available in two different design variations, "A" or "B" version.

Easy to Service

Super U Series™ pumps are designed with easy service in mind. Because they're self-priming, they can be mounted high and dry above the liquid being pumped. If service or maintenance is required, it's done quickly and easily with common hand tools. No need to "pull the pump" and waste hours or days of valuable man and machine time. Since there are no elongated shafts, a minimum of workspace is required. And, because all Super U Series™ pumps can be coupled to a standard NEMA motor, there's no waiting around for special motor parts.



**A Five-Year Warranty is Standard
On All Super U Series™ Pumps.**

Six High Performance Models to Choose From

Super U Series™ pumps are available in 3", 4" and 6" discharge sizes. They're capable of handling spherical solids up to 1-1/4" in diameter. There are two different pump design variations to choose from, the "A" or "B" versions. (Depending on installation requirements or performance needs.)

"A" Version

Highest Efficiency

The "A" version provides more efficiency than the "B" version because the liquid enters directly into the impeller eye.

Removable Spool Flange

A victaulic collar couples the suction extension to the removable coverplate for easy access to pump interior, should the pump need service.



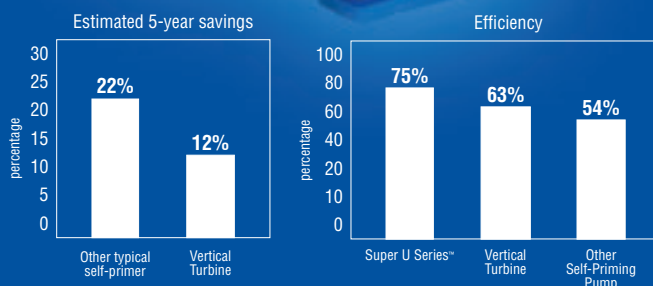
"B" Version

The "B" version of the Super U Series™ is dimensionally interchangeable (suction and discharge dimensions) with Gorman-Rupp Super T Series® pump models. A removable coverplate with easy-grip handle provides quick access to pump interior, should the pump need to be serviced.

Drive Variations

Gorman-Rupp Super U Series™ pumps are available as basic units for connection to customers' power or they may be flex-coupled or V-belt driven by an electric motor.

When space is critical, flex-coupling often solves the "tight-fit" problem. V-belt drive offers the advantage of flexibility in speed selection and usually provides maximum operating speed for required head and capacity without the need to trim the impeller. Various belt and sheave configurations are available.



The 5-year savings generated when you install a Super U Series™ High Efficiency Pump.

High Efficiency, Fast Service, Economical Operation.

Service and Maintenance Without Disconnecting Piping

Removable Coverplate with "Easy-Grip" Handle

If service is required, the removable coverplate with "easy-grip" handle and pusher bolt capability provides quick and easy access to the pump interior without disconnecting piping.* Clogs can be removed, and the pump can be returned to service in minutes. Impeller, seal, replaceable wearplate and suction check valve* can also be accessed through coverplate opening for inspection or service.

***"B" Version only.*

External shimless adjustment design doubles the life of the impeller and wearplate with the turn of a hand.

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 with the turn of a hand.

Once adjustments have been made, the collar locks in place maintaining the clearance setting even if the coverplate is removed.

This design doubles the life of the impeller and wearplate, and keeps the pump operating at maximum efficiency.

Multi-Vane High-Efficiency Solids Handling Impellers

Multi-vane, open impeller is designed for high efficiency. Constructed of ductile iron, the impeller will handle up to 1-1/4" (31 mm) diameter solids.

Removable Rotating Assembly

Inspection of pump shaft or bearings is easily accomplished without disturbing pump casing or piping by removing rotating assembly. Simply remove four bolts from the back or front*** of the pump and the entire assembly slides out.

****6" models only.*

Dual Protection of Bearings

Atmospheric isolation of seal cavity provides positive protection of bearings. This unique design also provides capabilities for external monitoring.

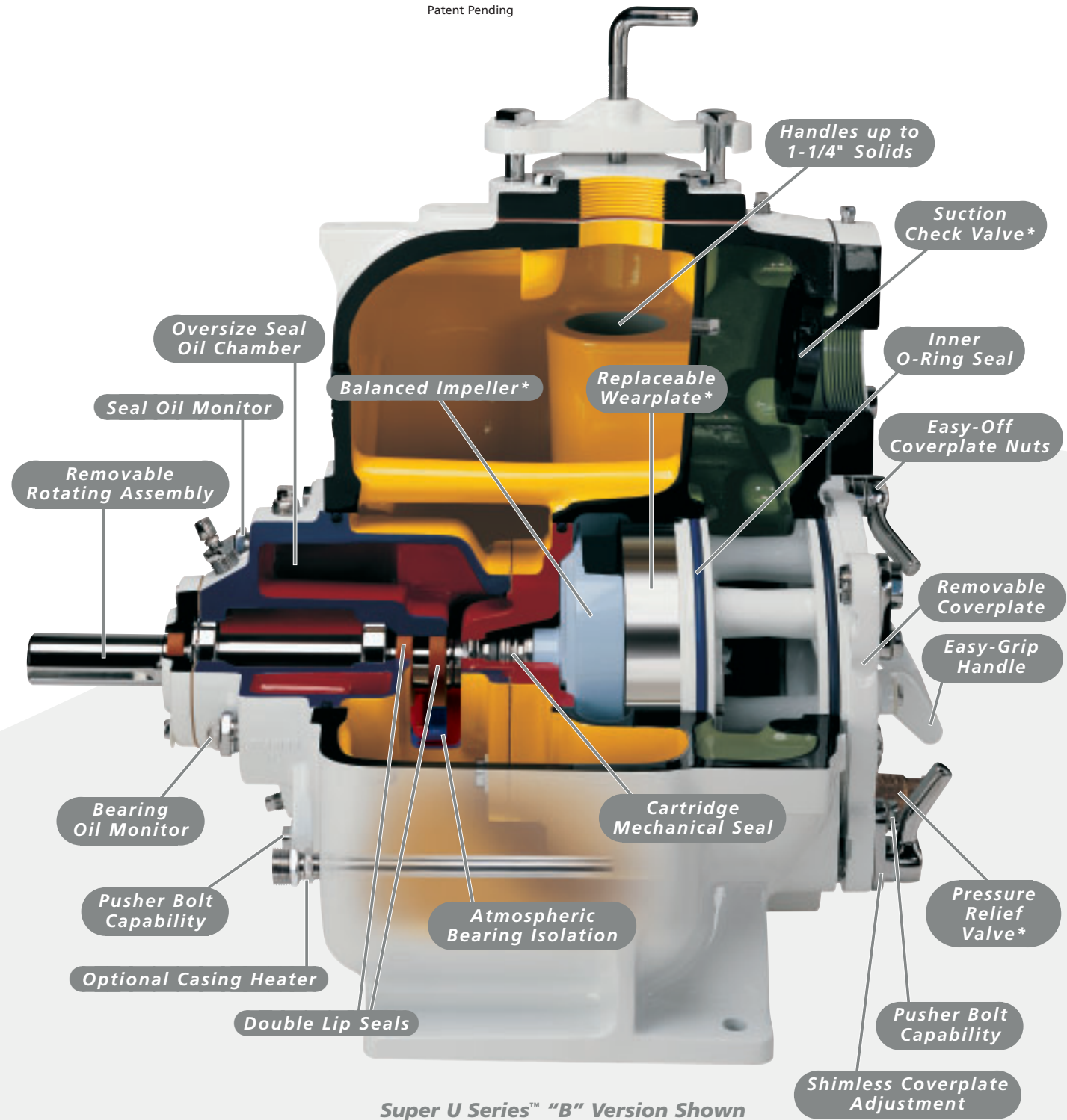
Exclusive Gorman-Rupp Cartridge Seal

Exclusive double-floating, self-aligning, oil lubricated mechanical cartridge seal with stationary and rotating face of silicon carbide is specifically designed for rugged, abrasive service.**

***Consult factory for special seal configuration.*

Super U SERIES™

Patent Pending



Super U Series™ "B" Version Shown

***"B" Version only.*

Six High-Efficiency Models to Choose From

Sizes	Materials of Construction	Max. Capacity	Max. Head	Max. Solids
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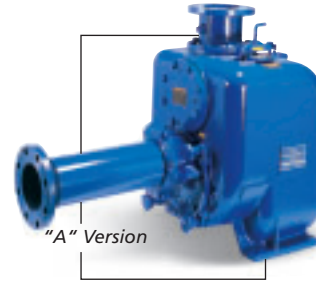
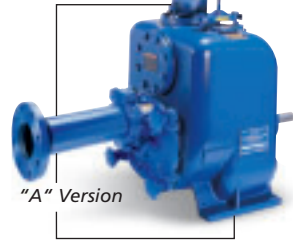
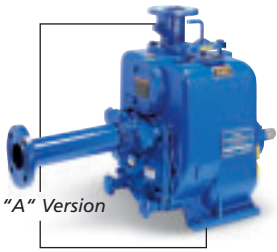
3", 4", 6",
(75 mm, 100 mm,
150 mm)

Cast iron,
316 stainless steel
fitted, CD4MCU,
G-R hard iron fitted

1500 gpm
(95 lps)

207' (63 m)

1-1/4" (31 mm)



3"

Super U Series™
Shown with Optional Flanges

4"

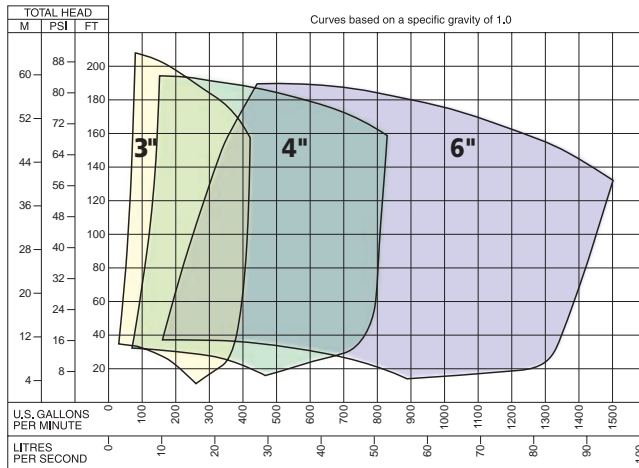
Super U Series™
Shown with Optional Flanges

6"

Super U Series™
Shown with Optional Flanges

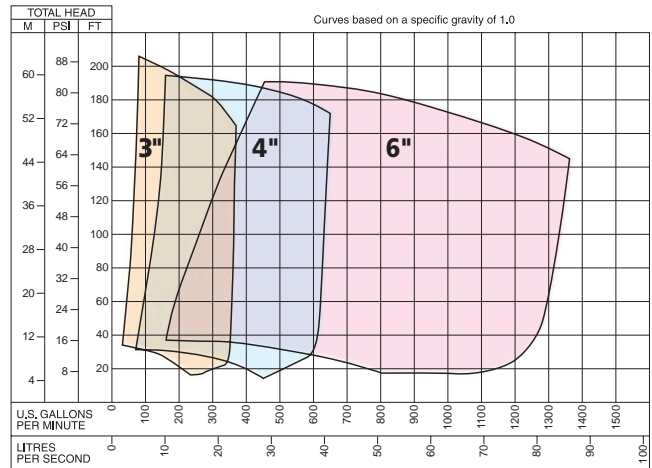
"A" Version

Curves based on a specific gravity of 1.0



"B" Version

Curves based on a specific gravity of 1.0



Note: Consult factory for other performance conditions.

The Pump People™



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