



**U**SERIES™

**NEW high efficiency industrial pumps**

**GORMAN-RUPP**

**U**SERIES

**GORMAN-RUPP**  
DIVISION OF  
THE GORMAN-RUPP CO.  
P.O. BOX 1000, ST. LOUIS, MO 63101  
TEL: (314) 421-1000 FAX: (314) 421-1001



# The high efficiency you need

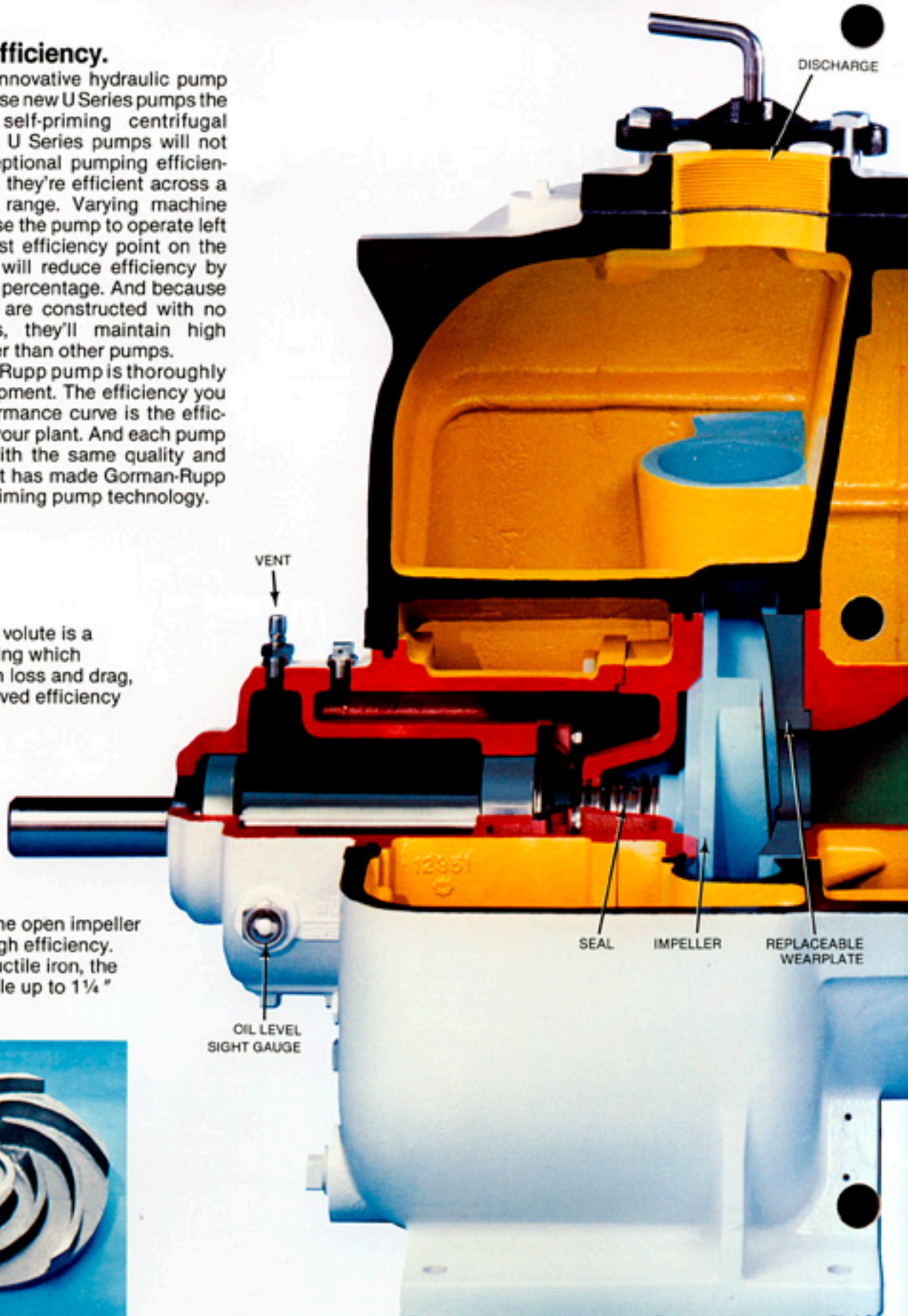
## Up to 75% efficiency.

Gorman-Rupp's innovative hydraulic pump design makes these new U Series pumps the most efficient self-priming centrifugal pumps available. U Series pumps will not only deliver exceptional pumping efficiencies (up to 75%), they're efficient across a broad operating range. Varying machine loads, which cause the pump to operate left or right of its best efficiency point on the operating curve, will reduce efficiency by only a very small percentage. And because U Series pumps are constructed with no close tolerances, they'll maintain high efficiencies longer than other pumps.

Each Gorman-Rupp pump is thoroughly tested before shipment. The efficiency you see on the performance curve is the efficiency you see in your plant. And each pump is constructed with the same quality and dependability that has made Gorman-Rupp a leader in self-priming pump technology.

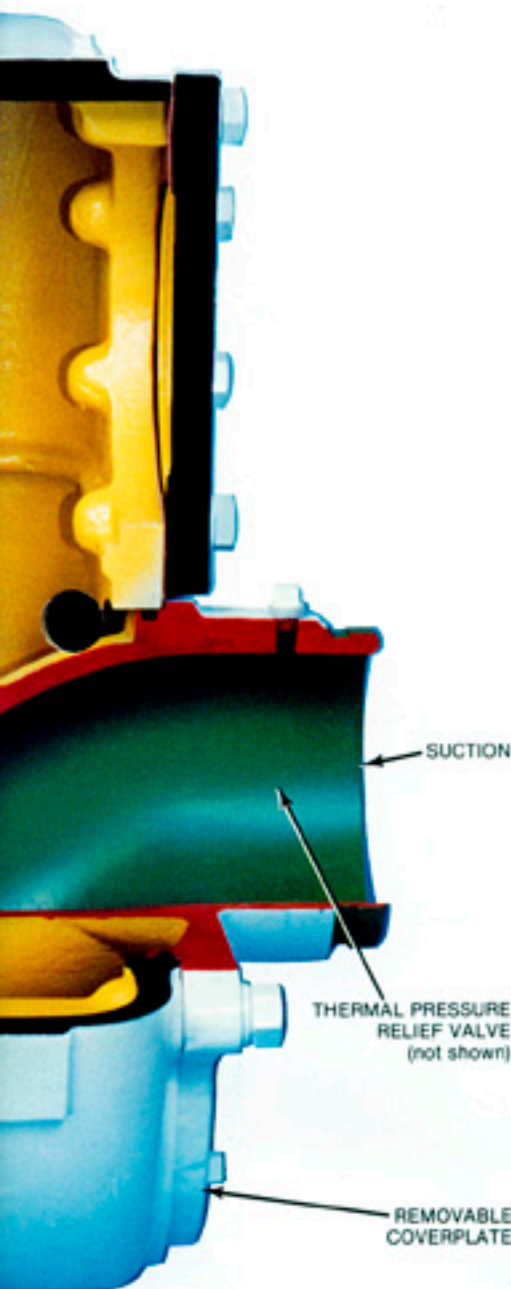
**Volute.** Interior of volute is a smooth wall casting which eliminates friction loss and drag, resulting in improved efficiency and performance.

**Impeller.** Multi-vane open impeller is designed for high efficiency. Constructed of ductile iron, the impeller will handle up to 1 1/4" solids.





# without the service headaches.



## Service and maintenance without disconnecting piping.

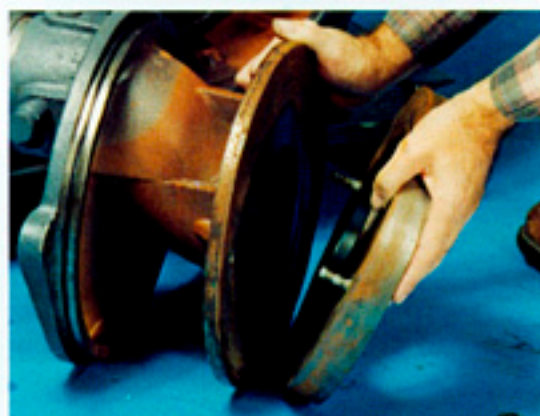
If service is required, simply remove the coverplate to get at volute interior and remove clogs. Inspect impeller, wearplate, seal or seal plate through the same opening. No need to disconnect fixed piping. To service the pump shaft or bearings, the entire rotating assembly can be quickly removed without disturbing piping alignment. It's that easy and that fast.

**Seal.** U Series pumps feature Gorman-Rupp's exclusive patented tungsten titanium carbide and silicon carbide, double-floating, self-aligning mechanical seals with stainless steel metal components. These time proven oil-lubricated seals are designed for maximum dependability and long life.

**Wearplate.** Renewable cast iron wearplate fastens to coverplate and can be quickly replaced. No expensive castings to replace.

## Easy to service.

U Series pumps are designed with 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 work space is required. And, because all U Series pumps use standard "off the shelf" NEMA motors, there's no waiting around for special motors.





A'' Version

TOTAL HEAD M (FEET)	Model URABO-R	SIZE mm (in)
------------------------	------------------	-----------------

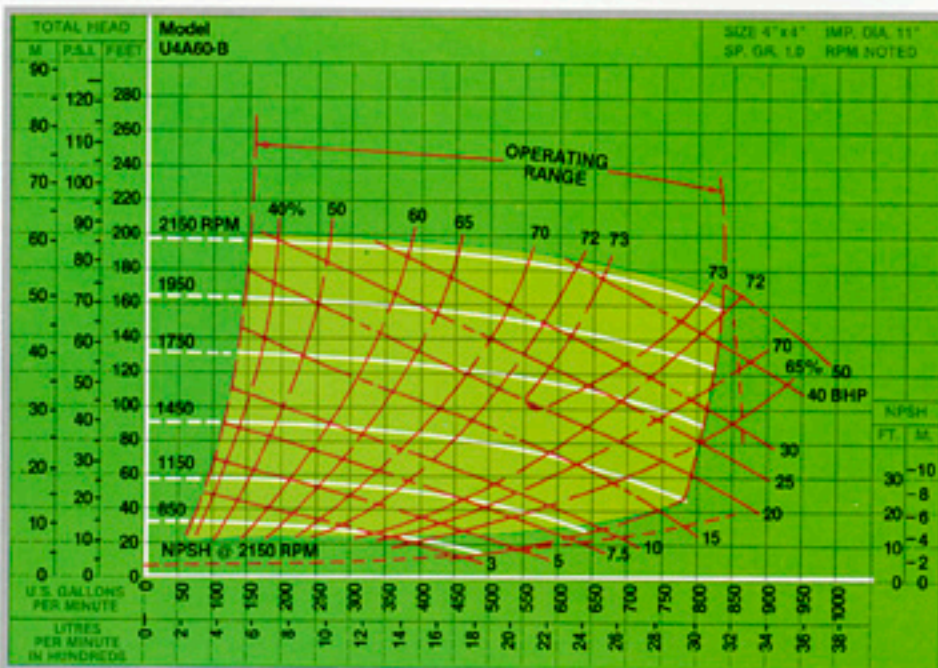
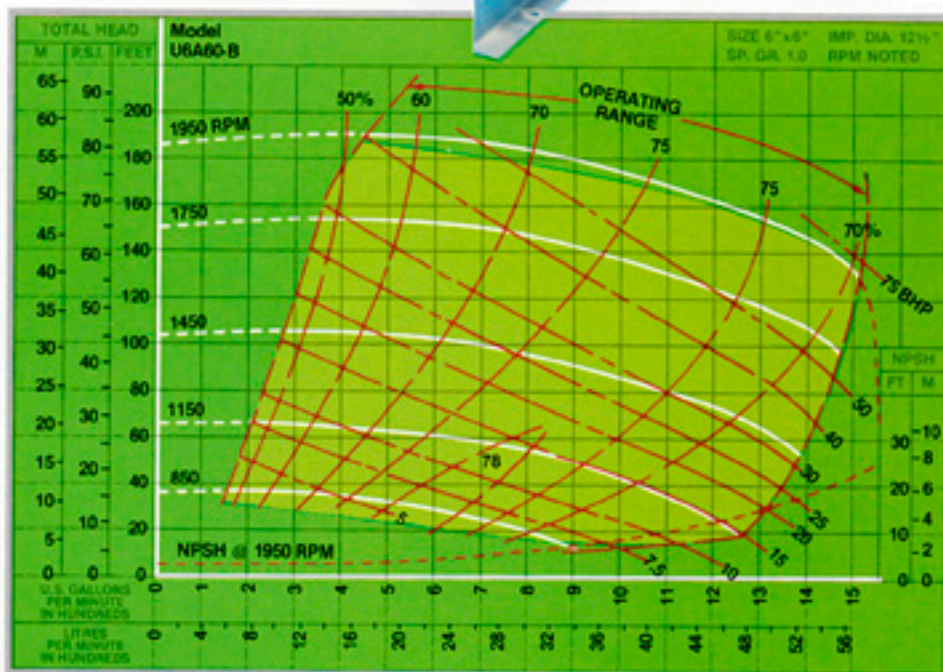
U Series pumps are available in 4" and 6" discharge sizes.

### "A" Version

### Drive variations.

Gorman-Rupp 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.

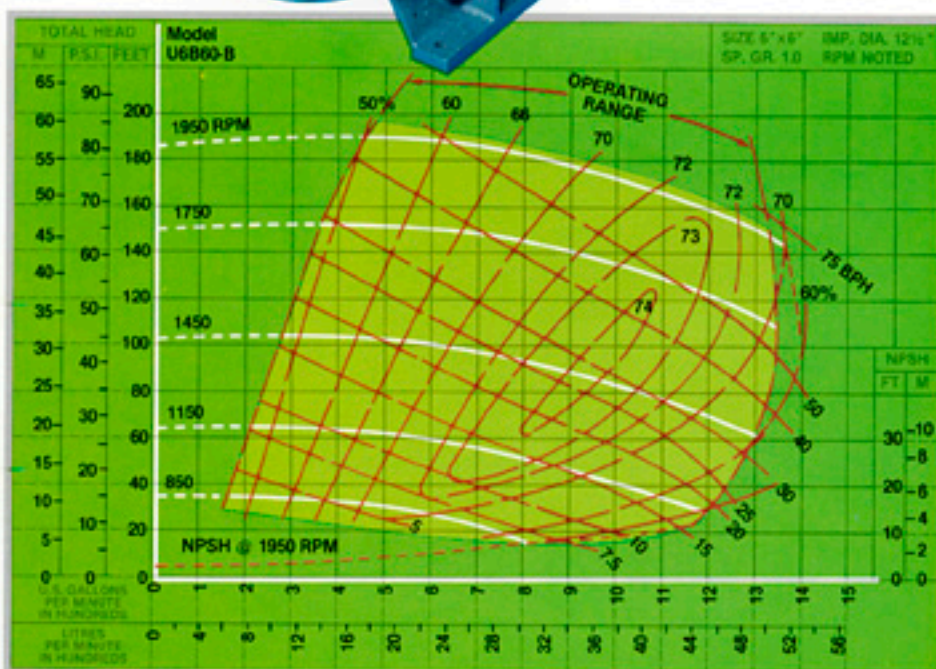
When space is critical, flex-coupling often solves the "tight-fit" problem. V-belt drive offers the advantage of flexibility in speed selection and usually provides maximum operating speed for required head and capacity without trimming impeller. Belt and sheave configurations are constructed to industry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







"B" Version



### "B" Version

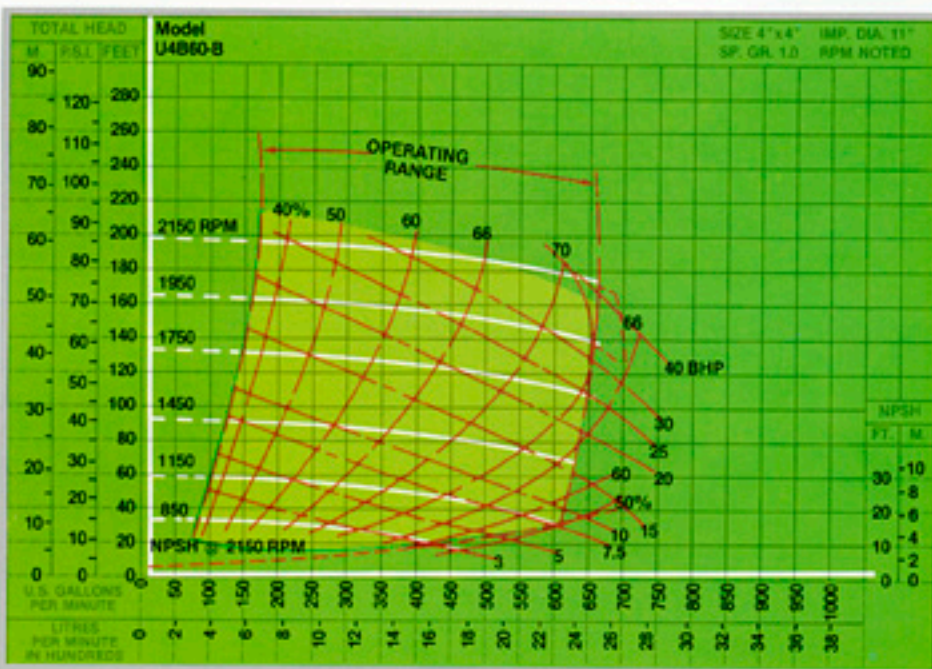
The "B" version of the U Series is dimensionally interchangeable (suction and discharge dimensions) with Gorman-Rupp T Series pump models in 4" or 6" sizes. A removable coverplate provides quick access to pump interior.

Model U6B60A-B has overall dimensional interchangeability with T Series model T6A3-B.

### Drive variations.

Gorman-Rupp 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 trimming impeller. Belt and sheave configurations are constructed to industry standards and are universally available.





# A complete line of pumps for every industrial application.

## Large Solids

T-Series pumps are designed to minimize downtime. Pumps feature a removable coverplate for quick access to pump interior without disconnecting piping. Impeller, seal and replaceable wearplate can be inspected or serviced, or clogs removed in minutes.

Pumps range in size from 3" to 10", capacities to 3000 gpm, heads to 130'. Pumps will handle up to 3" diameter spherical solids depending on pump size.



## Corrosive liquids and solids.

10 Series pumps are available in gray iron, 316 SS, bronze, alloy 20 or CD,MCu construction depending on liquid or slurry being pumped. Only two moving parts — impeller and shaft, so maintenance problems are minimal. Pumps are available in 1½" to 6" sizes. Capacities to 1300 gpm, heads to 100'. Pumps handle up to 2½" spherical solids depending on pump model. Multiple seal options available.

## Corrosive liquids and limited solids

90 Series pumps were specifically designed for mining applications where limited access is critical. Compact size is ideal for applications where several pumps must operate in close quarters. Pump construction is gray iron, all bronze, alloy 20, CD,MCu or stainless steel.

All wearing parts can be quickly replaced using common hand tools. Pumps are available in 2" and 3" sizes. Capacities to 320 gpm, heads to 180'. Multiple seal options available.



## Petroleum products.

O Series pumps feature straight-in suction which eliminates entrance restrictions and provides better suction performance when handling solvents, petroleum products and similar liquids. Available in 2" to 6" sizes. Capacities to 1350 gpm, heads to 390'.

## Mild corrosives and limited solids.

80 Series pumps are designed for high-efficiency, non-stop workloads. Straight-in suction design allows them to operate on higher suction levels than standard self-priming centrifugals. Pumps are available in 1½" to 8" sizes. Capacities to 2100 gpm, heads to 180'. Multiple seal options available.



## Worldwide network of factory-trained distributors.

Gorman-Rupp has over 800 distributors throughout the United States and the free world who are qualified to give expert advice on pump application and system design. They support Gorman-Rupp products with a complete parts inventory for quick replacement service.



Gorman-Rupp Company  
P.O. Box 1217  
Mansfield, Ohio 44901-1217  
Ph. 419/755-1011 Telex 98-7422

Gorman-Rupp of Canada Ltd.  
St. Thomas, Ontario, Canada

The Gorman-Rupp  
International Company  
Cable GRCO