

- INDUSTRIAL
- CONSTRUCTION / RENTAL
- MINING
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*80 Series<sup>®</sup> Heavy-Duty  
Self-Priming Centrifugal Pumps*



# 80 SERIES®

## Heavy-Duty Self-Priming Centrifugal Pumps



*Gorman-Rupp 80 Series® medium head, mild solids-handling, self-priming centrifugal pumps are designed for non-stop work loads.*

The straight-in-suction design of these high efficiency pumps guarantees quick positive priming and allows them to operate at higher

suction levels than most other self-priming centrifugal pumps.

The liquid being pumped enters directly into the eye of the impeller, and a suction check valve prevents in-line return flow when the pump is shut off.

And, because they have few moving parts, 80 Series® pumps are easy to maintain and service, saving money in the long run.

### High-Efficiency Impeller

80 Series pumps come equipped with a multi-vane, open impeller for higher efficiencies. Depending on the model, the impeller design will handle up to 2½" solids. These pumps are perfect for mild-solids handling, medium head applications.



### Multiple Seal Options

80 Series pumps are standard with mechanical shaft seals. Grease and gland seals are also available depending on the pumping application. Consult factory for details.



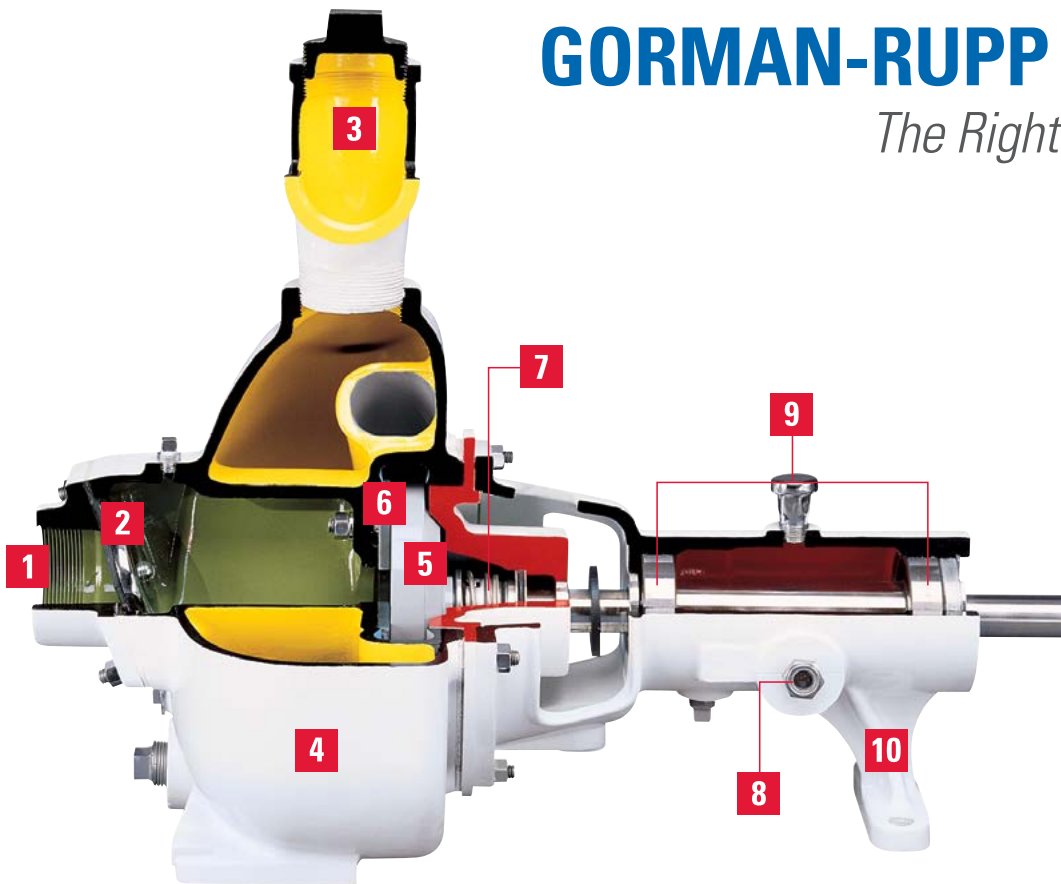
### Replaceable Wearplate

The replaceable wearplate is vital in ensuring the pump is operating at peak efficiency around the clock and eliminates the need to replace expensive castings. Wearplates are of extra-thick construction allowing for an extended service life.



# GORMAN-RUPP 80 SERIES®

*The Right Pump For The Job*



- 1-Suction Inlet
- 2-Suction Check Valve
- 3-Discharge Outlet
- 4-Volute
- 5-Balanced Impeller
- 6-Replaceable Wearplate
- 7-Mechanical Shaft Seal
- 8-Bearing Oil Monitor
- 9-Ball Bearings
- 10-Heavy-duty Pedestal

## Drive Variations



**80 Series®**  
Basic pump

Size: 1¼" (30 mm) to 10" (250 mm)  
 Max Capacity: 2800 GPM (176.7 lps)  
 Max Head: 210' (64.0 m)  
 Max Solids: 2.5" (63.5 mm)  
 Seal Elastomer: Viton®  
 Material of Construction: Gray Iron (consult factory for other metals available)



**80 Series®**  
Close-coupled

Shown with explosion-proof motor  
 Size: 1¼" (30 mm) to 1½" (38 mm)  
 Max Capacity: 91 GPM (5.7 lps)  
 Max Head: 72' (21.9 m)  
 Seal Elastomer: Viton®  
 Material of Construction: Gray Iron



**80 Series®**  
Engine driven

Size: 1¼" (30 mm) to 10" (250 mm)  
 Max Capacity: 2800 GPM (176.7 lps)  
 Max Head: 210' (64.0 m)  
 Max Solids: 2.5" (63.5 mm)  
 Seal Elastomer: Viton®  
 Material of Construction: Gray Iron (consult factory for other metals available)



**80 Series®**  
Shield-A-Spark portable engine driven

Size: 2" (50 mm) to 3" (75 mm)  
 Max Capacity: 395 GPM (24.9 lps)  
 Max Head: 140' (42.7 m)  
 Seal Elastomer: Viton®  
 Material of Construction: Aluminum  
 Engines: Gasoline, Diesel

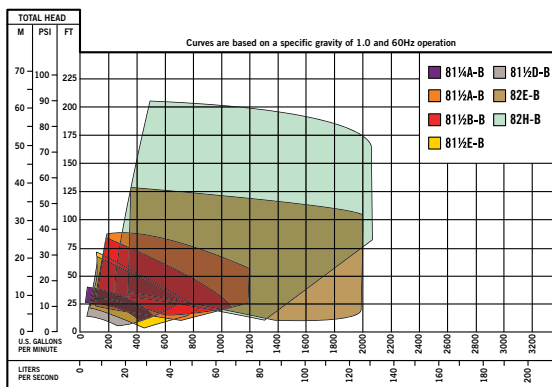


OTS noted models are included in the Gorman-Rupp OTS pump program. These products are available anytime, anywhere.

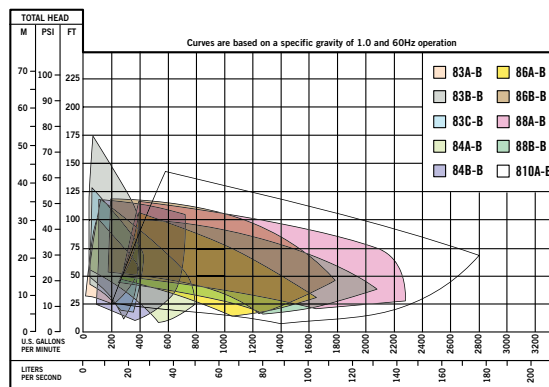
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## Pump Performance Data

### 1¼" to 2" Models



### 3" to 10" Models



# FLUID-HANDLING EQUIPMENT DESIGNED WITH YOUR NEEDS IN MIND

**★ Manufacturing Facilities**

- **Distribution Centers**

<p><b>Gorman-Rupp Pumps</b> Mansfield, Ohio, USA</p> <p><b>Gorman-Rupp Canada</b> St. Thomas, Ontario, Canada</p>	<p><b>Gorman-Rupp Europe</b> Culemborg, Netherlands</p> <p><b>Gorman-Rupp Africa</b> Cape Town, South Africa Durban, South Africa Johannesburg, South Africa (Headquarters)</p>	<p><b>Distribution Centers</b> Bangkok, Thailand Dubai, United Arab Emirates Grand Prairie, Texas, USA Culemborg, Netherlands Sparks, Nevada, USA</p>
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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.

