



80 Series Self-Priming Heavy Duty Pumps

Used for: Water • Agricultural Wastewater • Diesel • Fertilizer

These **80 Series Self-Priming Pumps** from Gorman-Rupp are designed for continuous, heavy-duty applications for low, medium or high flow rates.

- Many Models Available - Call with Your Flow Rate Needs -

Standard Features Include:

- Efficient Self-Priming Design for Quick & High Suction Lifts.
- Semi-Open Impellers Pass Large Solids.
- Cast Iron Bodies, Impellers, Bearing Pedestals & Steel Shafts for Strength & Durability.
- Oil Lubricated Bearings (*Double Radial & Single Thrust Bearings*) with Sight Gauge.
- Suction Check Valve Prevents Backflow when Pump is Shut Off.
- Single Mechanical Seals. Severe Duty Seals Available for dirty water. (See Tungsten or Silicon-Carbide Seals Below).
- Bolt-On Threaded Flanges for Easy Removal from Piping.
- Available in Pedestal Pump (see models below) or as Complete Motor or Engine Driven Pump Units (Call with your flow rate requirements).
- For Water, Agricultural Wastewater, Diesel and Fertilizer.
- 2" & 3" Pumps Pass 3/4" Solids; 4" Pumps Pass 1-1/8" Solids; 6" Pumps Pass 1-3/4" Solids; 8" Pumps Pass 2" Solids.



80 Series Self-Priming Heavy Duty Pumps

Part No.	Ports	Maximum GPM	GPM @ Pressure Shown	Seal	* Motor Required With Water	Actual Wt.
GR 82H3B	2" x 2"	205	190 @ 75 PSI	Carbon, Ni-Resist, Viton®	15 HP, 3450 RPM	120 lbs.
GR 82H20B	2" x 2"	205	190 @ 75 PSI	Tungsten Viton®	15 HP, 3450 RPM	120 lbs.
GR 83A3B	3" x 3"	360	300 @ 40 PSI	Carbon, Ceramic, Viton®	10 HP, 3450 RPM	115 lbs.
GR 83A52B	3" x 3"	360	300 @ 40 PSI	Silicon Carbide, Viton®	10 HP, 3450 RPM	115 lbs.
GR 84A3B	4" x 4"	800	600 @ 35 PSI	Carbon, Ni-Resist, Viton®	20 HP, 1750 RPM	429 lbs.
GR 84A52B	4" x 4"	800	600 @ 35 PSI	Silicon Carbide, Viton®	20 HP, 1750 RPM	429 lbs.
GR 86A3B	6" x 6"	1700	1100 @ 35 PSI	Carbon, Ni-Resist, Viton®	30 HP, 1750 RPM	630 lbs.
GR 86A52B	6" x 6"	1700	1100 @ 35 PSI	Silicon Carbide, Viton®	30 HP, 1750 RPM	630 lbs.
GR 88A3B	8" x 8"	2100	1800 @ 35 PSI	Carbon, Ni-Resist, Viton®	60 HP, 1750 RPM	805 lbs.
GR 88A52B	8" x 8"	2100	1800 @ 35 PSI	Silicon Carbide, Viton®	60 HP, 1750 RPM	805 lbs.

* Motor Required is not included with pump (informational only; HP shown is for pumping water). We can provide complete pump units with motor or engine drive, baseplate, coupling and guard.

"O" Series Self-Priming Pumps



"O" Series Self-Priming Pumps

Used for: Gasoline • Diesel • Water • Agricultural Wastewater

Excellent pumps for refined fuels including gasoline, diesel, kerosene and other petroleum products. Also great for water. 3" Pumps are constructed of aluminum casings, Almag 35 or aluminum impellers, copper alloy replaceable wear rings and cast iron pedestals. Oil lubricated bearings and bolt-on FPT ports. 2" Pump is constructed with cast iron casing, copper alloy impeller and iron replaceable wear ring.

All pumps have Viton® mechanical seals. 2" Pump will pass 3/8" solids; 3" pumps will pass 7/16" solids and 4" pumps will pass 1/2" solids. Use with explosion-proof motors for gasoline and other flammable liquids. **Not for fertilizer.**

Part No.	Ports	Maximum GPM	GPM @ Pressure Shown	Seal	** Motor Required With Water	Actual Wt.
GR 02K3B	2" x 2"	135	90 @ 26 PSI	Carbon, Ni-Resist, Viton®	3 HP, 3450 RPM	46 lbs.
GR 03J1B	3" x 3"	320	220 @ 50 PSI	Carbon, Ni-Resist, Viton®	10 HP, 3450 RPM	78 lbs.
GR 03H1B	3" x 3"	405	330 @ 50 PSI	Carbon, Ni-Resist, Viton®	20 HP, 3450 RPM	74 lbs.
GR 04B3B	* 4" x 4"	700	550 @ 60 PSI	Carbon, Ni-Resist, Viton®	30 HP, 1750 RPM	365 lbs.

* Cast Iron casing with copper alloy impeller - Other "O" Series Models are available.

** Motor Required is not included with pump (informational only; HP shown is for pumping water). We can provide complete pump units with motor or engine drive, baseplate, coupling and guard.

Viton® is a registered trademark of DuPont Performance Elastomers



Semi Trash Pump



Simpson Semi- Trash Pump with handy carry frame is engineered to handle slightly sandy, muddy water with leaves and other small contaminants. Perfect for floodwater or wastewater transfer in Agriculture, Construction, Municipality, Industry and more.

Diecast Aluminum pump with silicon carbide seals. Tubular, Powder-coated steel frames. Premium grade CRX gas engines with recoil start and low oil shut-off are 50 state compliant. Rated to 25ft suction lift.



Part No.	Size	Engine	Max. Flow	Wt.
FN 71007	2"	5.7 HP/208cc	158 GPM	65 lbs.