



MYERS[®]
MG200 SERIES
2 HP GRINDER PUMPS FOR RESIDENTIAL
AND PRESSURE SEWER APPLICATIONS



MYERS® MG200 SERIES

Grinder Pumps

Years of Trouble-Free Service

The MG200 Series are 2 HP submersible grinder pumps designed to be rugged and economical for residential and pressure sewage applications. Long discharge runs or high static heads are not a problem. The MG200 Series feature a patented cutter mechanism and recessed impeller design to effectively macerate typical domestic sewage solids into a fine slurry.

Myers offers a complete turnkey system for simple selection and installation. No complicated control panel is required. For years of trouble-free service go with the leader in grinder pump technology. Contact your local Myers representative or the Myers Ohio sales office at 419-289-1144.



Product Capabilities

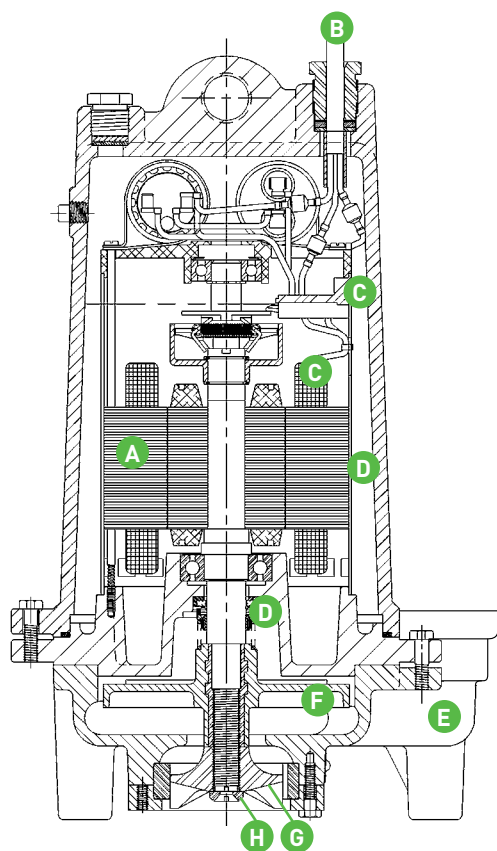
Capacities To	70 gpm	260 lpm
Heads To	138 ft.	42 m
Liquids Handling	domestic raw sewage	
Intermittent Liquid Temp.	up to 140°F	up to 60°C
Winding Insulation Temp. (Class F)	311°F	155°C
Motor Electrical Data	3450 RPM, 2 HP 230 volts, 15.0 amps 1 phase, 60 Hz Capacitor Start/Run	
Std. Third Party Approvals	CSA, UL	
Acceptable pH Range	6 - 9	
Specific Gravity	.9 - 1.1	
Viscosity	28 - 35 SSU	
Discharge, NPT	1-1/4 in.	31.75 mm
Min. Sump Diameter		
Simplex	24 in.	61.0 cm
Duplex	36 in.	91.4 cm

Note: Consult factory for applications outside these recommendations.

Construction Materials

Motor Housing, Seal Housing, Volute Case	cast iron, Class 30, ASTM A48
Power Cord	SJ00W
Mechanical Seals:	
Standard	carbon and ceramic
Optional	tungsten carbide
Pump, Motor Shaft	416 SST
Fasteners	300 Series SST
Shredding Ring, Grinding Impeller	440 SST, 58-60 Rockwell
Recessed Impeller	eng. thermoplastic (MG/MGF) ductile iron (MGH)

Pump Features and Applications



A. Powerful Motor

2 HP, 3450 RPM, 230V, 1 phase. High torque oil-filled motor conducts heat and lubricates bearings.

B. Cable Entry System

Provides double seal protection. Cable jacket sealed by compression fitting. Individual wires sealed by potting epoxy. Power cord can be replaced without disturbing motor.

C. Overload-Heat Sensor

Protects motor from burnout due to excessive heat from any overload condition. Automatically resets when motor has cooled.

D. Shaft Seal

Single carbon and ceramic faced seal. Oil lubricated.

E. Volute Case

Cast iron, 11/4" vertical, flanged discharge.

F. Impeller

Engineered thermoplastic recessed impeller handles ground slurry without clogging or binding. Provides unobstructed flow passage. Reduces radial loads. Pump-out vanes help keep trash from seal, reduces pressure at seal face.

G. Grinder Assembly

Grinder impeller and shredding ring are replaceable without dismantling pump. Constructed of 440 SST hardened to 56-60 Rockwell.

H. Shaft and Fasteners

The shaft and all fasteners are made from corrosion resistant stainless steel.

Ideal for Use in Pressure Sewer Systems.

- Choice of standard, high head or high flow designs.
- Recessed impeller provides steep non-overloading operating curve.

Durable Motor Will Deliver Many Years of Reliable Service.

- Oil-filled motor for maximum heat dissipation and constant bearing lubrication.
- Recessed impeller reduces radial bearing loads, increases bearing life.
- High torque capacitor starts single phase motor for assured starting under heavy load. No external capacitor needed.
- Heavy duty, 2 HP listed, wide angle float switch.
- On-winding current and temperature sensitive overload.

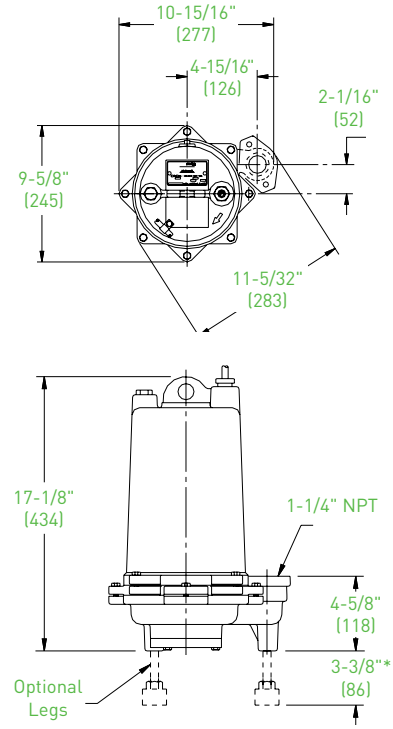
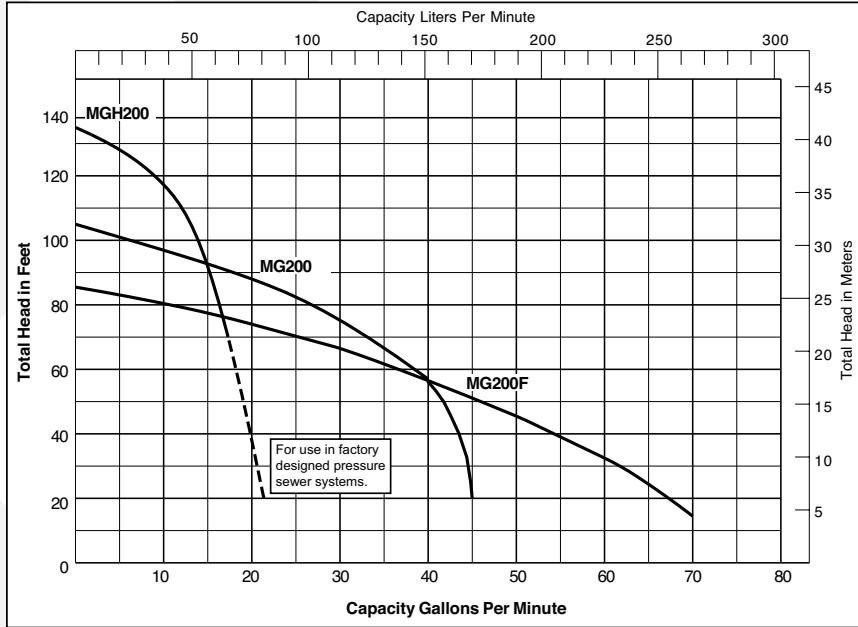
The MG200 Series Is Designed for Easy Maintenance.

- Shredding ring and grinder impeller are replaceable without dismantling pump or motor.

Performance Data and Dimensions

[Dimensions in mm]

3450 RPM



*Leg kit required when not using guide rail liftout system.

Available Models		Motor Electrical Data								
Standard	HP	Volts	Phase	Start Amps	Full Load Amps	Full Load kW	Start kW	Full Load KVA	NEC Code Letter	Service Factor
MG200-21	2	230	1	57	15.0	3.2	11.7	3.5	H	1.25
MG200-21P	2	230	1	57	15.0	3.2	11.7	3.5	H	1.25
MG200F-21	2	230	1	57	15.0	3.2	11.7	3.5	H	1.25
MG200F-21P	2	230	1	57	15.0	3.2	11.7	3.5	H	1.25
MGH200-21	2	230	1	57	15.0	3.2	11.7	3.5	H	1.25
MGH200-21P	2	230	1	57	15.0	3.2	11.7	3.5	H	1.25



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