



MYERS[®]
SHA SERIES
SUBMERSIBLE GRINDER SYSTEM

MYERS® SHA SERIES

FIBERGLASS BASIN



- A. Available in depths from 4' to 8'
- B. Optional Electrical Junction Box (not shown)
- C. Preassembled Discharge Piping
- D. High Level Alarm Float Switch
- E. Submersible Centrifugal or Semi-Positive Displacement Grinder Pump
- F. Wide Angle Float Switch for Pump Operation

CHOOSE YOUR PUMP

MG SERIES CENTRIFUGAL AUTOMATIC GRINDER PUMP



- Heads to 138 feet and flows of 70 GPM.
- Recessed impeller provides steep non-overloading operating curve and reduces radial bearing loads, increasing bearing life.
- Oil-filled motor for maximum heat dissipation and constant bearing lubrication.
- High torque capacitor starts single phase motor for assured starting under heavy load. No external capacitor needed.
- On-winding current and temperature-sensitive overload.
- Shredding ring and grinder impeller are replaceable without dismantling pump or motor.

MGPD SERIES SEMI-POSITIVE DISPLACEMENT AUTOMATIC GRINDER PUMP



- Heads to 173 feet and flows to 19 GPM.
- Buna-N pump stator for long life
- Oil-filled motor for maximum heat dissipation and constant bearing lubrication.
- High torque capacitor starts single phase motor for assured starting under heavy load. No external capacitor needed.
- On-winding current and temperature-sensitive overload.
- Grinding cutter and shredding ring are replaceable without dismantling pump or motor.

SHA CONTROL PANEL

CONTROL PANEL SPECIFICATIONS	
Overall Dimensions	9.5" x 11.75" x 7.25"
Enclosure	Nema 4X Polycarbonate with Mounting Feet
Alarm Piezo	95 db with "Touch to Silence" circuitry
Flashing LED Alarm Light	
Weight	6 lbs. (2.7 kg)
Zero Crossing Relay Technology	
Nonconductive Injection Molded Sub-Door	
Exterior Pump run and Power Indicators	
cULus 508A Listed	

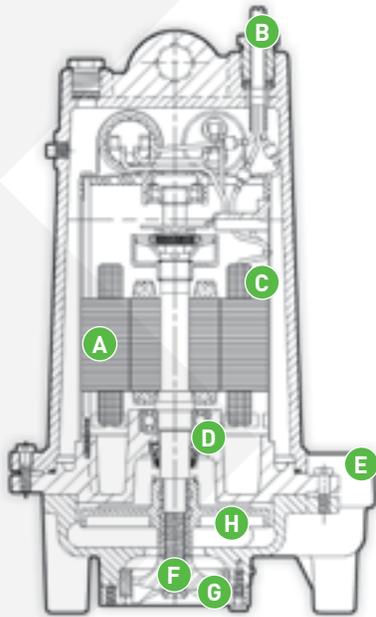


- A. Hand contact sensor for alarm control
- B. Integral alarm light
- C. Integral alarm buzzer
- D. Robust solid-state circuitry
- E. System diagnostics including pump cycle counter and pump run time counter
- F. Manual pump run button

PUMP PERFORMANCE

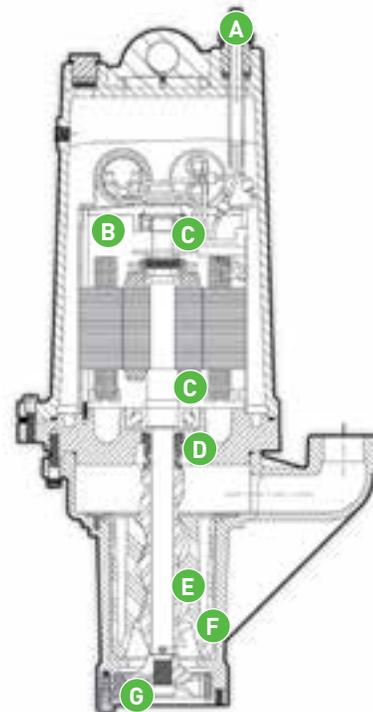


DESIGN FEATURES



MG SERIES

- A.** Powerful motor 2 hp, 3450 RPM, 230V, 1 phase. High torque oil-filled motor conducts heat and lubricates bearings. Class F VFD/continuous duty rated.
- 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 burn-out 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.** The shaft and all fasteners are made from corrosion resistant stainless steel.
- G.** Grinder impeller and shredding ring are replaceable without dismantling pump. Constructed of 440 SST hardened to 56-60 Rockwell.
- H.** 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.



MGPD SERIES

- A.** The water resistant power cord with molded plug is available in 20' (6m) lengths.
- B.** 2 HP oil-filled motor with thermal overload protection.
- C.** The heavy-duty ball bearings, upper (radial) and lower (thrust), are continuously lubricated by oil to ensure long service life.
- D.** The mechanical seal is constructed with a ceramic stationary face and a carbon rotating face and is field proven for long service life.
- E.** 300 Series SST single-lobe rotor
- F.** Stator Buna-N double-helix stator.
- G.** Grinding cutter design cuts solids to smallest particle size.



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