



# HYDROMATIC<sup>®</sup> HPGR200 SUBMERSIBLE SEWAGE GRINDER PUMP

# HYDROMATIC® HPGR200 SUBMERSIBLE SEWAGE GRINDER PUMP

## 60Hz/50Hz

- ▶ Residential Wastewater and Sewage
- ▶ No panel required
- ▶ Durable 2HP grinder pump in either
  - 3450 RPM at 60Hz
  - 2900 RPM at 50Hz



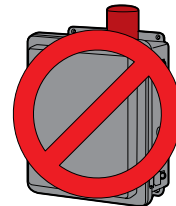
## HPGR200

The HYDROMATIC HPGR200 submersible sewage grinder pump is specifically designed to meet the demands of residential wastewater, sewage applications, and the quality standard of the professional plumbing contractor.

## Features

- ▶ Ideal for "high head" applications involving single-family residences and cottages. The 1-1/4 inch NPT discharge pump is available with a vertical discharge and can handle capacities up to 58 gallons per minute and heads up to 105 feet in 60 Hz model, up to 53 gallons per minute and heads up to 81 feet in 50 Hz models.
- ▶ Has a powerful 2 HP oil-filled motor, available in single phase, to provide superior cooling and lubrication, allowing the motor to provide years of trouble-free service. The heavy duty ball bearings upper (radial) and lower (thrust) are continuously lubricated by oil to ensure a long service life.
- ▶ Does not require any control panels or liquid level controls to operate the HPGR200 grinder pump in manual mode.
- ▶ HYDROMATIC'S HPGR200A2 grinder comes complete with 2 HP listed wide angle piggyback float switch for automatic operations.
- ▶ Complete "packaged systems" featuring the HPGR200 are also available from HYDROMATIC to make installation quick and simple.

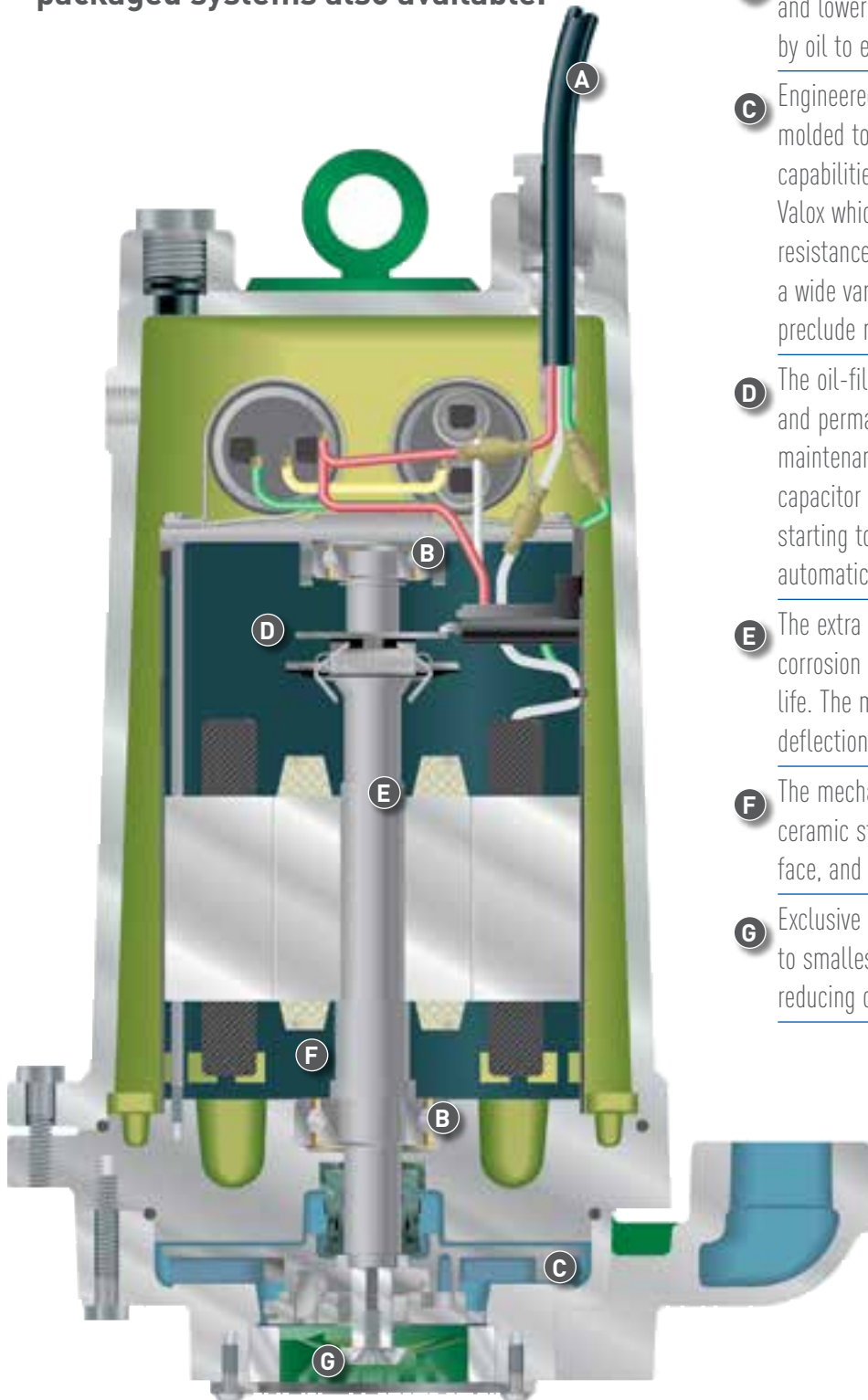
**NO PANEL  
REQUIRED**



**When it comes to submersible sewage  
grinder pumps, trust the leader....  
HYDROMATIC.**

# HYDROMATIC® HPGR200

The HPGR200 is a completely submersible sewage grinder pump for residential applications. Complete packaged systems also available.



## Benefits

- A** The water resistant power cord with molded plug is available in 20 or 50 foot lengths.
- B** The heavy duty ball bearings, upper (radial) and lower (thrust), are continuously lubricated by oil to ensure long service life.
- C** Engineered non-metallic semi-open impeller is molded to a bronze insert for greatest torque driving capabilities. Impeller is made of high strength Valox which provides highest level of corrosion resistance and maximum toughness from impact for a wide variety of slurry pumpage. Pump-out vanes preclude material buildup around shaft and seal.
- D** The oil-filled motor provides superior cooling and permanent lubrication of bearings, low maintenance and extended service life. 2-HP capacitor start motors provide maximum starting torque. Motor windings contain automatic thermal overload protection.
- E** The extra large stainless steel shaft eliminates corrosion and fatigue to provide longer pump life. The minimum shaft overhang decreases deflection and increases bearing and seal life.
- F** The mechanical seal is constructed with a ceramic stationary face and a carbon rotating face, and is field-proven for long service life.
- G** Exclusive "Dual Cutter" design cuts solids to smallest particle size thereby greatly reducing clogging, roping, or binding.

# HYDROMATIC® HPGR200

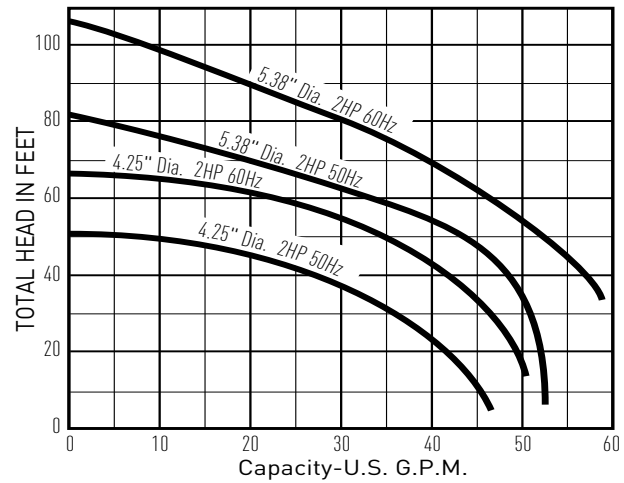
## Pump Characteristics

| Pump/Motor Unit  | Submersible-Grinder  |
|------------------|--|
| Hertz            | 60 Hz / 50 Hz  |
| Phase            | 1 Ø  |
| Voltage          | 230  |
| Horsepower       | 2 HP   |
| Full Load Amps   | 12.5/15  |
| Motor Type       | Oil Cooled Induction<br>Capacitor Start  |
| R.P.M.           | 2900/3450  |
| Temp.            | 140° F Ambient   |
| Operation        | Intermittent   |
| Thermal Overload | Bi-Metallic  |
| Temperature      | Max Water 140° F   |
| NEMA Design      | Type A   |
| Insulation       | Class F  |
| Discharge Size   | 1 1/4" NPT   |
| Unit Weight      | 95 lbs.  |
| Power Cord       | Type SJOW/SJOW-A   Water Resistant   600 V, 60° C   CSA/UL Approved   20' Ft. Std. |

## Materials of Construction

| Part Name         | Material   |
|-------------------|--|
| Motor Housing     | Cast Iron ASTM-48  |
| Pump Casing       | Cast Iron ASTM-48  |
| Coolant/Lubricant | Dielectric Oil   |
| Shaft             | Stainless Steel  |
| Mechanical        | Seal Faces: Carbon/Ceramic<br>Shaft Seal   Seal Body: Stainless Steel   Spring: Stainless Steel<br>Bellows: Buna-N |
| Impeller          | High Strength Valox 420SEO with Bronze Insert  |
| Cutters           | 440C Hardened 55-60 Rockwell C   |
| Upper Bearing     | Single Ball Bearing  |
| Lower Bearing     | Single Ball Bearing  |
| Fasteners         | Stainless Steel  |

## Performance Data



## Dimensional Data



All dimensions in inches. Metric for international use. Component dimensions may vary  $\pm 1/8$  inch. Dimensional data not for construction purpose unless certified. Dimensions and weights are approximate. On/Off level adjustable. We reserve the right to make revisions to our product and their specifications without notice.



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Because we are continuously improving our products and services, Pentair reserves the right to change specifications without prior notice.