SHREDDING WASTEWATER CHALLENGES

2 HP AUTOMATIC GRINDER PUMPS

WWW.FEMYERS.COM
MYERS’ VR2 SERIES
AUTOMATIC GRINDER PUMPS

The new MYERS VR2 grinders feature a patented axial cutter technology that easily slices through solids and trash found in domestic wastewater without roping or clogging. They come with plenty of standard features to make installation a breeze.

NOW WITH HIGHER HEADS AND FLOWS!

The VR2 is a rugged and economical solution for residential and pressure sewage systems.

PATENTED AXIAL CUTTER TECHNOLOGY
Easily slices through solids and trash found in domestic wastewater without roping or clogging.

Watch the video at www.Femyers.com
A. Wide Angle Float Switch
- Piggy-back cord for easy maintenance

B. Cable Entry System
- Cable jacket sealed by compression fitting and individual wires sealed by compression grommet for double seal protection against water ingress

C. Oil-Filled Motor
- Maximizes heat dissipation and provides constant bearing lubrication for long life
- High torque start/run capacitor for single phase motors for assured starting under heavy loads.
- Internal capacitors eliminate need for control panel

D. Integrated Heat Sensor
- Protects motor from burnout due to excessive heat from any overload condition. Automatically resets when motor has cooled

E. Shaft and Fasteners
- Stainless steel for maximum corrosion resistance and long life

F. Shaft Seals
- Oil lubricated single carbon and ceramic faced seal provides motor protection

G. Impeller
- Semi-open impeller handles ground slurry without clogging or binding
- Pump-out vanes help keep trash from seal and reduces pressure at seal face for longer life

H. Axial Cutter System
- Easily slice through solids and trash commonly found in domestic wastewater without roping or clogging
- Constructed of 440 SST hardened to 57-60Rc for long life
- Easily replaceable without dismantling pump

I. Volute Case
- Cast iron, 1-1/4" vertical, flanged discharge
PERFORMANCE DATA AND DIMENSIONS

3450 RPM

[Dimensions in mm]

VR2

4.00” [101.6]

2.84” [72.1]

5.77” [146.6]

11.69” [296.9]

7.13” [181.2]

8.72” [221.5]

4.00” [101.6]

2.84” [72.1]

5.77” [146.6]

11.69” [296.9]

7.13” [181.2]

8.72” [221.5]

Electrical Data

<table>
<thead>
<tr>
<th>Model</th>
<th>Engineering Number</th>
<th>HP</th>
<th>Voltage</th>
<th>Phase</th>
<th>Hz</th>
<th>Full Load Amps</th>
<th>Start Amps</th>
<th>Cord Length</th>
<th>Discharge</th>
<th>Switch</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>VRS20A-21</td>
<td>28200D000</td>
<td>2</td>
<td>230</td>
<td>1</td>
<td>60</td>
<td>15</td>
<td>60.7</td>
<td>20</td>
<td>1-1/4”</td>
<td>Auto</td>
<td>95</td>
</tr>
<tr>
<td>VRS20M-21</td>
<td>28200D010</td>
<td>2</td>
<td>230</td>
<td>1</td>
<td>60</td>
<td>15</td>
<td>60.7</td>
<td>20</td>
<td>1-1/4”</td>
<td>Manual</td>
<td>95</td>
</tr>
<tr>
<td>VRH20A-21</td>
<td>28200D100</td>
<td>2</td>
<td>230</td>
<td>1</td>
<td>60</td>
<td>15</td>
<td>60.7</td>
<td>20</td>
<td>1-1/4”</td>
<td>Auto</td>
<td>95</td>
</tr>
<tr>
<td>VRH20M-21</td>
<td>28200D110</td>
<td>2</td>
<td>230</td>
<td>1</td>
<td>60</td>
<td>15</td>
<td>60.7</td>
<td>20</td>
<td>1-1/4”</td>
<td>Manual</td>
<td>95</td>
</tr>
<tr>
<td>VRF20A-21</td>
<td>28200D200</td>
<td>2</td>
<td>230</td>
<td>1</td>
<td>60</td>
<td>15</td>
<td>60.7</td>
<td>20</td>
<td>1-1/4”</td>
<td>Auto</td>
<td>95</td>
</tr>
<tr>
<td>VRF20M-21</td>
<td>28200D210</td>
<td>2</td>
<td>230</td>
<td>1</td>
<td>60</td>
<td>15</td>
<td>60.7</td>
<td>20</td>
<td>1-1/4”</td>
<td>Manual</td>
<td>95</td>
</tr>
</tbody>
</table>

Construction Materials

Motor Housing, Seal Housing, Cord Cap and Volute Case: Cast Iron, Class 30, ASTM A48
Semi-Open Impeller: Stainless steel
Power Cord: SJOW
Mechanical Seals: Standard Carbon and Ceramic
Pump, Motor Shaft: 416 SST
Fasteners: 300 Series SST
Cutting Mechanism: 440 SST

Product Capabilities

Capacities To: 58.5 gpm 221.4 lpm
Heads To: 169 ft. 51.5 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, 80 Hz, 1 ph 230V
Std. Third Party Approvals: CSA
Acceptable pH Range: 6 – 9
Specific Gravity: 9 – 1.1
Viscosity: 28 – 35 SSU
Discharge (Flange Dia.): 1-1/4” in. 31.75 mm
Min. Sump Diameter

Simplex 24 in. 61.0 cm

Duplex 36 in. 91.4 cm