MYERS®
VR1 & VR2 SERIES
1 & 2 HP AUTOMATIC
GRINDER PUMPS

SHREDDING
WASTEWATER
CHALLENGES

PATENTED AXIAL
CUTTER TECHNOLOGY
EASY INSTALLATION
PERFORMANCE
MYERS® VR1 & VR2 SERIES AUTOMATIC GRINDER PUMPS

The new MYERS VR1 and 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.

The VR1 is an ideal upgrade for residential sewage pumps struggling with trash and debris found in residential wastewater.

The VR2 is a rugged and economical solution for residential and pressure sewage systems. *Based on internal test data and published competitive flow curves.

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

OUTPERFORMING THE COMPETITION

1HP Pump Curves

2HP Pump Curves

*Based on internal test data and published competitive flow curves.
FEATURES

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 (VR2)
- 2” vertical discharge (VR1)
**PERFORMANCE DATA AND DIMENSIONS**

3450 RPM

[Dimensions in mm]

**Electrical Data**

<table>
<thead>
<tr>
<th>Model</th>
<th>Engineering Number</th>
<th>V</th>
<th>Phase</th>
<th>Hz</th>
<th>Amps</th>
<th>Cord Length</th>
<th>Discharge</th>
<th>Switch</th>
<th>Weight</th>
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<td>115</td>
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**Product Capabilities**

<table>
<thead>
<tr>
<th>Capacities To:</th>
<th>VR1</th>
<th>VR2</th>
<th>VR1</th>
<th>VR2</th>
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<tbody>
<tr>
<td>52 gpm</td>
<td>31 gpm</td>
<td>196.8 lpm</td>
<td>117 lpm</td>
<td></td>
</tr>
<tr>
<td>31 gpm</td>
<td>196.8 lpm</td>
<td>117 lpm</td>
<td>52 gpm</td>
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</tr>
<tr>
<td>60 ft.</td>
<td>138 ft.</td>
<td>42.1 m</td>
<td>25.4 m</td>
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</tr>
<tr>
<td>138 ft.</td>
<td>42.1 m</td>
<td>25.4 m</td>
<td>60 ft.</td>
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**Discharge (Flange Dia.)**

<table>
<thead>
<tr>
<th>VR1</th>
<th>VR2</th>
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<tbody>
<tr>
<td>2 in.</td>
<td>1-1/4 in.</td>
</tr>
<tr>
<td>50.8 mm</td>
<td>31.75 mm</td>
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**Min. Sump Diameter**

<table>
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<tr>
<th>VR1 Simplex</th>
<th>VR2 Duplex</th>
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<tbody>
<tr>
<td>24 in.</td>
<td>24 in.</td>
</tr>
<tr>
<td>61.0 cm</td>
<td>61.0 cm</td>
</tr>
<tr>
<td>36 in.</td>
<td>91.4 cm</td>
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**Construction Materials**

- Motor Housing, Seal Housing, Cord Cap and Volute Case: Cast Iron, Class 30, ASTM A48
- Semi-Open Impeller: VR1 = thermoplastic, VR2 = stainless steel
- Power Cord: SJOW
- Mechanical Seals: Standard: Carbon and Ceramic
- Pump, Motor Shaft: 416 SST
- Fasteners: 300 Series SST
- Cutting Mechanism: 440 SST, 58-60 Rockwell

**VR1**

SST LIFTING HANDLE WITH PADDDED GRIP

**VR2**

2” NPT Discharge [50.8]

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