Specifications:

**DISCHARGE** ................................................. 1⅛” NPT, Vertical, Bolt-on Flange

**LIQUID TEMPERATURE** ........................................... 160°F (71°C) Intermittent


**SEAL PLATE** ......................................................... Cast Iron ASTM A-48, Class 30.

**IMPELLER:**
- **Material** ............................................. Cast Iron

**SHREDDING RING** .................................................. Hardened 440C Stainless Steel, Rockwell® C-55.

**CUTTER** ............................................................. Hardened 440C Stainless Steel, Rockwell® C-55.

**SHAFT** .......................................................... 416 Stainless Steel

**SQUARE RINGS** .................................................. Buna-N

**PAINT** .......................................................... Air Dry Enamel.

**SEAL:**
- **Design** ............................................. Tandem Mechanical, Oil Filled Reservoir
- **Material** ............................................. Rotating Faces - Carbon Stationary Faces - Ceramic Elastomer - Buna-N Hardware - 300 Series Stainless

**CORD ENTRY** ................................................... 30 ft. (9.1 m) Std. Cord. Custom Molded Quick Connect, for Sealing and Strain Relief

**CORD** .......................................................... CSA/UL Approved 12/4 Type SOW.

**UPPER BEARING:**
- **Design** ............................................. Single Row, Ball, Oil Lubricated
- **Load** ......................................................... Radial

**INTERMEDIATE BEARING:**
- **Design** ............................................. Single Row, Ball, Oil Lubricated
- **Load** ......................................................... Radial & Thrust

**LOWER BEARING:**
- **Design** ............................................. Sleeve, Oil Lubrication:
- **Load** ......................................................... Radial

**MOTOR:**
- **Design** ............................................. NEMA L-Single Phase, (SGVF2022L, SGVH2022L, SGVF2002L or SGVH2002L, includes overload protection in the motor), NEMA B-Three Phase Torque Curve, Oil-Filled, Squirrel Cage Induction Insulation ................. Class B.

**SINGLE PHASE** .................................................. Capacitor Start/Capacitor Run. Includes overload protection in the motor. Requires Barnes® Starter or Control Panel which includes Capacitors, or Capacitor pack.

**THREE PHASE** .................................................. Dual Voltage 240/480; Requires Overload Protection to be Included in control panel.

**OPTIONAL EQUIPMENT** ........................................... Seal Material, Impeller Trims, Cord Length, Moisture Sensors, Moveable Fitting, Leg Kit P/N: 108339.

**RECOMMENDED:**
- **Accessories** ............................................... Break Away Fitting (BAF)
- **Control Panel** .............................................. Check Valve
- **Seal Kit PN** ............................................... 113299
- **Service Kit PN** ............................................ 115946

**DESCRIPTION:**

THE GRINDER PUMP IS DESIGNED TO REDUCE DOMESTIC, COMMERCIAL, INSTITUTIONAL AND LIGHT INDUSTRIAL SEWAGE TO A FINELY GROUND SLURRY.

**WARNING:**
CANCER AND REPRODUCTIVE HARM - WWW.P65WARNINGS.CA.GOV
**Submersible Grinder Pumps**

**HIGH-FLOW**

<table>
<thead>
<tr>
<th>MODEL NO</th>
<th>PART NO</th>
<th>HP</th>
<th>VOLT</th>
<th>PH/Hz</th>
<th>RPM (Nom)</th>
<th>NEMA START CODE</th>
<th>FULL LOAD AMPS</th>
<th>LOCKED ROTOR AMPS</th>
<th>CORD SIZE</th>
<th>CORD TYPE</th>
<th>CORD O.D. ± .02 (.5) in (mm)</th>
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**HIGH-HEAD**

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<td>.67 (17)</td>
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</table>

Optional - Temperature sensor cord for all models is 14/3 SOW, 0.55 (14mm) ± .02 (.51mm) O.D.
(Not used on SGVF2022L, SGVH2022L, SGVF2002L or SGVH2002L).

Optional - Moisture and Temperature sensor cord for all models is 18/5 SOW, 0.49 (12.4mm) ± .02 (.51mm) O.D., replaces Temperature sensor cord.
(*) This pump is NOT CSA listed

**IMPORTANT !**

1.) MODELS SGVF2002L AND SGVH2002L ARE NOT CSA LISTED
2.) PUMP MAY BE OPERATED "DRY" FOR EXTENDED PERIODS WITHOUT DAMAGE TO MOTOR AND/OR SEALS.
3.) INSTALLATIONS SUCH AS DECORATIVE FOUNTAINS OR WATER FEATURES PROVIDED FOR VISUAL ENJOYMENT MUST BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE ANSI/NFPA 70 AND/OR THE AUTHORITY HAVING JURISDICTION. THIS PUMP IS NOT INTENDED FOR USE IN SWIMMING POOLS, RECREATIONAL WATER PARKS, OR INSTALLATIONS IN WHICH HUMAN CONTACT WITH PUMPED MEDIA IS A COMMON OCCURRENCE.
Series SGVF
Performance Curve
2HP, 3450RPM, 60Hz, High-Flow

Submersible Grinder Pumps

Testing is performed with water, specific gravity 1.0 @ 68°F (20°C), other fluids may vary performance.
Series SGVH
Performance Curve
2HP, 3450RPM, 60Hz, High-Head

Submersible Grinder Pumps

Series SGVH
Performance Curve
2HP, 3450RPM, 60Hz, High-Head

Testing is performed with water, specific gravity 1.0 @ 68°F @ (20°C), other fluids may vary performance.