The KEEN PUMP K(H)GL series centrifugal grinder pumps easily handle residential, light commercial or industrial sanitary waste, reducing it to fine slurry. The K(H)GL pump is designed for use in pressure sewer applications or any piping network.

The recessed vortex impeller design of the K(H)GL grinder pump provides trouble free, non-overloading operation over the entire performance curve. The K(H)GL pump produces capacities to 43 gpm with heads to 130 feet.

The modular design provides quick access to the internal start capacitor kit. Hardened stainless steel grinder assembly and many quality features:

The K(H)GL series pump features:
- Strong, 1 or 2HP, 115 or 230 Volt Motor
- Internal Start Components (No control box req'd)
- Potted Cord Cap Assembly
- Dual Silicon-Carbide Shaft Seals
- 3 Bearings
- Pressed-In Motor

![Performance Curve](chart.png)
Features and Benefits

1. Watertight Cable Entrance
Agency-approved, watertight strain relief cord grip with compression grommet protects outer cord jacket. Epoxy-filled inner cord cap provides anti-wicking moisture protection to the motor even if power cable is cut or damaged.

2. Internal Start Kit
Start/Run capacitor with relay securely positioned in dry compartment. Rubber compression grommet for wire leads to motor prevents oil from entering chamber. 4 bolts quickly removes cord cap for easy servicing.

3. Modular Pump Design
Commonality of parts across the Keen product line minimizes the amount of parts required for servicing. Heavy-duty ASTM A48, Class 30 cast iron components.

4. Strong Motor
Powerful high-torque motor for reliable pump operation. Pressed stator securely holds motor and efficiently transfers heat. Class F insulation with overload protection in oil-filled chamber for cool operation and long motor life.

5. 3-Bearing Support
Motor / Pump shaft securely held with upper and lower ball bearing plus additional sleeve bearing in lower seal chamber. Long 50,000 hour B-10 bearing life.

6. Double Mechanical Seal Protection
Dual silicon carbide mechanical shaft seals provide twice the moisture protection for the motor. Dual seals are housed in a secondary oil-filled seal chamber. Tougher silicon carbide seals better handle sand, grit and abrasive materials.

7. Non-Overloading Hydraulic Design
The recessed centrifugal impeller allows 100% performance curve operation from shut-off to maximum flow without damage to the pump or system. The recessed vortex impeller is out of the passageway of fluid flow, eliminating concerns of blockage or wear.

8. Proven Grinder Assembly
Hardened (Rockwell 56-60) stainless steel grinder assembly has 30+ years proven field experience. The reversible grinder ring and grinder impeller effectively reduce solids into a fine slurry, easily passable in a piping system without concerns of clogging. Highly efficient 16,600 cuts/second.

9. Easy Piping Connection
Removable 1-1/4”NPT connection flange for simple and easy connection to discharge piping.

10. Accessories
Stainless steel lifting handle included. Anti-Vibration mounting feet OPTIONAL.
**KEEN PUMP**

### GENERAL
- **Pump Model**: K(H)GL

### MOTOR DATA
- **HP / Power Supply**: 1HP or 2HP / 1P, 60 Hz

### PUMP DATA
- **Date**: 07/16/2015
- **Discharge Flange**: 1-1/4” NPT, Vertical
- **Grinder Ring**: Slotted, Hardened SST
- **Impeller Type / Std. Dia.**: Recessed/As Built
- **Full Load Amps 115V**: 16.9 Amps
- **Full Load Amps 230V**: 12.8 Amps
- **Poles / Rated Speed**: 2 Pole / 3450 RPM
- **Insulation Class**: F Class

### PERFORMANCE CURVE

**MODEL** | **HP** | **Phase** | **Volts**
---|---|---|---
KGL1-115 | 1 | 1 | 115
KGL2-115 | 2 | 1 | 115
KGL2-21C | 2 | 1 | 230
KHGL2-21C | 2 | 1 | 230

*Performance with clear water and ambient temp 20°C (68°F)*