

Internal or External Start Components Single or 3 Phase



The vortex impeller design of the grinder pump provides non-overloading performance and prevents clogging.
 The **CPG2-2(S)**. pump produces capacities up to 44 gpm with heads up to 103 feet.
 The **CPG2-2(H)**. pump produces capacities up to 42 gpm with heads up to 133 feet.

The pump can easily handle waste from:

- Residential/Commercial Developments
- Wastewater Transfer
- Hospitals, Motels, Apartments
- Schools, Universities
- Churches
- Campgrounds
- Office Complexes

Some of the other pump features:

- Single or 3 Phase
 - 2 HP @ 230 V 1-Phase @ 15 AMPS
 - 2 HP @ 230 V 3-Phase @ 9 AMPS
 - 2 HP @ 460 V 3-Phase @ 4.5 AMPS
- 150 Degrees F. (Intermittent)
- 30' Cord
- Start component
 - Internal (no control panel required)
 - External (must use start kit or components in control panel)

How to Order

CPG 2 - 2 1 S I

SERIES

2HP Grinder

VOLTAGE

2 - 208/230 VAC
 4 - 460 VAC (3-Phase)

PHASE

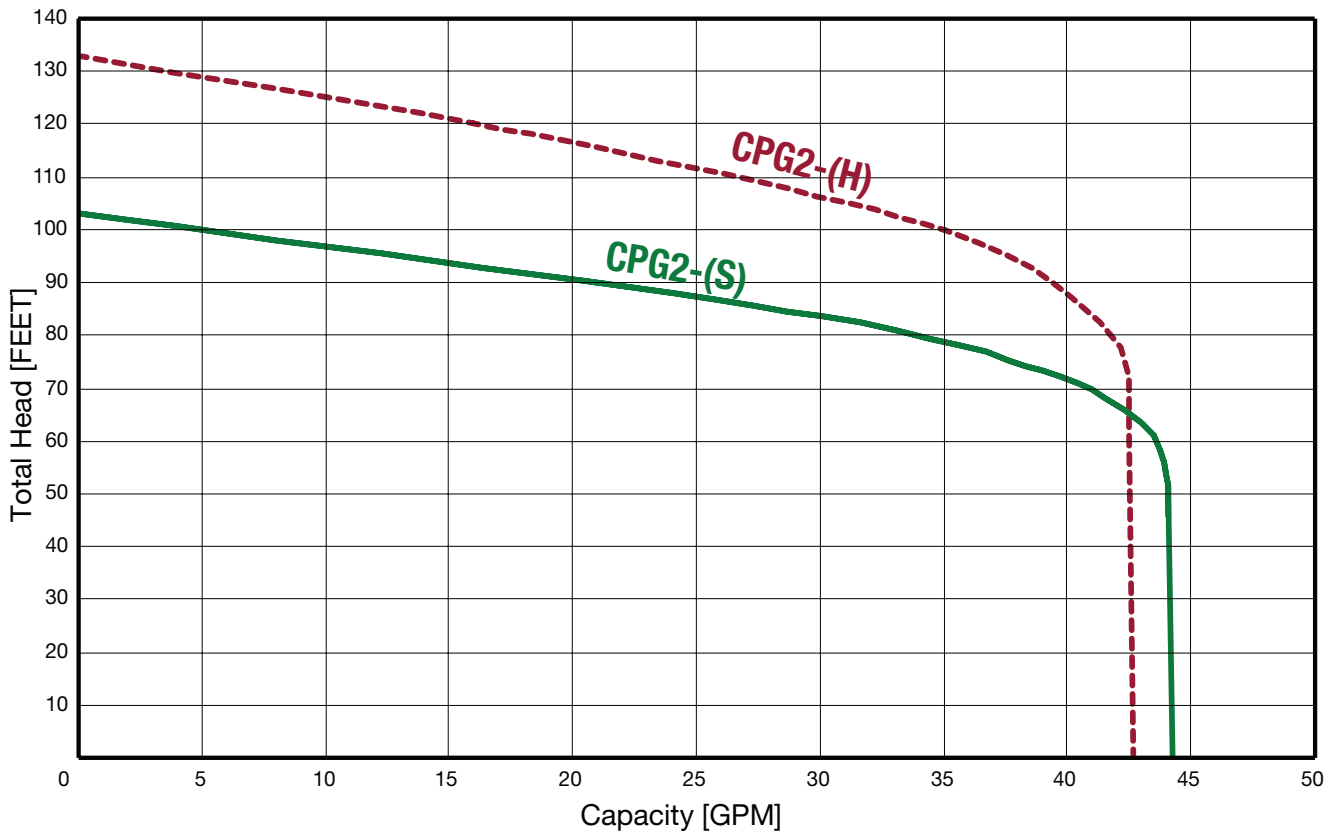
1 - Single Phase Motor
 3 - 3 Phase Motor

HEAD

S - Standard Head (103 Feet)
 H - High Head (133 Feet)

START COMPONENTS

I - Internal Start Components
 E - External Start Components



1. Sealed Entrance-Replaceable Power Cord

Easy to replace, prevents water from entering the motor housing through a cut power cord. Warranty is not voided if plug is cut off.

2. Internal or External Start Kit

Internal Start / Run capacitor in the motor. External Start / Run capacitor design for capacitors in the control panel.

3. Pump Design

The centrifugal submersible grinder pump is capable of reducing all material found in normal residential and light industrial sewage containing small quantities of plastic, disposable diapers, sanitary napkins, rubber, food particles and other non-abrasive solids into a finely ground slurry. Heavy duty ASTM A48, Class 30 cast iron components.

4. Strong Motor

Non-overloading high torque for powerful and reliable pump operation. The rotor and stator assembly is of the standard frame design. The motor windings shall be of Class B insulation and operate in a sealed environment containing clean dielectric oil, making it capable of operating in a totally, partially or non-submerged condition for extended periods of time without damage due to the heat being generated.

5. 2-Bearing Support

Pump shall utilize a 2-Bearing design operating in an oil bath atmosphere, consisting of an upper single row, an intermediate single row, ball bearing for thrust loads and a lower bronze sleeve bearing for radial loads to prevent shaft deflection. Long 50,000-hour B-10 bearing life.

6. Tandem Double Mechanical Seal Protection

Each shaft seal prevents leakage between the pump and motor. The upper seal is constructed of a carbon rotating face and ceramic stationary face, 300 series stainless steel hardware, and all elastomer parts to be Buna-N. The lower seal is silicon carbide rotating face and stationary face, 300 series stainless steel hardware, and all elastomer parts to be Viton.

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. The impeller shall be capable of being trimmed to meet specific performance characteristics.

8. Proven Grinder Assembly

The shredding ring and radial cutter shall be constructed of 440C stainless steel hardened to a minimum Rockwell C55 and shall be finish for a fine cutting edge. The grinding mechanism shall be constructed to eliminate clogging and jamming under starting and all normal conditions and capable of passing stringy type solids through the pump without roping or winding the material.

9. Accessories Included

Stainless steel lifting handle and anti-vibration rubber mounting feet are included with the pump.

