

SGV³

THREE BEARING DOUBLE SEAL CENTRIFUGAL GRINDER PUMPS

The cost and efficiency benefits of low pressure sewer systems includes the advantages of the exclusive quick-connect power cord

Add the installation and maintenance benefits of the exclusive one plug, quick connect power cord to the proven performance of the SGV, submersible grinder vortex pump, and you have arguably the most cost effective solution available to difficult sewer problems. The custom-molded plug design provides bubble-tight sealing assurance.

SGV Pump Advantages

- Recessed vortex impeller design virtually eliminates pump damage from cavitation
- Unique and robust 3-bearing shaft support design significantly extends mechanical seal life by minimizing shaft deflection
- Cast iron impeller will not corrode
- Exclusive Slicerator grinder eliminates jams
- Quick-connect power cord eliminates wiring mistakes
- Available from factory with pre-wired and tested basin package
- Available in 2 hp, 3 hp, 5 hp, and 7.5 hp models
- Double mechanical seal provides clean environment for long life

UltraGrind™ Systems Offer

- Low initial costs
- Extended MTBSC (Mean Time between Service Calls)
- Low life-cycle costs
- Installation ease
- Trouble-free operation

High Capacity

To 200 (duplex) gpm; heads to 160 ft TDH

Installation and Start-Up Assistance

Barnes' maintenance experts can provide on site training and assistance to make sure installation is correct, efficient and easily repeatable.

SGV pumps provide broad design flexibility with a choice of basin configurations. The UltraCAP II™ dry well level control system options and a variety of control panels and accessories allow system customization. Exclusive non-fouling controls eliminate routine, maintenance service calls.



5hp 1ph only

Barnes SGV Series

(A) **Exclusive Slicerator™**

The staggered slicing action of the radial grinder cutter dramatically reduces the torque requirement of the motor, cuts with less horsepower, and increases the unit's efficiency. This helps prevent clogging with particularly troublesome objects such as plastic, rubber, sanitary napkins, disposable diapers and cloth items.

(B) **UltraCAP II™ Removable Dry Well**

Optional rotomolded polyethylene removable dry well with integrated control panel eliminates the need to connect any wires inside the pump station.

(C) **Stealth™ Control Panels**

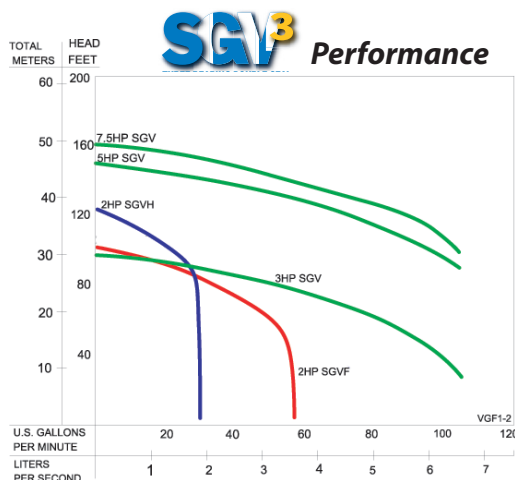
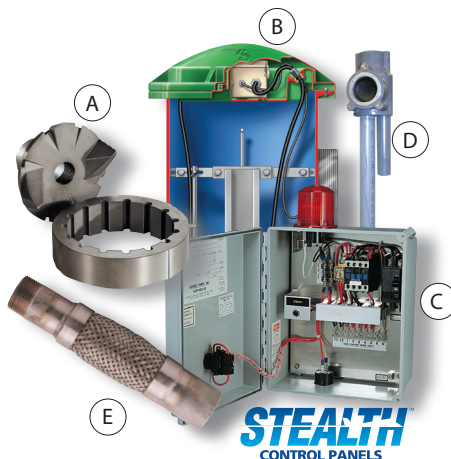
UL Listed, family of Stealth control panels provides cost effective and reliable pump station operation along with potential malfunction warning.

(D) **Level Control Systems**

Options including modularized control assemblies are available including mechanical floats and the ESPS™ (Environmentally Sealed Pressure Switch).

(E) **Flexible Connector**

Prevents potential misalignment problems by compensating for different settling rates of basin and discharge pipe.



SGV Features

1. Barnes SGV heavy-duty grinder pump for trouble-free operation in commercial and residential applications.
2. Cast iron vortex impeller handles sewage slurry with no possibility of clogging.
3. Exclusive Slicerator easily reduces solids to a fine slurry.
4. Double mechanical seal operates in a clean oil environment for maximum life. Optional moisture detector available.
5. Oil-filled motor provides outstanding cooling as well as an ideal environment for optimum bearing life.
6. Exclusive quick connect power cord is pre-wired, one plug makes installation quick and easy while startup problems are virtually eliminated. Custom molded design seals tight and reduces strain.

CRANE

A Crane Co. Company

PUMPS & SYSTEMS

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