

FLOODSTOP®

IPS CORPORATION

STOP FLOOD DAMAGE BEFORE IT EVER STARTS™

Grinder Pump

1 HP - 50 GPM

Designed to grind and pump sewage containing tough materials including disposable wipes, tissue paper, and feminine hygiene products. A cutter inside the inlet will grind materials into small particles. The powerful motor and engineered cutting system reduces clogging risk and makes discharge smoother.

Features

- Vortex impeller reduces clogging
- Special stainless steel cutter with heavy abrasive resistance
- Reliable and durable double mechanical seal
- Internal disc overload protection protects pump from overheating or other mechanical fault
- High head enables long distance water movement

Typical Applications

- Pressurized sewage treatment system
- Community sewage system
- Domestic wastewater
- Wastewater and sewage discharge for paper mill, textile factory and food processing



Pre-packaged Grinder System



- 1 HP cast iron grinder pump with non-clog vortex impeller, stainless steel cutter, tethered float switch, and piggyback plug
- 24 x 24 poly basin
- 2D/2V 18" basin cover (2" threaded discharge flange, 2" threaded vent flange, access port with float pole, dedicated power cord and switch cord grommets)
- 2 in. silent solvent weld shutoff check valve included
- 4" Stop "N" Seal Inlet Hub included

PRODUCT	DESCRIPTION	MODEL
22411	Grinder Pump, 1 HP, Tethered Float Switch, 20' Cords	FSGP100
22505	24x24 Pre-Plumbed Grinder System, 1 HP, Tethered Float Switch, 20' Cords	FSGP1002424B

APPLICATION

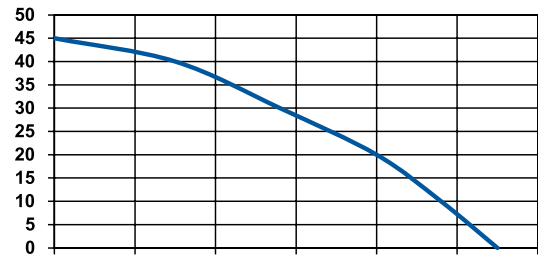
Submersible grinder pumps for typical residential applications

Voltage	115
Hertz	60
Phase	Single
RPM	3450RPM
Motor type	(CSCR)
Insulation	Class B
Circuit requirments	62 AMP
Duty rating	Continuous*
Shaft seal	Mechanical seal
Motor Shaft	Stainless steel
Upper motor bearing	Ball bearing
Lower motor bearing	Ball bearing
Cooling	Oil cooled
Motor protection	Auto reset thermal overload protector

PUMP SPECIFICATIONS

Discharge size	2" NPT
Cord Length	20'
Cord type	SJOW 14AWG/3C, UL list
Pump Housing	Cast iron
Pump Base	Cast iron
Impeller material	Cast iron
Gasket	Rubber
Solids handling	1/10" spherical
Liquid temp.range	32°-104°F
Operation	non-automatic
Fasteners	Stainless steel
Maximum flow rate	56 GPM
Maximum head	63 ft
Max pressure	27 psi

PERFORMANCE



MODEL	HP	Amps	DISCHARGE HEIGHT (ft)	0	10	20	30	40	50
FSGP100	1	12.5	GPM	55	48	40	28	15	0
			GPH	3300	2880	2400	1680	900	0

DIMENSIONS

