

Cast Iron Grinder Pump

SWG20001LSK	2 HP	35 GPM
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SWG20001DBK	2 HP	50 GPM
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Designed to grind and pump sewage containing tough materials including disposable wipes, tissue paper, and sanitary napkins.

A cutter inside the inlet will grind materials into small particles. The powerful 2 HP 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 moving water to far distance
- 230 volt, single phase, 3450 RPM, 15 AMPS

Typical Applications

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



Performance

Model No.	HP	Discharge Flow (GPM)							
		0'	70'	80'	90'	100'	110'	120'	130'
SWG20001LSK	2	35	32	30	25	20	15	10	0
SWG20001DBK	2	50	43	40	30	20	10	0	

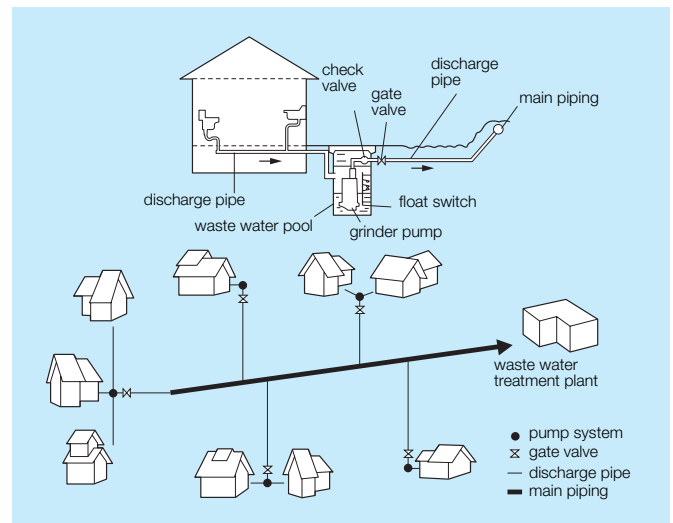
Cast Iron Grinder Pumps

Model No.: **SWG20001DBK/SWG20001LSK**

Specifications:

Outlet Diameter (In.)		1-1/4	
Pumping Liquid	Liquid Type:	waste water and sewage	
	Liquid Temperature	0°C-40°C	
Pump	Construction	Impeller	vortex impeller
		Shaft Seal	double mechanical seal
		Bearing	heavy duty sealed bearing
	Material	Impeller	cast iron
		Housing	cast iron
		Cutter	stainless steel
Shaft Seal	SIC		
Motor	Type, Pole	water-cooling induction motor, 2 poles	
	Insulation Grade	F	
	Phase	single	
	Overload Protection	disc type overload protection	
	Lubricating Oil	ISO VG32	
	Material	Motor Housing	gray cast iron
		Shaft	SS
Power Cord		NBR	
Discharge		1-1/4 in. FNPT spiral flange	

Illustration of pressurized sewage treatment system

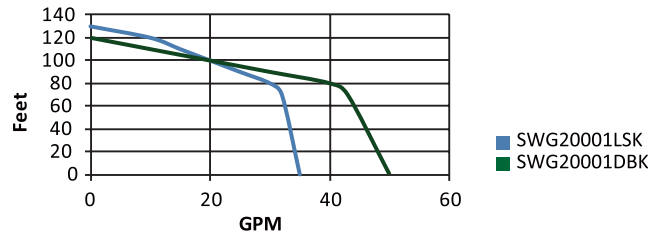


Grinding Capabilities



Application	
Submersible grinder pumps for typical residential applications	
Voltage	230
Hertz	60
Phase	Single
RPM	3450RPM
Motor type	(CSCR)
Insulation	Class B
Circuit requirements	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	1-1/4"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	50 GPM
Maximum head	120ft
Max pressure	51psi

Performance



Model	HP	Amps	Discharge Height(ft)	0	70	80	90	100	110	120
				GPM	GPH	GPM	GPH	GPM	GPH	GPM
SWG20001LSK	2	15		35	32	30	25	20	15	10
				2100	1920	1800	1500	1200	900	600
SWG20001DBK	2	15		50	43	40	30	20	10	0
				3000	2580	2400	1800	1200	600	0

Dimensions

