

SXG and AEG Simplex & Duplex Controls For Liberty SG200-Series Grinder Pumps

SXG-Series Simplex Control

Provides adjustable, reliable control of a single pump in either residential or commercial applications. Engineered specifically for use with SG200-Series grinder pumps.

FEATURES:

- NEMA 1 or NEMA 4X enclosure
- IEC-type motor contactor
- Pump circuit breaker
- Pump start and run capacitors
- Pump thermal overload protection
- Seal leak indicator light
- HOA switch
- Alarm horn and beacon
- UL and cUL listed

Includes 3 control and alarm float switches with 20' cords.
Many other options available – consult factory.

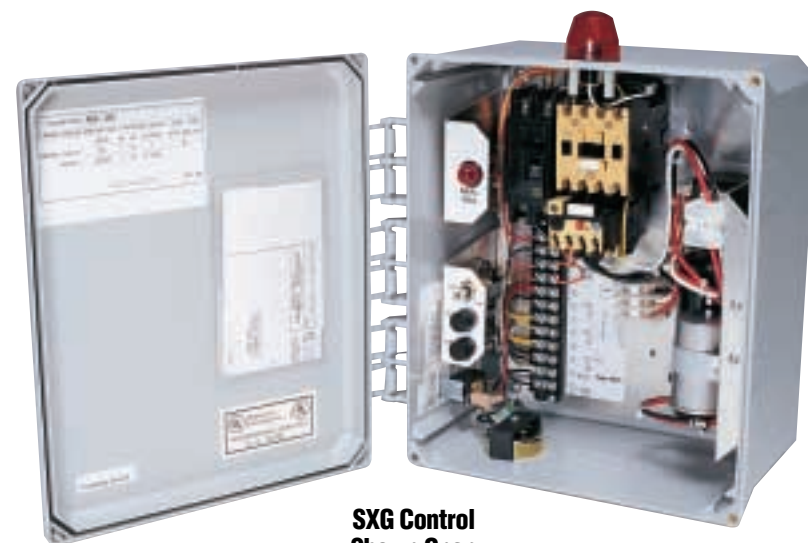
AEG-Series Duplex Control

Provides reliable, alternating control of two pumps in either residential or commercial applications. Engineered specifically for use with SG200-Series grinder pumps.

FEATURES:

- NEMA 4X enclosure (not available in NEMA 1)
- Magnetic motor contactors
- Pump circuit breakers
- Pump start and run capacitors
- Pump thermal overload protection
- Seal leak indicator lights
- HOA switches
- Alarm horn and beacon
- UL and cUL listed

Includes 3 control and alarm float switches with 20' cords.
Many other options available – consult factory.



SXG Control
Shown Open



SXG Control
Shown Closed

Liberty Pumps

SG200-SERIES GRINDER PUMP

1-1/4" Discharge
2 hp

For demanding sewage applications
requiring difficult solids-handling
ability and/or high pressure or head

MODELS:

SG202M
Grinder Pump, 2hp, 230V,
1 phase, manual

ACCESSORIES:

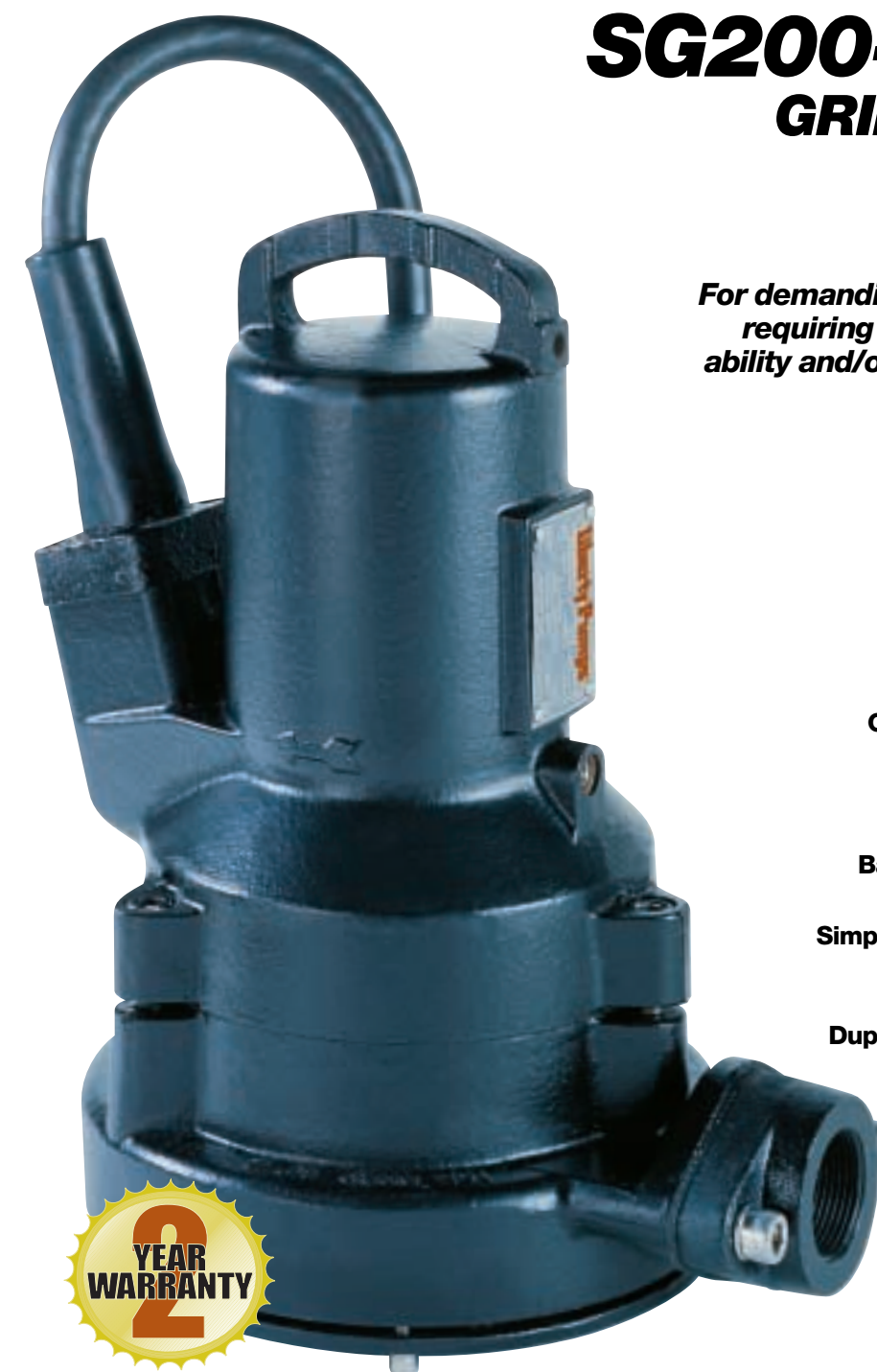
GR10
Guide rail assembly, cast iron

VB10
Base (for vertical mounting)

HB20
Base (for horizontal mounting)

SXG6112W
Simplex pump control with alarm,
Nema 4X

AEG214-3
Duplex pump control with alarm,
Nema 4X



Specifications are subject to change without notice.

SG200-SERIES

Grinder Pumps



Specifications are subject to change without notice.

Liberty's SG200-Series Grinder Pumps meet the demanding needs of commercial and residential sewage applications where difficult solids-handling ability is crucial. The SG200-Series features a superior cutting system made of hardened stainless steel – Rockwell C 58-62, for shearing solids into small particles prior to being passed to the discharge by the impeller under high pressure. Applications include individual or groups of homes, motels, schools, shopping centers, lakefront developments and systems requiring high pressure sewage pumping.

FEATURES:

- 2 hp, heavy-duty motor with self-lubricating ball bearings – needs no servicing
- Cast iron motor housing
- Stainless steel rotor shaft

- Dual seals with electronic monitor probe for early seal failure warning
- Silicon carbide shaft seal
- Air filled (dry) motor housing
- Stator insulated against heat and humidity to Class F (155°C).
- Advanced cutting system made of hardened stainless steel – Rockwell C 58-62 with adjustable bottom plate
- 30' power cord
- Available with bases for either vertical or horizontal mounting (order separately)
- Straight discharge for guide rail, horizontal or vertical mounting
- Back vanes on impeller and spiraled bottom plate for superior solids clearing
- All stainless steel fasteners

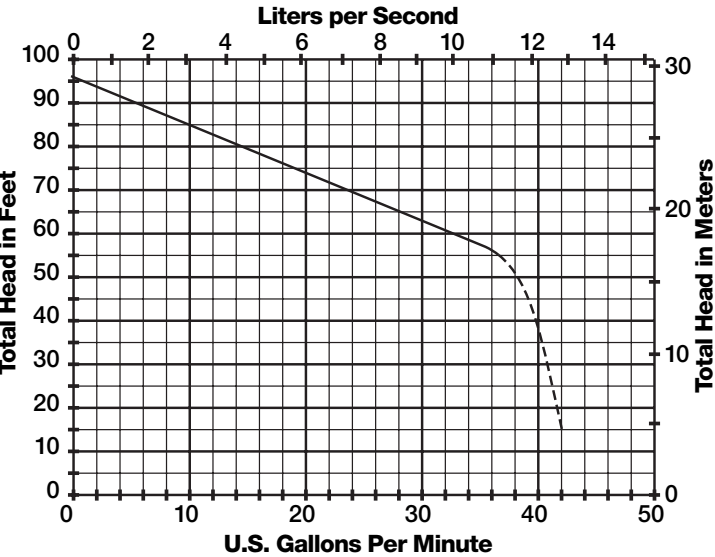
Pump motor capacitors, thermal overload protection and seal fail indicator are incorporated in control panel. See back page for control information.

SG200-Series pumps must be ordered with a correct matching control device for automatic operation. See back page for simplex and duplex control information.

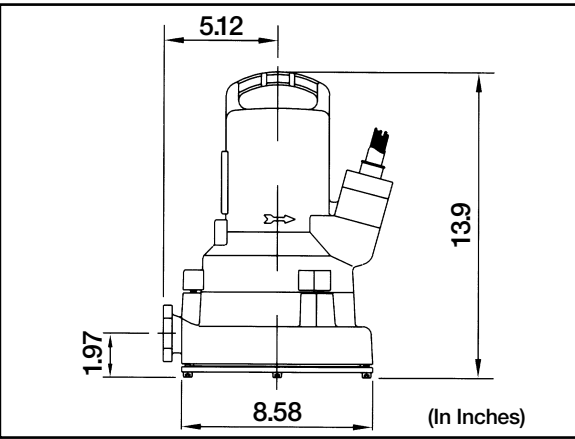
SG200-SERIES SPECIFICATIONS

Model	HP	Volts	Phase	HZ	Amps	Locked Rotor Amps	Speed (RPM)	Cable Length	Discharge	Width	Height	Wgt. lbs.
SG202M	2	230	1	60	9.2	29.4	3450	30'	1-1/4"	11"	14"	74
Maximum Fluid Temp. 104°F (40°C)												

Performance Curve: SG200-Series



Dimensional Line Drawing

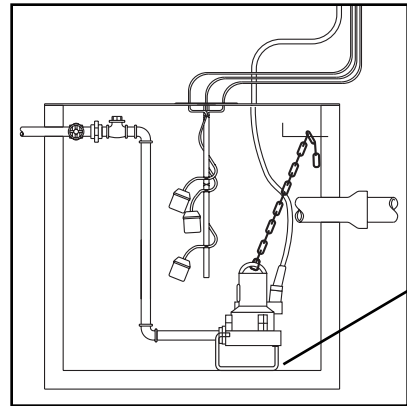


ACCESSORIES

SG200-SERIES

BASE MOUNTED INSTALLATIONS

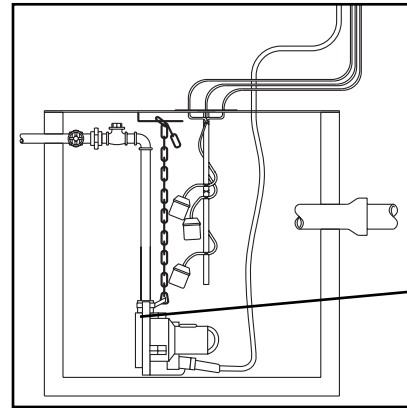
Vertical Mounting with VB10 Base



Model VB10
Base,
vertical mounting

*Typical installations shown.
Actual installations may vary.*

Horizontal Mounting with HB20 Base



Model HB20
Base,
horizontal
mounting

*Typical installations shown.
Actual installations may vary.*

GUIDE RAIL INSTALLATION

Model GR10 (for vertical installations only)

For installations in a deep sump, Liberty offers the GR10 guide rail system. The GR10 allows connection of the pump to the discharge pipe by gravity. Pumps are lowered down a single 1-1/4" guide rail pipe. As the pump reaches the guide rail base, an angled slot in the pump bracket aligns, and squares the pump with the mating flange of the guide rail base. For inspection and service, the pump can be easily lifted without personnel entering the wet well.



GR10 includes:

- Cast iron pump bracket with integral ball check valve (bolts to pump discharge)
- Cast iron guide rail base (bolts to base of pit)
- Upper guide rail support bracket (bolts to side of pit to support the top of the guide rail pipe)

Piping and chain not included

Model GR10 works only with SG200-Series pumps.