

# WASTEWATER

GRINDER PUMPS & PACKAGED SYSTEMS

LittleGIANT<sup>®</sup>



# WASTEWATER

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Little Giant GP Series grinder pumps are ideal for residential and light commercial sewage waste transfer where high head conditions exist

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Direct simplex replacement grinder for positive displacement grinder systems

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## GRINDER PUMPS

### GP-M SERIES – MANUAL GRINDER PUMP

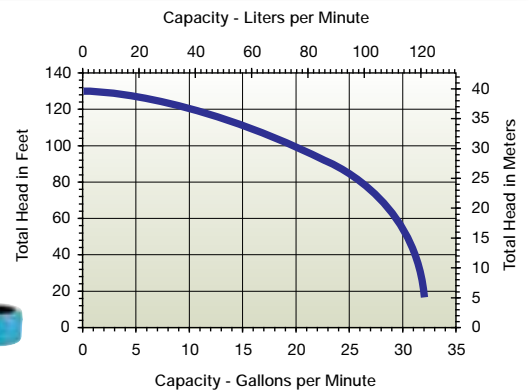
**520865 - GP-M231-15-H130**  
**520855 - GP-M201-15-H130**

- Powerful 2 hp single-phase, 3450 rpm with capacitor start/run motor with built-in overload protection to prevent over-current and over-temperature damage
- High starting torque motor to handle the demands of grinding domestic sewage
- Epoxy-coated cast iron finish for corrosion resistance and durability
- Compact, easy to lift pump
- Externally mounted start components\*
- Mechanical seal: carbon/ceramic seals
- Deflection-resistant, short motor shaft
- Corrosion-resistant brass impeller minimizes downtime and maintenance
- Seven-vane, angled face, non-clogging balanced impeller
- Tight cutting clearances for superior cutting action, grinding 414,000 cuts per minute



520865

(U.S. Patent No. 7,237,736)



\* The GP Series requires a specific control panel or capacitor kit from Little Giant matched to the pump for proper operation and third-party approval

Item No.	Model No.	HP	Volts	Hz	Full Load Amps/Watts	Switch Type	Performance (GPM @ Head)						Shut-off	PSI	Weight (lbs)
							20'	40'	60'	80'	100'	120'			
520855	GP-M201-15-H130	2	208	60	13.9/3200	-	32	31	30	25	20	10	130'	56	100
520865	GP-M231-15-H130	2	230	60	13.9/3200	-	32	31	30	25	20	10	130'	56	100

### GP-A SERIES – AUTOMATIC GRINDER PUMP

**520875 - GP-A231-20**  
**520877 - GP-A231-20**  
**520885 - GP-A201-20**

- Powerful 2 hp single-phase, 3450 rpm with capacitor start/run motor with built-in overload protection to prevent over-current and over-temperature damage
- High starting torque motor to handle the demands of grinding domestic sewage
- Epoxy-coated cast iron finish for corrosion resistance and durability
- Optional mechanical float switch for automatic operation
- Automatic operation with leg kit and tether at 9":
  - "On" 23" - 25"
  - "Off" 9" - 11"
- Start/Run components encased in oil-free chamber unique for easy access - requires no control panel
- Mechanical seal: carbon/ceramic
- Deflection-resistant, short motor shaft
- Corrosion-resistant brass impeller
- Seven-vane, angled face, non-clogging impeller
- Tight cutting clearances for superior cutting action, grinding 414,000 cuts per minute
- GLK - Grinder Leg Kit included



520885

(U.S. Patent No. 7,237,736)

Item No.	Model No.	HP	Volts	Hz	Full Load Amps/Watts	Switch Type	Performance (GPM @ Head)						Shut-off	PSI	Weight (lbs)
							20'	40'	60'	80'	100'	120'			
520875	GP-A231-20	2	230	60	13.9/3200	Mechanical Float	32	31	30	25	20	10	130'	56	100
520877*	GP-A231-20	2	230	60	13.9/3200	-	32	31	30	25	20	10	130'	56	100
520885	GP-A201-20	2	208	60	13.9/3200	Mechanical Float	32	31	30	25	20	10	130'	56	100

\* Leg kit not included.

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## GRINDER PUMPS

### SIMPLEX PACKAGED SYSTEMS

520827 – GP-SMPX2460

520828 – GP-SMPX2472

520829 – GP-SMPX2484

#### PUMP FEATURES

- Powerful 2 hp single-phase, 3450 rpm with capacitor start/run motor with built-in overload protection to prevent over current and over-temperature damage  
Capacitor start/run motor with built-in overload protection for over-current and over-temperature damage
- High starting torque motor to handle the demands of grinding domestic sewage
- Epoxy-coated cast iron finish for corrosion resistance and durability
- Designed with a seven-vane, angled face, non-clogging, balanced brass impeller
- Tight cutting clearances for superior cutting action, grinding 414,000 cuts per minute

#### SYSTEM FEATURES

- Control panel with integral pump starting components
- Three control float switches, On, Off, and High Water Alarm
- Stainless steel float bracket
- Junction box
- Check valve
- Basins are heavy-duty fiberglass material. Simplex basins are 24" diameter, and are available in 60", 72", and 84" depths
- 4" adapt-a-flex inlet grommet
- Structural foam cover, stainless steel rail system with sealing flange, discharge pipe disconnect, stainless steel lifting chain, ball check valve, and shut-off valve
- Easy-to-follow installation instructions



Item No.	Model No.	Pump Voltage	Basin Size (diameter x depth)	Basin Description	Basin Construction
520827	GP-SMPX2460	230	24" x 60"	BS2460FG	Fiberglass
520828	GP-SMPX2472	230	24" x 72"	BS2472FG	Fiberglass
520829	GP-SMPX2484	230	24" x 84"	BS2484FG	Fiberglass

For special orders and other configurations call 1.866.271.2859

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## GRINDER PUMPS

### DUPLIX GRINDER PACKAGED SYSTEMS

#### PUMP FEATURES

- Powerful 2 hp single-phase, 3450 rpm with capacitor start/run motor with built-in overload protection to prevent over-current and over-temperature damage
- High starting torque motor to handle the demands of grinding domestic sewage
- Capacitor start/run motor with built-in overload protection for over-current and over-temperature damage
- Epoxy-coated cast iron finish for corrosion resistance and durability
- Designed with a seven-vane, angled face, non-clogging, balanced brass impeller
- Tight cutting clearances for superior cutting action, grinding 414,000 cuts per minute

#### SYSTEM FEATURES

- Two cast iron ball check valves
- Control panel with integral pump starting components
- Four control float switches
- Stainless steel float bracket
- Junction box
- Basins are heavy-duty fiberglass material. Duplex basins are 36" diameter, and are available in 48", 60", 72", 84", 96", 108", and 120" depths
- 4" adapt-a-flex inlet grommet
- Solid fiberglass cover, stainless steel rail system with sealing flange, discharge pipe disconnect, stainless steel lifting chain, ball check valve, and shut-off valve
- Easy-to-follow installation instructions



Item No.	Model No.	Pump Voltage	Basin Size (diameter x depth)	Basin Description	Basin Construction	Basin Height (A)	Discharge Center Line Installed (B)
520760	GP-DPLX3648	208	36" x 48"	BS3648FG	Fiberglass	48"	12"
520761	GP-DPLX3660	208	36" x 60"	BS3660FG	Fiberglass	60"	36"
520762	GP-DPLX3672	208	36" x 72"	BS3675FG	Fiberglass	72"	36"
520763	GP-DPLX3684	208	36" x 84"	BS3684FG	Fiberglass	84"	36"
520764	GP-DPLX3696	208	36" x 96"	BS3696FG	Fiberglass	96"	36"
520765	GP-DPLX36108	208	36" x 108"	BS36108FG	Fiberglass	108"	48"
520766	GP-DPLX36120	208	36" x 120"	BS36120FG	Fiberglass	120"	48"
520840	GP-DPLX3648	230	36" x 48"	BS3648FG	Fiberglass	48"	12"
520841	GP-DPLX3660	230	36" x 60"	BS3660FG	Fiberglass	60"	36"
520842	GP-DPLX3672	230	36" x 72"	BS3672FG	Fiberglass	72"	36"
520843	GP-DPLX3684	230	36" x 84"	BS3684FG	Fiberglass	84"	36"
520844	GP-DPLX3696	230	36" x 96"	BS3696FG	Fiberglass	96"	36"
520845	GP-DPLX36108	230	36" x 108"	BS36108FG	Fiberglass	108"	48"
520846	GP-DPLX36120	230	36" x 120"	BS36120FG	Fiberglass	120"	48"

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## GRINDER PUMPS

### HARD PIPED PACKAGED SYSTEMS

#### SIMPLEX

- 2 hp GP Series automatic grinder pump eliminates the need for a control panel
- Check valve
- 4" adapt-a-flex inlet
- Basin is constructed with heavy-duty fiberglass material
- Basin comes configured with hard pipe installation
- Cover is ribbed structural foam and green in color to blend with terrain
- 1-1/4" FNPT discharge flange factory installed



Item No.	Model No.	Pump Voltage	Basin Size (diameter x depth)	Basin Description	Basin Construction
520824	GP-SMPXFG-HP	230	24" x 48"	BS2448FGHP	Fiberglass
520825	GP-SMPXFG-HP	230	24" x 60"	BS2460FGHP	Fiberglass

#### DUPLEX

- 2 hp GP Series grinder pumps
- 4" adapt-a-flex inlet
- Basin is 36" x 48" heavy-duty fiberglass material
- Basin comes configured with hard pipe installation
- Solid fiberglass cover with non-skid surface and green in color to blend with terrain
- 1-1/4" FNPT discharge flange factory installed
- Four weighted control floats
- Control panel with integral pump starting components

Item No.	Model No.	Pump Voltage	Basin Size (diameter x depth)	Basin Description	Basin Construction
520767	GP-DPLXFG-HP	208	36" x 48"	BS2448FGHP	Fiberglass
520847	GP-DPLXFG-HP	230	36" x 48"	BS2448FGHP	Fiberglass

### RETRO FIT KITS

#### RETRO FIT KITS

- Fast, simple, and easy installation
- Epoxy-coated steel cover
- Water-tight junction box for ease of installation and servicing
- 1-1/4" cast iron anti-siphon/check valve
- 1-1/4" NPT piping
- Adjustable alarm float switch preset at factory
- 2 hp, 3450 rpm, high starting torque, automatic grinder pump with mechanical float switch
- Tight cutting clearances for superior cutting action, grinding 414,000 cuts per minute
- Quick disconnect plug
- Rigid construction for ease of handling
- Telescoping discharge (520835 only)



Item No.	Model No.	Volts	Hz	Phase	Full Load Amps/Watts	Performance (GPM @ Head)						Shut-off	PSI	Weight (lbs)
						20'	40'	60'	80'	100'	120'			
520836	GP-A-RFK	230	60	1	13.9/3200	32	31	30	25	20	10	130'	56	135
520835	GP-A-RFKT	230	60	1	13.9/3200	32	31	30	25	20	10	130'	56	135

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## GRINDER PUMPS

### ACCESSORIES

#### CONTROL PANEL AND ALARM – DESIGNED EXCLUSIVELY FOR THE GP MANUAL GRINDER SERIES

- Corrosion-resistant NEMA 4X waterproof enclosure
- HOA switch allows for “Hand” (manual), “Off” or “Automatic” operation
- Contains start and run capacitors and start relay designed for 2 hp, GP Series grinder pump
- Alarm on/off switch

#### SIMPLEX

Item No.	Model No.	Volts	Floats	FLA	Phase
513374	MGP-1C18-2	208-230	3 floats required*	14	1

#### DUPLEX

Item No.	Model No.	Volts	Floats	FLA	Phase
513375	MGPD-1C18	208-230	4 floats required*	34	1

\* Floats sold separately.

#### JUNCTION BOX ALARM KIT – DESIGNED SPECIFICALLY FOR AUTO GRINDER INSTALLATIONS

- Corrosion-resistant NEMA 4X waterproof enclosure
- Circuit breaker
- Labeled terminal block
- Alarm beacon
- Alarm float

Item No.	Model No.
513297	JBAK

#### CONTROL FLOATS – FOR USE WITH CONTROL PANELS AND ALARMS

- Mechanically activated contacts
- Not sensitive to rotation
- 5 amp, 115/230 VAC, 50/60 Hz

Item No.	Model No.	Switch	Floats
950266	CFSW	Weighted control float switch	20' 6 m
950267	CFST	Control float switch with cable clamp	20' 6 m

#### CAPACITOR KIT – FOR GP SERIES

- Includes start capacitor, run capacitor, relay, end caps, and mounting hardware

Item No.	Model No.	Volts
520857	GP-CK	208-230

#### GRINDER LEG KIT

- Includes three stainless steel support legs with stainless steel hardware for hard pipe installations
- Easy to install, the legs raise the pump inlet area to approximately 4" (102 mm) off the surface to ensure clearance for solids to enter

Item No.	Model No.	Use
599078	GLK	For GP Series only



**Franklin Electric**

P.O. Box 12010  
Oklahoma City, OK 73157-2010  
Phone: 1.800.701.7894  
Fax: 1.800.678.7867  
[www.franklinwater.com](http://www.franklinwater.com)

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