

# ITT

Wastewater

## CentriPro

### SINGLE PHASE GRINDER CONTROL PANELS

G3-Simplex and G6-Duplex

Use only with 1GD or 12GDS Pumps  
built before December 2005



CentriPro is a brand of ITT Corporation.

[www.centripro.com](http://www.centripro.com)

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**These panels are compatible with only 1GD or 12GDS pumps requiring external capacitors and overloads in the control panel. Pump date code will be before December 2005.**



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## CENTRIPRO Wastewater

### SIMPLEX, 60 HZ



Model No.	HP	Phase	Volts
G3-2012	2	1	208/230

#### Standard Panel Includes:

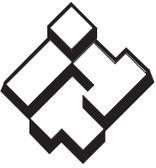
- NEMA 3R steel dead-front enclosure with locking hasp.
- Pump circuit breaker.
- Control circuit breaker.
- HP-rated magnetic contactor.
- 115 V control circuit.
- Start and run capacitors.
- Starting relay.
- Run indicator light.
- Hand-off-auto switch.
- High liquid level alarm circuit with:
  - Flashing red alarm light
  - Off-reset-normal switch.
- Terminal strips for all external wiring connections.
- All panels and options UL and CSA listed.
- Separate liquid level control floats required, order separately.
- Manual reset motor overload protection.
- Automatic reset high temperature motor cut-out.

### OPTIONS

Rating	Optional Enclosures	Simplex Order No.	Duplex Order No.
NEMA 4	Steel, Hinged Door	3120	6120
NEMA 4X	Fiberglass, Hinged Door	3130	6130
NEMA 12	Steel, Hinged Door	3140	6140
	<b>Options</b>		
NEMA3/3R/4/4X/12	Through-door mounted HOA switch and runlight. (Provides access without opening enclosure.)	3200	6200
All	Inner door (hinged) on dead-front panel. (Provides access to switches without hazard of entering actual panel.)	3240	6240

**NOTE:** These enclosures do not include an audible alarm device (bell, horn) or a seal fail circuit.

**Enclosure Options** – if options are required please order the panel as G3-2012SPL or G6-2012SPL followed by the desired options listed in numeric order on your purchase order. If more than a few options are needed please complete and fax us a Panel Quote Request Form along with the engineer's (end user's) written specifications. It is usually less expensive to quote custom panels than to add several options to a standard panel.



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## CENTRIPRO Wastewater

### DUPLEX, 60 HZ



Model No.	HP	Phase	Volts
G6-2012	2	1	208/230

#### Standard Panel Includes:

- NEMA 3R steel dead-front enclosure with locking hasp.
- Two pump circuit breakers.
- One control circuit breaker.
- 2 HP-rated magnetic contactor.
- 115 V control circuit.
- Start and run capacitors.
- Starting relay.
- Alternator circuit.
- Two run indicator lights.
- Two hand-off-auto switches.
- High liquid level alarm circuit with:  
Flashing red alarm light  
Off-reset-normal switch.
- Dry alarm contacts.
- Terminal strips for all external wiring connections.
- Manual reset motor overload protection.
- Automatic reset high temperature motor cut-out.
- Separate liquid level control floats required, order separately.
- All panels and options UL and CSA listed.
- Alternator selector switch allows a choice of automatic alternation or operation of only pump 1 or pump 2. Typically used if one pump is down for maintenance.
- Lag pump start delay built-in. Delays starting lag pump for 5 seconds if both pumps attempt to start simultaneously as after a power outage.

**Enclosure Options** – if options are required please order the panel as G3-2012SPL or G6-2012SPL followed by the desired options listed in numeric order on your purchase order. If more than a few options are needed please complete and fax us a Panel Quote Request Form along with the engineer's (end user's) written specifications. It is usually less expensive to quote custom panels than to add several options to a standard panel.



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### DUPLEX ALARM CIRCUITS

	Order No.
1. Additional extra alarm circuit. (Provides a second high or low level alarm system.)	6310L
2. Separate high-level alarm circuit. (Provides four float system.)	Standard*
3. Guaranteed pump submergence circuit. (Overrides manual and automatic operation of pumps.)	6320
4. Extra set of dry contacts. (Used for signal of remote alarm device.)	Call Factory
5. Seal failure circuit with two (2) indicator lights. (Monitors moisture sensors on dual seal pumps.) A. Circuits built in A6 panel	6350
B. Circuits in separate NEMA 3R enclosure (Used in conjunction with existing panel.)	A4-3

\* The standard panel can now be converted from a three to a four float design by removing a jumper wire. There is no longer a need to add this option.

### DUPLEX POWER EQUIPMENT

	Order No.
1. Main circuit breaker. (Installed before pump and pilot.) Single phase, 230 V	6600
2. Through-door operating mechanism for above circuit breaker. (Provides external interlock on door to prevent electrical hazard, rated NEMA 3/3R/4.) Single phase	6630

### DUPLEX ACCESSORIES

	Order No.
1. Condensation heater – 115 V	6710
2. Elapsed time meter. (Mounted inside cabinet indicates pump run time.)	6740
3. Cycle counter two (2). (Mounted inside cabinet indicates number of pump starts.)	6750
4. Intrinsically safe controls. (One required for each float.)	6760
5. Float switch test push buttons three (3). (Overrides float switches to simulate operation of level controls.) B. NEMA 3R/4/4X	6780
6. Lightning arrestor – Single phase	6781

### SIMPLEX ALARM CIRCUITS

	Order No.
1. High-level alarm circuit. (Provides alarm circuit in simplex panel. Choose alarm device to complete the system.)	3300
2. Additional extra alarm circuit. (Provides a second high or low level alarm system.)	3310L
3. Guaranteed pump submergence circuit. (Overrides manual and automatic operation of pumps.)	3320
4. Extra set of alarm contacts. (Used for signal of remote alarm device.) A. Powered	3330
B. Non-powered	3340
5. Seal failure circuit with indicator light. (Monitors moisture sensor on dual seal pumps.) A. Circuit built in A3 panel	3350
B. Circuit in separate NEMA 3/3R enclosure (Used in conjunction with existing panel.)	A4-3

### SIMPLEX POWER EQUIPMENT

	Order No.
Main and control circuit breaker with through-door operator. Single phase, 230 V	3600

### SIMPLEX ACCESSORIES

	Order No.
1. Condensation heater – 115 V	3710
2. Elapsed time meter. (Mounted inside cabinet indicates pump run time.)	3740
3. Cycle counter. (Mounted inside cabinet indicates number of pump starts.)	3750
4. Intrinsically safe controls. (One required for each float.)	3760
5. Float switch test push buttons. (Overrides float switches to simulate operation of level controls.) B. NEMA 3R/4/4X	3780
6. Lightning arrestor – Single phase	3781
7. Convenience outlet (GFI) with circuit breaker protection, mounted internally. – Single phase	3783

### ALARM DEVICES (can be added to simplex or duplex controls)

	Order No.
4" bell	NEMA 3/3R/4/12 6420
Grille Horn	NEMA 3/3R/4/12 6450
Flashing red light Lexan	NEMA 3R/4/4X 6480
8. Remote alarm panel (includes: 4" bell silencer switch, and indicator light; rated NEMA 3/3R). A. Alarm requiring separate power 115 V power supply. (Signaled by dry contacts in main panel.)	6500
B. Alarm to be powered by main panel. (Signaled by powered contacts in main panel.)	0156

**NOTE:** When ordering alarm devices, please note desired voltage and mounting location; top, side, front, etc.



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SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

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