

# BATTERY BACKUP SUMP PUMP SYSTEMS

## DESIGNED FOR THE PROFESSIONAL CONTRACTOR

For added protection and peace of mind, install a Pro Series battery backup system. Pro Series backup systems have 24-hour-a-day monitoring capabilities that sound an alarm when maintenance is needed or if an issue arises. The PHCC-1850, PHCC-2400, PS-C22, PS-C33 and PS-C50 also can communicate with a Pro Series CONNECT™ WiFi Module, home-security system, or other device to alert you to problems or required maintenance when away from home. After all, a backup system with a dead battery, loose cables or a clogged pump is like having no backup at all.

### PRO SERIES BACKUP PUMPS OFFER:

- USB data port and remote terminal which can connect to the Pro Series WiFi Module (PS-WiFi2) or a home-security system (PHCC-1850, PHCC-2400, PS-C22, PS-C33 and PS-C50)
- Powerful pumping capacity
- Monitoring of pump, power and battery conditions
- Compatible with maintenance-free (AGM) or wet-cell batteries
- Exercises the pump weekly to ensure proper operation (PHCC-1850, PHCC-2400, PS-C22, PS-C33 and PS-C50)
- Connect two batteries for extended runtime (PHCC-1850, PHCC-2400, PS-C22, PS-C33 and PS-C50)



### PRO SERIES BACKUP PUMPS PROTECT AGAINST:

Power outages • Main pump failures • Float switch failures • Excessive in-flow of water

### ADJUSTABLE FLOAT SWITCH

with two floats provides added reliability



Features	1000	1850	2400
<b>POWERFUL</b>			
• Pumping capacity (in gallons per hour @ 10-ft. height)	1,000 GPH	1,850 GPH	2,400 GPH
• Pumping capacity (in gallons per hour @ 0-ft. height)	2,000 GPH	2,600 GPH	4,000 GPH
<b>EFFICIENT</b>			
• Charger strength (the higher the Amps, the faster it recharges the battery)	.4 Amps	1.6 Amps	13 Amps
• Caged float switch provides added protection	•	•	•
• System pumps intermittently for days	•	•	•
<b>AUTOMATIC</b>			
• Switches automatically to battery power if AC power fails	•	•	•
• Pumps automatically if water exceeds the capacity of the main AC pump	•	•	•
• Exercises pump weekly to keep healthy	•	•	•
• Tests pump weekly for proper operation	•	•	•
• Pumps on AC power as well as battery power	•	•	•
<b>VERSATILE</b>			
• Designed for use with maintenance-free or wet-cell batteries	•	•	•
• USB data port and remote terminal to connect to Pro Series WiFi Module, home-security system, or other device	•	•	•
<b>USER-FRIENDLY</b>			
• Detects issues, sounds alarm, spots problems & solutions on the control panel	•	•	•
• Alarm can be silenced during a power outage	•	•	•
<b>AN ALARM WILL SOUND, INDICATING THESE POTENTIAL PROBLEMS</b> • Battery is old and needs to be replaced • Battery is discharged or defective • Cable is loose or terminals are corroded • Power, fuse or circuit breaker has failed • Pump has been activated; check the main pump for failure			

## THE CONNECTED PUMP

### STAY CONNECTED WHEN AWAY FROM HOME WITH REMOTE MONITORING

Pro Series Pumps offers connection flexibility not found in other brands, with a USB data port built in, which allows compatible Pro Series systems to connect to the Pro Series WiFi Module (PS-WiFi2). The module then connects to the home's Wi-Fi router, enabling the homeowner to receive a text, email, or push notification telling exactly which issue is occurring or what maintenance is needed. The Pro Series Pumps CONNECT line of products gives homeowners peace of mind by keeping them in the know when on the go.



### PRO SERIES WIFI MODULE 2.0

- Sends email, text, or push notifications to your devices
- NO MONTHLY FEE & simple setup

### PRO SERIES COMPATIBILITY

Backup Systems	Combo Systems	Primary Pump Switch
PHCC-1850 PHCC-2400	PS-C22 • PS-C33 PS-C50	TSC2 • TSC3 • VSC2 VSC3 • DFC2 • DFC3

FOR MORE INFORMATION:  
[WWW.STOPFLOODING.COM/CONNECTED2](http://WWW.STOPFLOODING.COM/CONNECTED2)

Download on the App Store | GET IT ON Google Play

# COMBINATION PRIMARY AND BACKUP SUMP PUMP SYSTEMS

The Pro Series combination systems offer total peace of mind by combining our energy-efficient primary pump and backup pump into one compact system. There is no better protection for the homeowner as the primary pump will operate as long as it is receiving AC power. If the power is interrupted or more water is coming into the sump than the AC pump can handle, the backup sump pump will begin pumping automatically, offering ultimate security.

### KEY FEATURES:

- Already assembled for easy installation
- Compact footprint fits neatly into most sump pits
- Dual float switches provide dependable activation for each pump
- 24-hour-a-day monitoring controller sounds an alarm if maintenance is needed
- USB data port and remote terminal connects to the Pro Series WiFi Module 2.0, or home-security system (PS-C22, PS-C33, PS-C50)
- Includes two check valves and appropriate PVC pipe
- Includes the Sump Foot (SF2A), an elevated platform to keep pumps out of pit debris



Specs	PS-C11		PS-C22		PS-C33		PS-C50	
	Backup	Primary	Backup	Primary	Backup	Primary	Backup	Primary
Model	PHCC-1000	S1033	PHCC-1850	S1033	PHCC-2400	S3033	PHCC-2400	S3050
GPM @ 10'	16.7	46.1	30.8	46.1	40	50	40	65
GPH @ 10'	1,000	2,770	1,850	2,770	2,400	3,000	2,400	3,900
Amps @ 10'	9.5 DC	3.8	18 DC	3.8	20 DC	4.0	20 DC	4.3
Wt. (lbs.)	28.5 lbs.		32 lbs.		43 lbs.		47 lbs.	

4 OPTIONS AVAILABLE  
 Includes 3- or 4-year\* warranty  
\*When purchased from and installed by a contractor

## PRO SERIES STANDBY BATTERY

### WHY BUY OUR PRO SERIES BATTERY?

The matching standby battery is designed to:

- Run the pump longer for more hours per charge
- Last longer in standby operation



Model	Pump Time*	
	B12-100	(2) B12-100
1000	110 hours	Not Recommended
1850	70 hours	140 hours
2400	55 hours	110 hours

\*Based on 10% duty cycle. Runtimes may vary based on inflow of water

Matching batteries run the pumps intermittently for days.  
 Connect two batteries in parallel to the PHCC-1850, PHCC-2400, PS-C22, PS-C33 and PS-C50 for extended runtime (parallel jumper cables available separately, Model PJC)

## CHECK VALVES

PS-MP

### QUICK CONNECT MAIN PIPE

- Ensures proper installation
- Predrilled weep hole
- No need to remove the pipe from the old pump
- Save installation time, and cost of adapters, check valves, PVC, primer and cement
- Total length: 14.25"

BOOTED

THREADED

SLIP

SLIP UNION

COMPRESSION

BALL

### CHECK VALVES

Pro Series Pumps has a variety of 1½" and 2" standard and quiet "Klunkless" check valves that can include a ball valve or weep hole, with booted, threaded, slip, slip union, and compression connections.



# Exceeding Expectations

Energy-Efficient AC Pumps

Battery Backup Sump Pumps

Combination Pumps

Sewage Pumps

Innovative Switch Technologies

Water Alarms

Batteries



Visit our website and review our catalog  
 Email: Sales@Glentronics.com  
 Phone: (800) 991-0466

WWW.STOPFLOODING.COM

INDUSTRIAL GRADE FOR THE RESIDENTIAL MARKET



## PRO SERIES PRIMARY, SEWAGE, AND CHEMICAL PUMPS

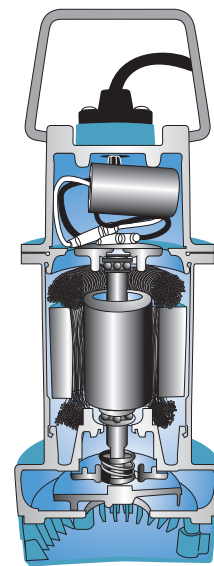
### INDUSTRIAL GRADE FOR THE RESIDENTIAL MARKET

We provide our customers with the best, most dependable products. To that end, our most popular AC pumps are continuous-duty rated, meaning they are designed to deal with the rigors of running nonstop, 24 hours a day. Built with cast-iron or stainless-steel housings, upper and lower ball bearings, dual carbon-ceramic seals, and a high-performance PSC motor that uses less electricity—they can handle whatever Mother Nature sends your way.

Combining an energy-efficient Pro Series sump pump with our Deluxe or High Cycle Controller (TSC2, TSC3, VSC2, VSC3, DFC2, DFC3) creates a system like no other. The USB data port and remote terminal on the Deluxe Controller allows the homeowner to connect their sump pump system to the WiFi Module or a home-security system and stay connected when away from home. Pro Series Pumps are industrial grade yet built for the residential market. We back this up by offering 1½-, 3-, 4- and 5-year warranties.

### FEATURING:

- Continuous-duty rated (S1/ST, S3, E7 and C8 Series)
- Efficient Permanent Split Capacitor motor (PSC)
- Double or triple seals (depending on model)
- Upper and lower ball bearings
- Water-cooled (S1/ST, S3, E7 Series, C8 Series)
- Thermally protected
- Removable strainer (S1/ST, S2, S3, C8 Series)
- 20-foot power cord on S3050, S3100, C8 Series; 10-foot power cord on S1/ST Series, S2/CIS Series, S3033, E7 Series
- 20-foot power cord OPTION available (S1/ST, S2/CIS Series, S3033, E7040, E7105)
- Dynamically balanced cast-iron impeller (S3100), engineered polymer impeller (S1/ST Series), polycarbonate impeller (S3033, S3050)
- Vortex cast-iron impeller (S2 Series, E7 Series)
- Stainless-steel fasteners that won't rust
- Sump pumps are for groundwater application only (S1/ST Series, S3 Series)



## GOOD, BETTER, BEST PRODUCT SELECTIONS

The Pro Series line includes a **Good, Better, Best** option in each product category. We are the only pump company offering this kind of variety in AC pumps, controllers, backup pumps and combination systems.

- Each product has unique features and allows you to stock a better selection
- Solutions to meet your customers' needs
- Gives you an opportunity to maximize your business
- Offering a range of products means higher profitability
- Easy to provide a better product for your customer

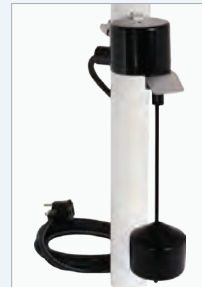
	Good	Better	Best
<b>Primary Pumps</b>	S1/ST Series	S2 Series	S3 Series
<b>Battery Backups</b>	PHCC-1000	PHCC-1850	PHCC-2400
<b>Combination Systems</b>	PS-C11	PS-C22	PS-C33, PS-C50
<b>Controllers/Switches</b>	DFC1	DFC1.5	DFC2, DFC3
	VS	VSC1.5	VSC2, VSC3
	TS	TSC1.5	TSC2, TSC3

## IT'S ALL ABOUT THE SWITCH—PROVEN RELIABILITY EQUALS PEACE OF MIND



### DUAL FLOAT SWITCH

- Used in clearwater applications
- Standard, Enhanced, Deluxe, & High-Cycle options
- Two micro-reed-activated floats for more reliability
- Protective cage prevents debris in floats
- Activation height adjustable to any level
- Mounts to discharge pipe with included stainless-steel hose clamp



### VERTICAL FLOAT SWITCH

- Used in clearwater/sewage applications
- **Two versions:** Piggyback Vertical Switch or Vertical Switch with Controller
- Standard, Enhanced, Deluxe, & High-Cycle options
- Gold contacts for reliable high-cycle operation
- Activation height adjustable to any level
- Mounts to discharge pipe with included stainless-steel hose clamp



### TETHER FLOAT SWITCH

- Used in clearwater/sewage applications
- **Two versions:** Piggyback plug or switch with controller
- Standard, Enhanced, Deluxe & High-Cycle options
- Narrow angle reduces space needed (TSC1.5, TSC2, TSC3)
- Adjustable activation level (TSC1.5, TSC2, TSC3)
- Mounts to discharge pipe with included stainless-steel hose clamp and wire mount

## CONTROLLER AND SWITCH OPTIONS



### STANDARD CONTROLLER (DFC1)

- Includes the Dual Float Switch
- Activates pump when water raises either float
- Once float drops to the original position, the pump runs 10 seconds to completely empty the sump pit

### ENHANCED CONTROLLER (TSC1.5, VSC1.5, DFC1.5)

- Available with Tether, Vertical or Dual Float Switch
- Adjustable runtime from 5–45 seconds after the float drops
- Activates pump weekly to exercise it, extending pump life
- Detachable float switch allows for easy installation and maintenance
- System operating light and universal mounting tabs

### DELUXE CONTROLLER (TSC2, VSC2, DFC2)

- Available with Tether, Vertical or Dual Float Switch
- Monitors pump, power, and sounds an alarm when problems are detected
- Visual/audible notification & recommended maintenance: AC power failed, pump/float problem detected, battery low or slide switch is off
- USB data port and remote terminal connect to external devices such as the Pro Series Pumps CONNECT Module or other devices
- Detachable float switch for easy install/maintenance

20-foot cord option available (Model-20) for all switches



### VERTICAL SWITCH (vs)

- Piggyback plug (120v) version—no controller
- Activation height adjustable to any level
- 10-foot float cord



### TETHER SWITCH (ts)

- Piggyback plug (120v) version—no controller
- Wide angle to increase runtime



### HIGH-CYCLE CONTROLLER (TSC3, VSC3, DFC3)

- Utilizes solid-state circuitry for high-cycling situations (Does not have 3.5mm accessory jack)

## AC PUMPS



SUMP  
S1033-NS/ST1050-NS



SUMP  
CIS-33V/CIS-50V



EFFLUENT  
S2033-NS/S2050-NS



SUMP  
S3033-NS/S3050-NS  
S3100-NS



SEWAGE  
E7040-NS/E7105-NS



SEWAGE  
EBIS40V



SEWAGE  
E7055-NS



CHEMICAL  
C8050/C8100

### ENERGY EFFICIENT & CONTINUOUS DUTY:

Pro Series Pumps use substantially fewer Amps than pumps from other manufacturers. That means they are considerably less expensive for a homeowner to operate.



Features	S1033	ST1050	S2033/CIS-33V	S2050/CIS-50V	S3033	S3050	S3100	E7040	EBIS40V	E7055	E7105	C8050	C8100
Motor HP	½ HP	½ HP	½ HP	½ HP	½ HP	½ HP	1 HP	¾ HP	¾ HP	½ HP	1 HP	½ HP	1 HP
GPM @ 10'	46	72	53	60	50	65	92	74	74	89	100	64	82
GPH @ 10'	2,770	4,320	3,200	3,600	3,000	3,900	5,520	4,440	4,440	5,340	6,000	3,840	4,920
Max head	29'	32'	23'	26'	30'	33'	52'	22'	22'	23'	32'	36'	49'
Discharge	1½"	2"	1½"	1½"	1½"	2"	2"	2"	2"	2"	2"	2"	2"
Amps @ 10'	3.8	4.8	5.0	5.5	4.0	4.3	11.5	6.3	6.3	7.0	10.5	4.7	11.3
Wt. (lbs.)	25	28	21	22	20	24	46	36	36	37	40	23	46
Solids	-	-	½"	½"	-	-	-	2"	2"	2"	2"	-	-
20' cord **	OPT	OPT	OPT	OPT	OPT	STD	STD	OPT	OPT	OPT	OPT	STD	STD
<b>Warranty</b>	<b>3 year*</b>	<b>3 year*</b>	<b>3 year</b>	<b>4 year*</b>	<b>5 year*</b>	<b>5 year*</b>	<b>5 year*</b>	<b>3 year</b>	<b>3 year</b>	<b>3 year</b>	<b>3 year</b>	<b>1 year</b>	<b>1 year</b>

This is because they are built with upper and lower ball bearings and a more efficient PSC motor. Combine that with a water-cooled motor and dual carbon-ceramic seals and you have the industry's most reliable continuous-duty pump (S1/ST, S3, E7, & C8 Series).

\* When purchased from and installed by a contractor.

\*\* OPT: 20-foot cord option available STD: 20-foot cord standard w/pump

## WATER ALARMS

### DETECT LEAKS BEFORE THEY BECOME A PROBLEM

Place wherever water damage is a risk...

- Easy-to-use, dependable protection
- 110 dB alarm can be heard throughout the house
- Will sound an alarm when as little as ½" of water reaches the sensor

### PWA-360

360° Water Alarm senses water on any side



### PWA2

Standalone Water Alarm has built-in accessory jack for optional add-ons



## OPTIONAL ACCESSORIES

### FOR USE WITH THE DELUXE CONTROLLER, PWA2 WATER ALARM, AND WIFI MODULE



### WATER SENSOR (PS-WS)

Sounds an alarm when the water has reached the high-water sensor (to be used in an area that can handle a ¾" depth)



### 360° SENSOR (PS-WS360)

Place where water damage is a risk (alerts when there's a minimal amount of water)



### 20-FOOT EXTENSION (EXT-PWA20)

For use with 360° Sensor and Water Sensor

## PUMP ALTERNATOR

- Prolongs pump life by alternating two AC pumps (sump or sewage)
- If one pump fails, the other pump will take over and sound alarm
- Flashing light will indicate which pump is failing
- Remote terminal allows the unit to connect to a security system or other dry-contact-based device
- If one float switch fails, the other float switch will take over and sound an alarm
- Detachable float switch wires for easy installation (DVSA-VS, DVSA-DF)
- Angled receptacles accept standard or right-angled pump plugs
- High Water Alarm with accompanying LED indicator, alarm, 9V battery backup



## PACKAGED SYSTEMS

### PREASSEMBLED SEWAGE PIT

Our preassembled sewage packaged systems are completely put together for easy installation. Choose from a ¾, ½ or 1 HP pump along with 3 float switch and controller options. A great labor and cost savings!

- Pump rests in a formed mold which prevents torquing
- Includes pit cover with inspection port and all gaskets
- High Water Accessory included with VSC2



### PACKAGED CRAWLSPACE KIT

Comes with all the items in the kit, ready to be assembled and installed in your floor

- Cast-iron sump/effluent pump
- ½ HP energy-efficient Permanent Split Capacitor (PSC) motor
- Built-in vertical float switch
- Cast-iron vortex impeller
- Upper and lower ball bearings
- Thermally protected
- Stainless-steel fasteners
- Pumps solids up to ½ inch
- Removable strainer



### DUAL PUMP ACTIVATION (DVSA-VS / DVSA-DF)

- Runs both pumps simultaneously for extra capacity
- **Includes your choice of either:**
  - 2 low-voltage Vertical Float Switches (DVSA-VS)
  - 2 caged Dual Float Switches (DVSA-DF)
- Built-in circuit breakers for both pumps (Total 15 Amps)



### SINGLE PUMP ACTIVATION (DVSA)

- Runs one pump at a time
- Can handle up to 1 HP pumps (max 15 Amps each pump)



We make every effort to provide our customers with superior products; however, Gientronics, Inc. reserves the right to change specifications without prior notice.