

PRO SERIES PUMPS



Exceeding Expectations



Energy Efficient AC Pumps

Battery Backup Sump Pumps

Combination Pumps

Sewage Pumps

Innovative Switch Technologies

Water Alarms

Batteries



Leading the Industry in Green Technology



PHCC Pro Series

Company Profile

Mission Statement:

Glentronics, Inc. (manufacturer of PHCC Pro Series Pumps) is a family run business and our goal is to take care of every customer just like they are family. Our mission has always been to create proprietary products that provide users with a superior method of accomplishing a task. Through innovation and dedication, we have led the way in Battery Backup Sump Pumps, AC Sump Pumps, Sewage Pumps and Combination Pumps. We believe in focusing on what we do best, and giving 110% every day.

History:

- Glentronics owners originally sold batteries to homeowners who would use them in backup sump pumps
- The problem: homeowners never knew if their battery or backup system was in working condition since the systems didn't alert them when maintenance was needed
- The PHCC Pro Series line was created for professionals as an opportunity to offer their customers "industrial grade products for the residential market"
- Glentronics introduced a new line of energy efficient primary pumps, leading the industry in green technology
- Glentronics came out with the first Combination Pump System, an AC Pump and a Backup Pump, pre-assembled, making installation quick and easy

Innovation through Dedication:

- Our intense focus on improving our products for the benefit of our customers has allowed us to create reliable products
- Driven to the creation of unique, industry leading battery backup and primary sump pumps as well as sewage pumps and accessories
- Continuously ship 100% and on time
- We stock 3-5 months of on hand inventory in order to handle extreme weather events
- Same day shipping on all orders, especially emergency orders during storm events
- Continued line improvement
- Dedicated to technical support and customer service
 - ♦ Free technical support
 - ♦ Online support
 - ♦ Online installation videos
- Dedicated to PR and advertising efforts

PHCC Pro Series Team:



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Contact Us

Sales

PHONE: (800) 991-0466, Option 5

FAX: (847) 415-6410

E-MAIL: Sales@Glentronics.com

Technical Assistance

PHONE: (800) 991-0466, Option 7

FAX: (847) 415-6410

E-MAIL: Service@Glentronics.com

The best technical assistance is over the phone

Corporate Headquarters

645 Heathrow Dr.
Lincolnshire, IL 60069

Website

www.StopFlooding.com

PHCC Pro Series

Why Pro Series Pumps

Our focus has always centered on creating and improving our products to create reliable pumps and other accessories for the benefit of our customers. That begins by using premium components and designing pumps for maximum pumping capabilities, better energy efficiency and durability. This has us leading the industry in green technology. Our innovation has additionally created patented switches and controllers with state-of-the-art monitoring systems.

Our innovation has also given our customers better ways to maximize their business with "Good, Better, Best." This unique system allows you to offer a range of products to best fit your customer's needs while creating higher profitability. Our Mix and Match ordering system provides you with the best options for stocking your inventory and saving on your product investment.

In addition to offering quality products and better ordering options we back it all up with unmatched support. We provide extended warranties that benefit our professionals, free customized leave behind sheets, training sessions and lifetime technical support. You also have the ability to be listed as a Pro Series Preferred Installer on our website.

We present you with the means to success!



Unmatched Support – The Tools for Success

The Means to Success

PHCC Pro Series Backup and AC Sump Pumps offer you more than just the leading pumps in the industry - we will support your customers *and* your sales efforts. Let us tell you how we can help you sell more products.

Warranties

- Confidence in our products allow us to offer better warranties on our most popular pumps, when installed by a contractor
- ALL our product warranties begin from the date of installation

FREE Leave Behind Sheets

- Available for backup, AC pumps and combination pumps to leave with your customers
- Customized with your logo, phone number and website

FREE Training Sessions

- For you and your staff, to help you sell our products effectively
- Sessions available at your facility or ours

FREE Technical Support

- **FREE Lifetime technical support** for you and your customers
- If you prefer, have your customers call us for technical support - Our customer service is trained to troubleshoot problems over the phone

FREE Listing on Our Distributors Pages

- Allows contractors to find the closest stocking wholesalers in their area with the distributor's information and website link

FREE Listing as Pro Series Preferred Installer

- Sign up to be listed on our website as a preferred installer
To be eligible, you must purchase at least 4 of our systems from your local wholesaler

Why Do You Need a Battery Backup Sump Pump System?

If the power goes out, your main AC pump will not run and your basement will flood. The Pro Series backup system will provide a secondary power source to run your pump for 8 continuous hours once the main pump is 2,000 gallons or more capacity for days. For extra long run time, it can handle up to 3 batteries for extended runtimes.

If your main pump fails due to a mechanical problem, and if the pump is clogged with debris, the basement will flood. The Pro Series system will provide a secondary pump and keep your basement dry.

If the float switch on your main pump gets stuck or fails, your basement will flood. The Pro Series system will provide a secondary float switch which will activate the backup pump and keep your basement dry.

If the discharge pipe in your main pump is clogged or broken, and if the system is full, your basement will flood. The Pro Series system will provide a secondary discharge line when you pump directly outside. The water will have somewhere to go other than your basement.

When is it you most need your pump pump? During a rainstorm.

When is it you are most likely to lose power? During a rainstorm.

Do I really need to spend the money? Ask for the government record. Our rainstorm churning. The one best thing you can do is to invest yourself with a complete battery back-up system.

Standard Features:

- Switches automatically to battery power in emergency
- Pumps up to 3,000 gallons per hour at 1/2 HP, 1/4
- Self-maintaining system virtually no required maintenance for unattended reliability
- True emergency shut-off system
- Runs the pump quietly
- Can be connected to a security system
- Easy to use and understand

We can put Your Logo Here
Just send us your business card and we'll make you some FREE!

www.stopflooding.com 800-991-0466



Reliability and Innovation

Strong and Dependable Pumps



Designed for higher pumping capacities, increased energy efficiencies, resulting in proven reliability.

Premium Components

- Industrial grade, built for the residential market
- Built to run continuously, 24 hours a day, seven days a week, 365 days a year (ST Series, S3 Series, E7 Series and C8 Series)
- The entire PHCC Pro Series AC Pump line incorporates:
 - ♦ PSC motors
 - ♦ Thermal protection
 - ♦ Upper and lower sealed ball bearings
 - ♦ Durable pump housing
 - ♦ Harmonically balanced, quiet operation
 - ♦ Double or triple seals to ensure longer life

Better Warranties for Extended Peace of Mind

These upgrades result in powerful pumps that offer superior energy efficiency, durability and longevity. Using industrial grade components also allow for 1-year, 1-1/2-year, 3-year, 4-year and 5-year warranties.

On the Forefront of Technology

Patented Dual Float Switch

- The Patented Dual Float Switch has two floats mounted within a protective cage
- These redundant floats ensure reliable operation

State-of-the-Art Monitoring

- State-of-the-art monitoring is found throughout our pumps, controllers, backup and combination systems
- State-of-the-art monitoring gives your customers security and peace of mind, so they know the system is ready to go
 - ♦ Monitors system and power conditions, and gives visual and audible alerts when problems are detected
 - ♦ Immediately alerts to problems or required maintenance
 - ♦ The USB Data Port and Remote Terminal connects to PHCC Pro Series Pumps CONNECT Modules, home automation systems or other devices to alert to problems when homeowners are away from home



Connected Pumps with Remote Notification

- Many of the models within the PHCC Pro Series line have a USB Data Port and Remote Terminal which allow for connection to an external device that can notify a homeowner of a problem or needed maintenance
- The USB Data Port and Remote Terminal can connect to:
 - ♦ PHCC Pro Series WiFi Module (PS-WiFi)
 - ♦ PHCC Pro Series Home Automation Module (PS-HZM)
 - ♦ Cellular or landline phone dialers
 - ♦ Home security systems or other dry contact devices
- As technology changes your PHCC system with Remote Notification capabilities can remain current with new modules
- PHCC Pro Series offers two external devices:



PHCC Pro Series CONNECT WiFi Module
Wi-Fi based notification module that will send an email or text message



PHCC Pro Series CONNECT Home Automation Module
Home Automation module that connects to an existing Home Automation system. This will allow the existing Home Automation system to alert to problems or needed maintenance

Visit www.stopflooding.com/connected for more information and updates to our connected devices

Selection and Quality Guarantee

Good, Better, Best Product Selections

The PHCC 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
- Allows for you to stock a better selection
- Easy to offer a better product for your customer
- Opportunity to maximize your business
- Offering a range of products means higher profitability
- Solutions to meet your customers needs

Sump Pump



Even when a "Good" pump is selected, you can upgrade to a "Better" or "Best" controller



Having the option to upgrade to a "Better" or "Best" product



Switch

DFC1



DFC1.5



DFC2



Backup System

PHCC-1000



PHCC-1850



PHCC-2400



Don't forget to suggest a Backup Pump or Combination System!

Use the "Good", "Better", "Best" system to help select the products that best fits your customer's needs.

*This is just a sampling of our Good, Better, Best product selection; ask your sales representative for more information on additional product lines and a more detailed explanation

A BETTER Warranty

We stand behind our products and those who install them by offering warranties that can be relied on. Use of premium components result in dependable and durable pumps that allow for better warranties that begin from the date of installation.

In a continued effort to support professional installers, we have increased the warranty on our most popular products when purchased and installed by a professional. Extending the warranties, not only shows trust in our products but also trust in our professionals and peace of mind for your customers.

The warranty on all Pro Series switches matches that of the Pro Series Pump when installed new together. Otherwise, a one year warranty applies when installed separately or on another product. The warranty on all Pro Series batteries is 1 year from the date of installation, when used with a PHCC Pro Series battery backup sump pump system.

SYSTEM	Contractor Installation	
	MODEL NO.	WARRANTY
Battery Backup Pumps	All Backup Systems	3 years
Combination Pumps	PS-C11, PS-C22	3 years
	PS-C33	4 years*
Energy Efficient Sump Pumps	SR33-VS	18 months
	ST Series	3 years*
	S2 Series	4 years*
	S3 Series	5 years*
Sewage Pumps	All Sewage Pumps	3 years
Chemical Pumps	All Chemical Pumps	1 year
Pump Alternator	DVSA-DF, DVSA-VS	3 years



*Applicable when purchased and installed by a contractor



Mix and Match Ordering

Ordering Sump and Sewage Pumps

We give you the flexibility to order any pump with any switch

We want to provide you with the best options for stocking your inventory, so we've come up with two ways to order. You can order using our "Mix and Match" method or select a pre-packaged pump with a switch included. "Mix and Match" ordering lets us tailor your order to best fit your business's needs. This flexibility will benefit both you and your customer.

Option 1: Mix and Match - Order a pump and a switch as separate items

- ♦ Allows you to stock pumps and switches as separate items, then combine and complete the system to meet your customer's needs
- ♦ Allows you to stock less inventory which saves on product investment
- ♦ Provides you with the product and tools to upgrade the sale

First, order any pump with no switch (NS)

- | | |
|--|-------------------------------------|
| <input type="checkbox"/> ST1033 – NS | <input type="checkbox"/> E7040 – NS |
| <input type="checkbox"/> ST1050 – NS | <input type="checkbox"/> E7055 – NS |
| <input type="checkbox"/> S2033 – NS | <input type="checkbox"/> E7105 – NS |
| <input type="checkbox"/> S2050 – NS | |
| <input checked="" type="checkbox"/> S3033 – NS | |
| <input type="checkbox"/> S3050 – NS | |
| <input type="checkbox"/> S3100 – NS | |

Then, order any switch

- | | | |
|--|---------------------------------|---------------------------------|
| <input type="checkbox"/> DFC1 | <input type="checkbox"/> VS | <input type="checkbox"/> TS |
| <input type="checkbox"/> DFC1.5 | <input type="checkbox"/> VSC1.5 | <input type="checkbox"/> TSC1.5 |
| <input checked="" type="checkbox"/> DFC2 | <input type="checkbox"/> VSC2 | <input type="checkbox"/> TSC2 |

S3033 pump with no switch (NS) in the box



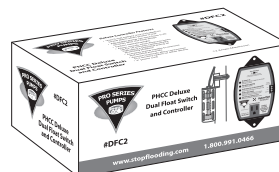
S3033-NS

Cast Iron / Stainless Steel Submersible Sump Pump

☒ S3033-NS 1/3 HP Pump Only
1-1/2" Discharge - 10' Power Cord

These items will be packaged separately

DFC2 in the box



DFC2

Option 2: Order as a pre-packaged system, includes pump and switch

- ♦ Order any pump with switch already packaged in a single carton, ready for delivery

Order as a complete system with switch already packaged in the box

To order an S3033 pump with a DFC2, the part number is S3033-DFC2



S3033-DFC2 - 1/3 HP Pump with Deluxe Controller and Dual Float Switch



- Activates pump weekly to exercise and extend pump life
- Monitors pump and power conditions and sounds an alarm when problems are detected
- Designed for sump application



Industrial Grade for

Sump Pumps

Premium Components Equals Quality Pumps

All PHCC Pro Series Sump Pumps use less electricity than competing pumps, without sacrificing performance. They feature high efficiency PSC (permanent split capacitors) motors, which use fewer amps than other pumps. Our pumps also offer upper and lower sealed ball bearings which increase efficiency, durability and allow for quiet operation. These upgrades result in a powerful motor that offers superior efficiency, durability and longevity.

Premium Components Means GREEN SAVINGS\$

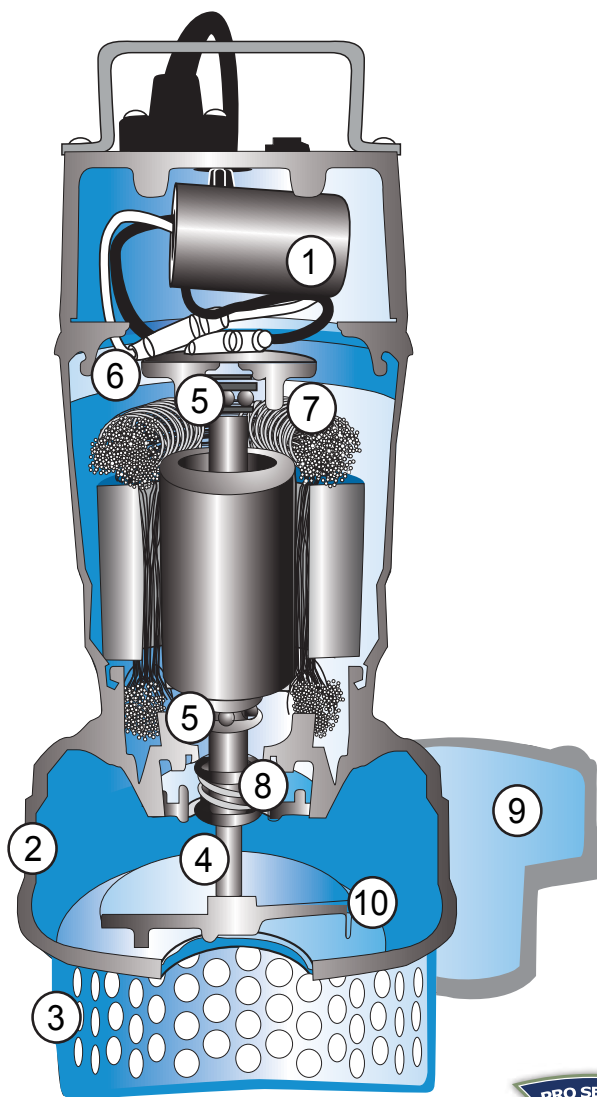
All PHCC Pro Series AC pumps use substantially fewer amps than shaded pole pumps from other manufacturers. That means they are considerably less expensive for a homeowner to operate. Superior energy efficiency translates to lower energy bills for the homeowner. The average cost savings earned when using a PHCC Pro Series ST1033 sump pump is \$52.42 per year* reducing the homeowners energy bills!

**Based on an average sump pump run time of five minutes per hour for one year. The ST1033 uses 3.8 Amps @ 10'. The estimated average of a 1/3 HP shaded pole motor is 9.5 Amps. Average electric cost per-kilowatt-hour is \$0.12*

See www.StopFlooding.com for more details

Sump Pump Components and Construction

1. **Permanent split capacitor (PSC) motor**
Increases energy efficiency
2. **Housing:**
Cast aluminum/Nylon housing (SR Series)
Cast iron/Cast aluminum housing (ST Series)
Cast iron housing (S2 Series)
Cast iron/Stainless steel housing (S3 Series)
Stainless steel housing (C8 Series)
3. **Strainer:**
Electroplated steel strainer (ST Series)
Non-corrosive polypropylene strainer (SR Series, S3033 and S3050)
Removable polycarbonate strainer (S2 Series)
Chrome plated steel strainer (S3100)
4. **Shaft:**
Stainless steel (S3 Series, C8 Series)
5. **Upper and lower sealed ball bearings**
Provide quiet operation that homeowners appreciate
6. **Water cooled (no cooling oil)**
(ST Series, S3 Series and C8 Series)
7. **Thermally protected**
8. **Seals:**
Two carbon ceramic shaft seals plus (1) Buna-N seal (ST Series and S3 Series)
Carbon ceramic shaft seal plus (1) Buna-N seal (SR Series and S2 Series)
Silicon carbide - viton seals (C8 Series)
9. **Outlet:**
1½" outlet (SR33-VS, ST1033, S2033, S2050, S3033)
2" outlet (ST1050, S3050, S3100, C8050, C8100)
10. **Impeller:**
Engineered polymer (SR Series and ST Series)
Polycarbonate (S3033 and S3050)
Cast iron vortex (S2 Series)
Dynamically balanced cast iron (S3100)
Stainless steel (C8 Series)





Sump Pumps



ST Series Sump Pump

* 3 year warranty is available when purchased and installed by a contractor, otherwise the original 18 month warranty is applicable



Features

- Cast iron / cast aluminum construction
- Continuous duty rated
- Energy efficient permanent split capacitor (PSC) motor
- Water cooled motor (no cooling oil)
- Stainless steel fasteners
- 10' Pump cord (20' option available)
- Will fit in 10" diameter sump pit
- Includes 2" to 1 1/2" PVC reducer (ST1050)



Energy Savings

Saves an average \$57 per year**

Model No. ST1033-NS

Model No. ST1050-NS

Motor HP	1/3 HP	1/2 HP
GPM @ 10 ft	46	72
GPH @ 10 ft	2770	4320
Max head	29' / 8.8 m	32' / 9.8 m
Discharge	1.5" / 3.8 cm	2" / 5.1 cm
Amps @ 10'	3.8	4.8
Weight	17 lbs / 7.7 kg	28 lbs / 12.7 kg
Width	7.5" / 19.1 cm	10" / 25.4 cm
Depth	5" / 12.8 cm	6.5" / 16.5 cm
Height	13.8" / 34.9 cm	16.3" / 41.4 cm

Good

S2 Series Sump/Effluent Pump

* 4 year warranty is available when purchased and installed by a contractor, otherwise the original 3 year warranty is applicable



Features

- Cast iron construction
- Energy efficient permanent split capacitor (PSC) motor
- Cast iron vortex impeller
- Upper and lower ball bearings
- Carbon ceramic plus Buna N shaft seals
- Thermally protected
- Stainless steel fasteners
- Pumps solids up to 1/2"
- Removable strainer
- 10' Pump cord (20' option available)



Energy Savings

Saves an average \$45 per year**

Model No. S2033-NS

Model No. S2050-NS

Motor HP	1/3 HP	1/2 HP
GPM @ 10 ft	53	64
GPH @ 10 ft	3200	3840
Max head	23' / 7 m	26' / 8 m
Discharge	1.5" / 3.8 cm	1.5" / 3.8 cm
Amps @ 10'	5	5.5
Weight	21.1lbs / 9.6 kg	22.1lbs / 10.0 kg
Width	9" / 22.9 cm	9" / 22.9 cm
Depth	6.5" / 16.5 cm	6.5" / 16.5 cm
Height	11.75" / 29.8 cm	11.75" / 29.8 cm

Better

S3 Series Sump Pump

* 5 year warranty is available when purchased and installed by a contractor, otherwise the original 3 year warranty is applicable



Features

- Cast iron / stainless steel construction
- Continuous duty rated
- Energy efficient permanent split capacitor (PSC) motor
- Water cooled motor (no cooling oil)
- Stainless steel fasteners
- 20' Pump cord (S3050 & S3100), 10' Pump cord (S3033)
- Includes 2" to 1 1/2" PVC reducer (S3050 and S3100)



Energy Savings

Saves an average \$55 per year*

Model No. S3033-NS

Model No. S3050-NS

Model No. S3100-NS

Motor HP	1/3 HP	1/2 HP	1 HP
GPM @ 10 ft	50	65	92
GPH @ 10 ft	3000	3900	5520
Max head	30' / 9.1 m	33' / 10.0 m	52' / 15.8 m
Discharge	1.5" / 3.8 cm	2" / 5.1 cm	2" / 5.1 cm
Amps @ 10'	4.0	4.3	11.5
Weight	20 lbs / 9.1 kg	24 lbs / 10.9 kg	46 lbs / 20.9 kg
Width	7.9" / 20.1 cm	8.5" / 21.6 cm	11.0" / 27.9 cm
Depth	5.3" / 13.5 cm	6.3" / 16.0 cm	7.7" / 19.5 cm
Height	13.0" / 33.0 cm	13.4" / 34.0 cm	18" / 45.7 cm

Best

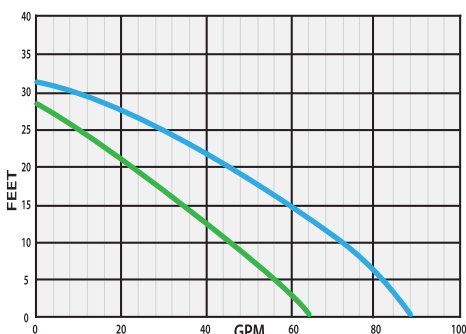
** Based on an average sump pump run time of five minutes per hour for one year. The estimated average of a 1/3 HP shaded pole motor is 9.5 Amps. Average electric cost per-kilowatt-hour is \$0.12

Sump and Chemical Pumps



Flow Chart

— ST1033 — ST1050



SR Series Sump Pump

Features

- Cast aluminum body/durable nylon cover with polypropylene volute
- Energy efficient permanent split capacitor (PSC) motor
- Upper and lower sealed ball bearings
- Carbon ceramic plus Buna N shaft seals
- Stainless steel fasteners
- Built-in vertical switch
- 10' Pump cord
- Will fit in 10" diameter sump pit

Energy Savings

Saves an average \$62 per year*

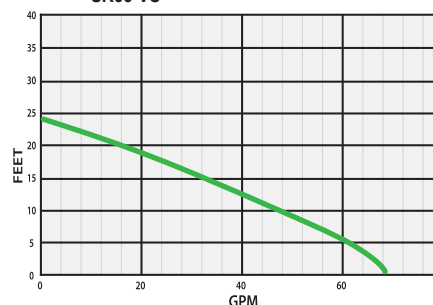
Model No. SR33-VS

Motor HP	1/3 HP
GPM @ 10 ft	47
GPH @ 10 ft	2820
Max head	24.6' / 7.5 m
Discharge	1.5" / 3.8 cm
Amps @ 10'	3.3
Weight	12.2 lbs / 5.5 kg
Width	8" / 20.3 cm
Depth	6" / 15.2 cm
Height	12.5" / 31.8 cm



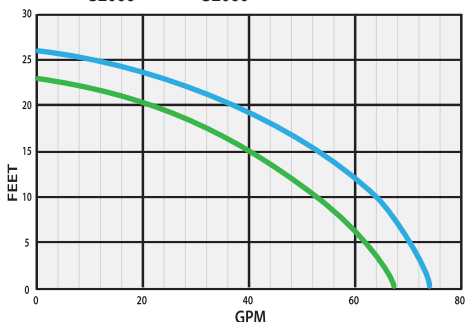
Flow Chart

— SR33-VS



Flow Chart

— S2033 — S2050



C8 Series Chemical Pump

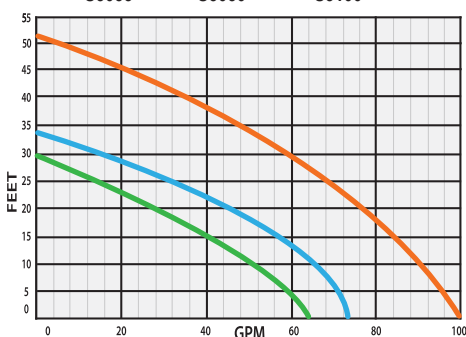
Features

- All 304 SS construction
- Intended for pumping non-flammable fluids compatible with pump component materials
- Energy efficient permanent split capacitor (PSC) motor
- Upper and lower sealed ball bearings
- Dual Carbon/Ceramic/Viton seals
- Continuous duty rated
- Liquid cooled



Flow Chart

— S3033 — S3050 — S3100



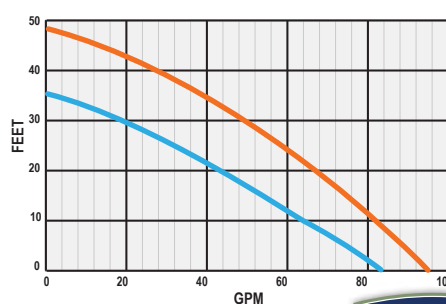
C8050-NS

C8100-NS

Motor HP	1/2 HP	1 HP
GPM @ 10 ft	64	82
GPH @ 10 ft	3840	4920
Max head	36' / 11 m	49' / 14.9 m
Discharge	2" / 5.1 cm	2" / 5.1 cm
Amps @ 10'	4.7	11.3
Weight	23 lbs / 10.4 kg	46 lbs / 20.9 kg
Width	9.1" / 23.1 cm	10.4" / 26.4 cm
Depth	6.3" / 16 cm	7.5" / 19.1 cm
Height	16.3" / 41.4 cm	18.1" / 46 cm

Flow Chart

— C8050 — C8100



Sewage Pumps



E7040 - 4/10 HP

* 3 year warranty is available when purchased and installed by a contractor, otherwise the original 18 month warranty is applicable



Features

- Cast Iron / Stainless Steel construction
- Energy efficient permanent split capacitor (PSC) motor
- Handles 2" solids with 2" discharge
- Continuous duty rated
- Water cooled motor (no cooling oil)
- Electroplated steel shaft
- Stainless steel fasteners
- Dual carbon/ceramic shaft seals plus Buna N seal
- Upper and lower sealed ball bearings
- 10' power cord (20' option available)

Model No. E7040-NS

Motor HP	4/10 HP
GPM @ 10 ft	74
GPH @ 10 ft	4440
Max head	22' / 6.7 m
Max diameter solids	2" / 5.1 cm
Discharge	2" NPT / 5.1 cm
Amps @ 10'	6.3
Weight	36 lbs / 16.3 kg
Width	9" / 22.9 cm
Depth	5.875" / 15 cm
Height	19" / 48.3 cm



E7055 - 1/2 HP

* 3 year warranty is available when purchased and installed by a contractor, otherwise the original 18 month warranty is applicable



Features

- Cast Iron construction
- Energy efficient permanent split capacitor (PSC) motor
- Handles 2" solids with 2" discharge
- Continuous duty rated
- Water cooled motor (no cooling oil)
- Electroplated steel shaft
- Stainless steel fasteners
- Dual carbon/ceramic shaft seals plus Buna N seal
- Upper and lower sealed ball bearings
- 10' power cord

Model No. E7055-NS

Motor HP	1/2 HP
GPM @ 10 ft	89
GPH @ 10 ft	5340
Max head	23' / 7.0 m
Max diameter solids	2" / 5.1 cm
Discharge	2" NPT / 5.1 cm
Amps @ 10'	7.0
Weight	37 lbs / 16.8 kg
Width	9" / 22.9 cm
Depth	5.875" / 15 cm
Height	16.5" / 42.3 cm



E7105 - 1 HP

* 3 year warranty is available when purchased and installed by a contractor, otherwise the original 18 month warranty is applicable



Features

- Cast Iron / Stainless Steel construction
- Energy efficient permanent split capacitor (PSC) motor
- Handles 2" solids with 2" discharge
- Continuous duty rated
- Water cooled motor (no cooling oil)
- Electroplated steel shaft
- Stainless steel fasteners
- Dual carbon/ceramic shaft seals plus Buna N seal
- Upper and lower sealed ball bearings
- 10' power cord

Model No. E7105-NS

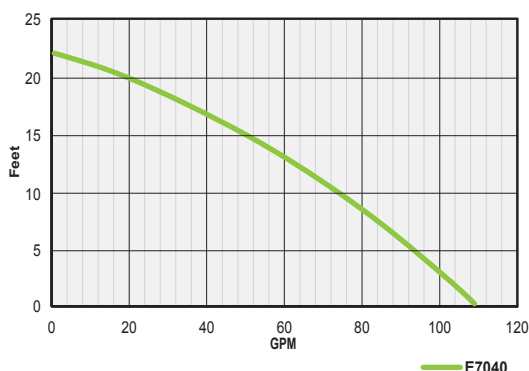
Motor HP	1 HP
GPM @ 10 ft	100
GPH @ 10 ft	6000
Max head	32' / 9.75 m
Max diameter solids	2" / 5.1 cm
Discharge	2" NPT / 5.1 cm
Amps @ 10'	10.5
Weight	41.1 lbs / 18.6 kg
Width	9" / 22.9 cm
Depth	5.875" / 15 cm
Height	20" / 50.8 cm



Sewage Pumps

Pre-Assembled Sewage Pit

Flow Chart



Packaged Systems

The Pro Series Pumps pre-packaged sewage pit comes completely pre-assembled for easy installation. Select the size pump needed, the style of float, and the controller for the level of features wanted.

- Energy efficient sewage pump in 4/10, 1/2, and 1 HP
- Pump rests in a formed mold which prevents torquing
- 6 Float switch options

Mix and Match

Sewage Pump Model No.

- ☐ EP7040 (4/10 HP)
- ☐ EP7055 (1/2 HP)
- ☐ EP7105 (1 HP)

Switch Model No.

- | | |
|---------------------------------|---------------------------------|
| <input type="checkbox"/> VS | <input type="checkbox"/> TS |
| <input type="checkbox"/> VSC1.5 | <input type="checkbox"/> TSC1.5 |
| <input type="checkbox"/> VSC2 | <input type="checkbox"/> TSC2 |

Includes:

- Sewage pump and switch
- 18" x 30" sewage pit with rubber inlet
- Lid with flanges, inspection panel and cord seal
- All gaskets and stainless-steel hardware
- Discharge piping from the pump to the lid

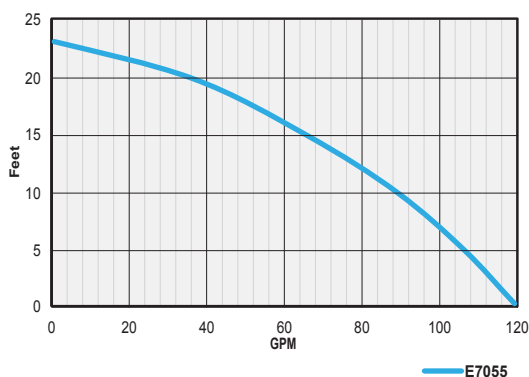
Included Feature with VSC2 / TSC2

- ☐ PS-WS (Water Sensor Accessory)

**Meets codes enacted by some states where an alarm is required to alert of high water in a residential sewage pit*

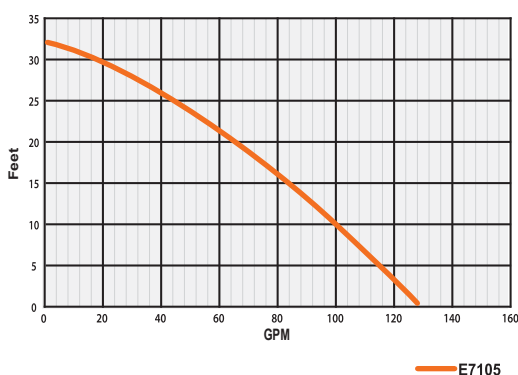


Flow Chart



Compatible Switches

Flow Chart



Vertical Switch

- Long lasting
- Adjustable float height
- Work in multiple size pits

Tether Switch

- Long lasting
- Easy to adjust
- Work in multiple size pits



(Read more about Vertical and Tether Switches on Page 11-12)





Switches and Controllers

TS - Tether Switch



Piggy-back plug version (Model No. TS)

Tether Switch for Enhanced and Deluxe controllers

Features

- Can be used in clear water and sewage applications
- Two versions of the tether switch:
 - ♦ **Piggy-back plug (120 VAC) version - no controller (TS)**
 - Wide angle in order to increase run time
 - Activates pump at about +45° and turn off at about -45°
 - ♦ **Tether switch with controller**
 - Available with Enhanced (TSC1.5) and Deluxe controllers (TSC2)
 - Narrow angle in order to reduce run time
 - Run time adjustable
 - Activates pump at about +15° and turn off at about -15°
 - Detachable float switch allows the wire to feed through the pit cover for easy installation and maintenance
- Mounts to discharge pipe with included stainless steel hose clamp
- Activation level is adjustable

Model No. TS



Model No. TSC1.5



Model No. TSC2



VS - Vertical Switch



Piggy-back plug version (Model No. VS)

Features

- Can be used in clear water and sewage applications
- Two versions of the vertical switch:
 - ♦ **Piggy-back plug (120 VAC) version - no controller (VS)**
 - 10' Power cord
 - ♦ **Vertical switch for controllers**
 - Available with Enhanced (VSC1.5) and Deluxe controllers (VSC2)
 - The internal switching mechanism has sealed gold contacts for reliable high cycle operation
 - Detachable float switch allows the wire to feed through the pit cover for easy installation and maintenance
- Mounts to discharge pipe with included stainless steel hose clamp
- Activation level is adjustable

Model No. VSC1.5



Model No. VSC2



DF - Dual Float Switch



Features

- Available with the Standard (DFC1), Enhanced (DFC1.5) or Deluxe Controllers (DFC2)
- Two micro reed activated floats for added reliability
- Protective cage prevents debris from interfering with floats
- Easy installation
- Solid top keeps out sand and dirt
- Vented, curved bottom prevents debris build-up under the float
- Detachable float switch allows the wire to feed through the pit cover for easy installation and maintenance (Model No. DFC1.5 / DFC2)
- Mounts to discharge pipe with included stainless steel hose clamp
- Activation level is adjustable

Model No. DFC1



Model No. DFC1.5



Model No. DFC2



Switches and Controllers

Controller Features

Standard Controller and Dual Float Switch (Model No. DFC1)

- Two micro reed activated floats for added reliability
- Protective cage prevents debris from interfering with floats
- Switch is mounted independent from pump, allowing user to adjust the height of pump activation

Enhanced Controller

- Available with a Dual Float (DFC1.5), Vertical Switch (VSC1.5) or Tether Switch (TSC1.5)
- Activates pump weekly to exercise and extend pump life
- Pump run time is adjustable

Deluxe Controller

- Available with a Dual Float (DFC2), Vertical Switch (VSC2) or Tether Switch (TSC2)
- Monitors pump and power conditions and sounds an alarm when problems are detected
- Visual/audible notification and recommended maintenance remedy
- Activates pump weekly to exercise and extend pump life
- Pump run time is adjustable
- USB Data Port and Remote Terminal connect to external devices such as the PHCC Pro Series Pumps CONNECT modules, home automation systems or other devices for remote notification
- **OPTIONAL** High Water Accessory will sound an alarm when the water has reached the high water sensor (*Model No. PS-WS - sold separately - See page 22 for more information*)

Controller Comparison

	Standard DFC1	Enhanced DFC1.5, VSC1.5 TSC1.5	Deluxe DFC2, VSC2 TSC2
Available with Dual Float Switch	•	•	•
Available with Vertical Switch		•	•
Available with Tether Switch		•	•
Sounds an alarm and alerts when:			
AC power has failed			•
Pump or float problem is detected			•
9V battery is low or slide switch is off			•
Remote Notification Connections: (Allows for connection to external devices)			
USB Data Port (Ability to remotely notify which alert has activated or what maintenance might be needed)			•
Remote Terminal (Ability to remotely notify of a problem or needed maintenance)			•
Float switch can be unplugged from controller for easy installation		•	•
System operating light (flashes)		•	•
Adjustable run time from 5-45 seconds after the water falls		•	•
Activates pump weekly to exercise and extend pump life		•	•
Universal controller mounting tabs		•	•
2' power cord		•	
4' power cord			•
10' float switch cord	•	•	•
Piggy-back plug	•	•	•

Includes: Switch, manual and stainless steel hose clamp

Standard

Standard Controller with Dual Float

Model No.
DFC1



Enhanced

Enhanced Controller

Model No.
TSC1.5
VSC1.5
DFC1.5



Deluxe

Deluxe Controller

Model No.
TSC2
VSC2
DFC2





Switches and Controllers

Pump Alternator Control and Alarm System



Features:

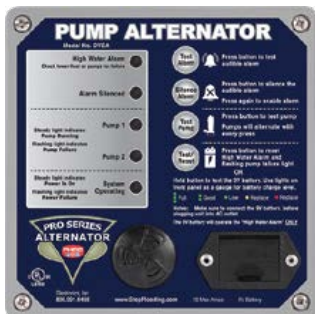
- Prolongs pump life by alternating two primary pumps
- If one pump fails the other pump will take over and an alarm will sound
- Flashing light will indicate which pump is failing
- Remote terminal allows the unit to connect to the Pro Series WiFi Module, security system, auto dialer or other dry contact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



Switch Options:

Model No.
DVSA-DF

Model No.
DVSA-VS



Model No. DVSA

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

Model No. DVSA-DF / DVSA-VS

- Runs both pumps at the same time for extra capacity (Total 15 Amps)
- Includes your choice of either:
 - Two low-voltage vertical float switches (Model No. DVSA-VS)
 - Two caged dual float switches (Model No. DVSA-DF)
- Built in circuit breakers for both pumps (15 total amps max.)

Remote Notification

Are you afraid to leave the house during a storm, not knowing if you will come back to a flooded basement? The PHCC Pro Series Pumps CONNECT line of pumps has the ability to alert you via text, email, or in-app notification that there is a problem in the pit or maintenance is needed. This is possible because The CONNECT line of products comes with built-in gateways allowing the user to easily link their pump system to a Wi-Fi network, home automation system, home security system or other dry contact based device. You can feel safe that PRO SERIES IS PUMPING FOR YOU.

PHCC Pro Series Remote Notification Compatibility:

Primary Pump Switch:
DFC2, VSC2, TSC2, DVSA

Backup Systems:
PHCC 1730, PHCC 1850, PHCC 2400

Combo Systems: PS-C22, PS-C33



PHCC Pro Series Pumps CONNECT Modules

PHCC Pro Series WiFi Module

- Sends emails or text notifications and status alerts to your phone, tablet or computer
- Apple and Android app available
- NO MONTHLY FEE
- Simple setup



Model No.
PS-WiFi

WiFi Module Accessories

Optional add-on for use with WiFi module, that allows the PS-WiFi to be used as a free standing water Wi-Fi alarm



High Water Float

- Sends an alert by text or e-mail when the water reaches the high water float
- Detect water as low as 3/8"

Model No.
HWF

PHCC Pro Series Home Automation Module

- Easily connects to compatible monitored security or home automation system
- Connects using Z-Wave Plus technology



Model No.
PS-HZM



Visit www.StopFlooding.com/connected for more information and updates to our connected devices

Battery Backup Sump Pumps

Why Do You Need a Backup Sump Pump System?

If the power goes out, your main AC pump will not run and your basement will flood.

The Pro Series backup system will provide a secondary pumping source. It will pump intermittently for days. For increased run time, the larger backup models can handle extra batteries for extended pumping time.

If your main pump fails due to mechanical problem, or if the pump is clogged with debris, the basement will flood.

The Pro Series system will provide a secondary pump and keep your basement dry.

If the float switch on your main pump gets stuck or fails, your basement will flood.

The Pro Series backup system will activate, pump the water out and sound an alarm indicating that the main pump did not activate.

If the discharge pipe in your main pump is clogged or frozen, or if the sewer is full, your basement will flood.

The Pro Series system will provide a secondary discharge line when you plumb it directly outside. The water will have somewhere to go other than your basement.



Why PHCC Pro Series Backup and Combination Systems

Proven Reliability

- Decades of preventing basement flooding
- Features the most complete monitoring alarm system and high pumping capacity pumps
- Designed to be a major appliance for years of dependable service
- 100% factory tested

Redundancy

- Dual float switches on all backup systems provide twice the protection
- Combination systems have a total of 4 float switches to insure the pumps run when needed
- Backup pumps can be installed separately or combined with a “Y” connector to meet any installation requirement

Monitoring Features

- Exclusive monitoring and alarm features provide “Security and Peace of Mind” for homeowners and contractors
- User friendly, audible and visual alarms notify the user that maintenance is needed, insuring operation when needed

Pro Series Pumps CONNECT

- Remote notification available using built-in USB Data Port or Remote Terminal (Model No. PHCC-1850, PHCC-2400, PS-C22 & PS-C33) allowing for emergency or maintenance alerts via text, email, in-app notification, home security system, or other dry contact device

Good, Better, Best Selection

- Provides users and contractors a choice that satisfies every feature or budget requirement





Battery Backup Sump Pumps



PHCC-1000



Good

Features

PHCC Pro Series backup sump pumps protect against:

- Power outages
- Primary pump failures
- Float switch failures
- Excessive inflow of water

Pro Series backup sump pumps sound an alarm when:

- AC power is out, or the circuit breaker has blown
- Battery fluid is low and water needs to be added
- Battery is discharged or terminals need cleaning
- Pump was activated



PHCC Pro Series backup sump pumps offer:

- 12 volt DC sump pump with decades of proven reliability
- Monitoring of battery, pump conditions and battery fluid level
- Dual float switches for added reliability
- USB Data Port and Remote Terminals connect to external devices such as PHCC Pro Series Pumps CONNECT Modules, home automation systems or other devices for remote notification (Model No. PHCC-1850, PHCC-2400)
- Compatibility with wet cell or AGM/maintenance free batteries

PHCC-1850



Better

BACKUP SYSTEM COMPARISON

	PHCC-1000	PHCC-1850	PHCC-2400
Pumping capacity (in gallons per hour @ 10-ft. height)	1000 GPH	1850 GPH	2400 GPH

EFFICIENT

Charger strength (the higher the amps, the faster it will recharge the battery)	.4 amps	1.6 amps	13 amps
---	---------	----------	---------

Caged float switch provides added protection			•
System pumps intermittently for days	•	•	•

AUTOMATIC

Switches automatically to battery power when AC power fails	•	•	•
Pumps automatically when water volume exceeds the capacity of the main AC pump	•	•	•
Automatically tests the pump weekly		•	•
Alarms when pump is clogged			•

VERSATILE

Pumps on AC power when available as well as battery power			•
Designed for use with maintenance or maintenance free batteries	•	•	•
Can accommodate multiple standby batteries to extend the run time		•	•
USB Data Port (Ability to remotely notify which alert has activated or what specific maintenance might be needed)		•	•
Remote Terminal (Ability to remotely notify of a problem or needed maintenance)		•	•

USER-FRIENDLY

Detects irregularities, sounds an alarm, and pinpoints problems and solutions on the control panel	•	•	•
The alarm can be silenced during a power outage	•	•	•

PHCC-2400



Best

Battery Backup Sump Pumps

Specifications

	Model No. PHCC-1000	Model No. PHCC-1850	Model No. PHCC-2400
Flow @ 10 ft. GPH (3 M.) Head	1,000 GPH	1,850 GPH	2,400 GPH
Amps. @ 10 ft. Total Head	6.5 Amps	10 - 12 Amps	16 Amps
Outlet	1.5" PVC adapter	1.5" PVC adapter	1.5" PVC adapter
Voltage	12 VDC	12 VDC	12 VDC
Power Input	115VAC, 60 Hz	115VAC, 60 Hz	115VAC, 60 Hz
Charger Strength Voltage/Current	12 VDC / .4 Amps	12 VDC / 1.6 Amps	12 VDC / 13 Amps
Motor Type	DC	DC	DC

CONSTRUCTION

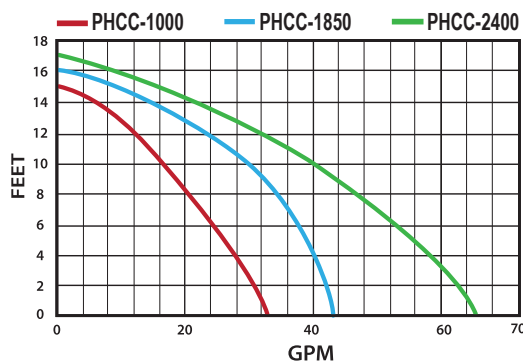
Pump Housing	Non-corrosive ABS	Non-corrosive ABS	Non-corrosive ABS
Impeller	Non-corrosive ABS	Non-corrosive ABS	Fiber Filled Polycarbonate
Shaft Material	Stainless steel	Stainless steel	Stainless steel
Float Switch	Dual, Micro-Reed Switches	Dual, Micro-Reed Switches	Caged Dual, Micro-Reed Switches
Pump Dimensions (WxDxH)	8.5" x 4.5" x 6.5" (21.6 x 11.4 x 16.5 cm)	9.0" x 5.0" x 7.5" (22.9 x 12.7 x 19.1 cm)	9.0" x 4.5" x 8.5" (22.9 x 11.4 x 21.6 cm)
Controller Dimensions (WxDxH)	4.0" x 2.5" x 4.5" (10.2 x 6.4 x 11.4 cm)	7.0" x 3.0" x 4.4" (17.8 x 7.6 x 11.1 cm)	6.25" x 7.25" x 8.25" (15.9 x 18.4 x 20.9 cm)
Shipping Weight	9.0 lb (4.1 Kg)	12.0 lb (5.4 Kg)	23.0 lb (10.4 Kg)

PUMPING TIME WITH BATTERY*

B-1000	50 Hours	Not Recommended	Not Recommended
B-2200	100 Hours	60 Hours	50 Hours
(2) B-2200	Not Recommended	120 Hours	100 Hours
B12-90	100 Hours	60 Hours	50 Hours

* Run time based on 10% duty cycle. Run times may vary based on water flow.

Flow Chart

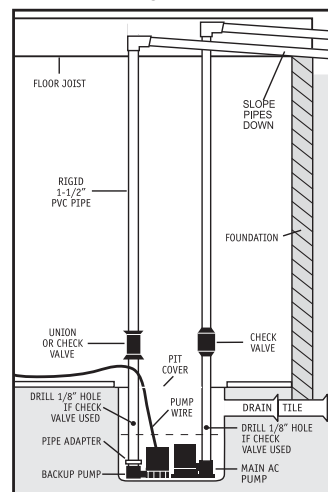


Included with System

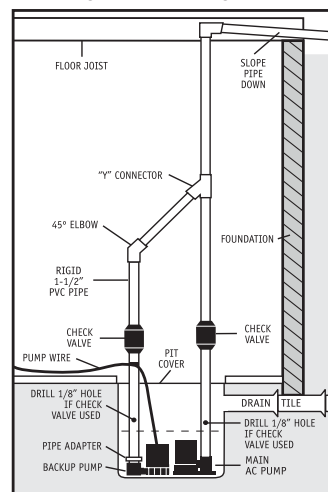
- 12 VDC sump pump
- Control unit with fluid sensor
- Caged dual float switch (Model No. PHCC2400)
- Dual float switch (Model No. PHCC 1000/1850)
- Snap-on Non-Corrosive Screen
- 1-1/2" Pipe adapter
- Battery cap that accommodates fluid sensor
- Battery box

Installation

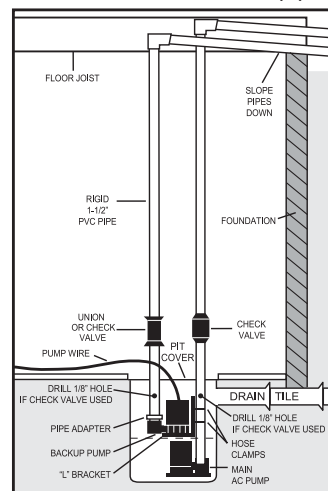
Direct discharge outside



Discharge into existing pipe



Installation in a narrow sump pit





Combination Systems

PS-C11



KEY FEATURES:

- **ST1033 Primary** - pumps 2770 GPH at 10'
- **PHCC-1000 Backup** - pumps 1000 GPH at 10'
- Designed for use with wet cell or maintenance free batteries
- Dual float switches provide dependable activation for each pump
- Unique monitoring controller sounds an alarm if maintenance is needed
- Adjustable run time (Primary Pump)

Energy Saving - Primary Pump

Saves an average of **\$57 per year****



PS-C22



KEY FEATURES:

- **ST1033 Primary** - pumps 2770 GPH at 10'
- **PHCC-1850 Backup** - pumps 1850 GPH at 10'
- Designed for use with wet cell or maintenance free batteries
- Dual float switches provide dependable activation for each pump
- Unique monitoring controller sounds an alarm if maintenance is needed and runs pump weekly to test for proper operation
- USB Data Port and Remote Terminals connects to external devices such as PHCC Pro Series Pumps CONNECT Modules, home automation systems or other devices for remote notification
- Adjustable run time (Primary Pump)

Energy Saving - Primary Pump

Saves an average of **\$57 per year****



PS-C33

* 4 year warranty is available when purchased and installed by a contractor, otherwise the original 3 year warranty is applicable



KEY FEATURES:

- **S3033 Primary** - pumps 3000 GPH at 10'
- **PHCC-2400 Backup** - pumps 2400 GPH at 10'
- Designed for use with wet cell or maintenance free batteries
- Can accommodate two (2) standby batteries to double the run time
- Caged dual float switches provide dependable activation for each pump
- USB Data Port and Remote Terminals connects to external devices such as PHCC Pro Series Pumps CONNECT Modules, home automation systems or other devices for remote notification
- Adjustable run time (Primary Pump)

Energy Saving - Primary Pump

Saves an average of **\$55 per year****



**Assumes average of 9.5 amps for 1/3 HP pumps and 10.5 amps for 1/2 HP pumps, \$.12 per kilowatt hour and running time of 5 minutes per hour.

Combination Systems

Features

All PHCC Pro Series Combination Systems feature:

- Pre-Assembled for quick and easy installation
- Compact footprint fits neatly into most sump pits
- Automatically switches to battery power when AC fails
- Unique monitoring controller detects irregularities, sounds an alarm, and pinpoints problems and solutions on control panel
- Primary pump with energy efficient PSC motor is continuous duty rated and water cooled
- Primary pump controller allows for adjustable pump run time and exercises pump weekly to extend pump life
- Dual float switches provide dependable activation for both primary and backup pumps
- Backup will assist primary pump if excessive amounts of water are entering the sump
- Maintains and recharges battery automatically
- Alarm can be silenced during a power outage
- Designed for use with wet cell or maintenance free batteries
- Pumps are securely attached to raised Sump Foot with stainless steel screws to prevent movement or breakage

BACKUP PUMP MONITORING

	PS-C11	PS-C22	PS-C33
Will sound alarm indicating:			
Battery needs water	●	●	●
Battery is old and needs to be replaced	●	●	●
Battery is discharged	●	●	●
Cable is loose or terminals are corroded	●	●	●
Power, fuse or circuit breaker has failed	●	●	●
Pump has been activated; check the main pump for failure	●	●	●
Remote notification ability		●	●
Automatically tests pump weekly		●	●
Backup pump runs off AC power as well as battery power			●
Displays percentage of power remaining in the battery			●

INCLUDED WITH SYSTEM

- Pre-assembled:
 - ♦ Primary pump
 - ♦ Backup pump
 - ♦ (3) 1½" Standard no hub couplings
 - ♦ (2) Standard check valves with hardware
 - ♦ Sump Foot - raises and secures both pumps
- Backup system controller/charger with fluid sensor
- Primary pump with enhanced controller and caged dual float switch (Model No. DFC1.5)
- Battery box

Specifications

Primary Pump	Model No. PS-C11	Model No. PS-C22	Model No. PS-C33
Flow at 10' Head	2770 GPH	2770 GPH	3000 GPH
Max Head	29' / 8.8 m	29' / 8.8 m	30' / 9.1 m
Discharge	1½"	1½"	1½"
Motor HP	1/3	1/3	1/3
Voltage	115V, 60Hz	115V, 60Hz	115V, 60Hz
Amp. draw at 10'	3.8	3.8	4.0

Backup Pump	PS-C11	PS-C22	PS-C33
Flow at 10' Head	1000 GPH	1850 GPH	2400 GPH
Voltage	12 VDC	12 VDC	12 VDC
DC Current	6.5 Amps	10 - 12 Amps	16 Amps

Dimensions	PS-C11	PS-C22	PS-C33
Width	8.9" (22.6 cm)	8.9" (22.6 cm)	10.0" (25.4 cm)
Depth	11.0" (27.9 cm)	11.0" (27.9 cm)	11.0" (27.9 cm)
Height	23.7" (60.2 cm)	23.7" (60.2 cm)	23.7" (60.2 cm)
Weight	28.5 lbs (12.9 Kg)	32 lbs (14.5 Kg)	43 lbs (19.5 Kg)

PUMP CONSTRUCTION

Primary Pump

- Permanent Split Capacitor (PSC) motor
- Upper and lower sealed ball bearings
- Cast iron/cast aluminum housing (Model No. PS-C11, PS-C22)
Cast iron/stainless steel housing (Model No. PS-C33)
- Electroplated steel shaft (Model No. PS-C11, PS-C22)
Stainless steel shaft (Model No. PS-C33)
- Dual carbon ceramic shaft seals plus additional Buna N seal
- Engineered polymer impeller (Model No. PS-C11, PS-C22)
Polycarbonate impeller (Model No. PS-C33)
- Stainless steel fasteners

Backup Pump

- Non-corrosive ABS housing
- Stainless steel shaft and fasteners
- Rulon seal (Model No. PS-C11, PS-C22)
Carbon ceramic seal w/ Buna N seal (Model No. PS-C33)
- Non-corrosive ABS impeller (Model No. PS-C11, PS-C22)
Non-corrosive fiber filled impeller (Model No. PS-C33)
- Dual ball bearings (Model No. PS-C33)



Standby Batteries

Why use a PHCC Pro Series Standby Battery?

PHCC Pro Series Standby Batteries are designed to:

- Run the pump longer... for more hours per charge
 - Work with all PHCC Backup and Combination systems
 - Last longer in standby operation
 - Accommodate the battery fluid sensor (Wet cell batteries)
- *Acid sold separately (Wet cell batteries)

Wet Cell Standby Batteries

Wet cell standby batteries provide an economical solution to your battery backup needs. After the initial activation with battery fluid, simply add distilled water once every 4-6 months to help keep the battery at optimal levels and provide years of dependable standby service. The Pro Series Wet Cell Standby Batteries accommodate the exclusive fluid sensor that is only found on the PHCC backup and combination systems. Our Wet Cell batteries are shipped dry without battery fluid, giving you the peace of mind in knowing that the battery is 100% ready to go once the battery is activated with the fluid.

PUMPING TIME

System	Model No. B-1000	Model No. B-2200	(2) B-2200
PHCC-1000	50 Hours*	100 Hours*	Not recommended
PHCC-1850	Not recommended	60 Hours*	120 Hours*
PHCC-2400	Not recommended	50 hours*	100 Hours*

*Based on 10% duty cycle. Run times may vary based on inflow of water

SPECIFICATIONS

	B-1000	B-2200
Height (Top of Post)	9-1/4"	10"
Length	11-1/8"	12-7/8"
Width	6-1/2"	6-5/8"
Voltage	12 VDC	12 VDC
Shipping Weight	20.5 lbs.	37 lbs.
Reserve Capacity @ 25 Amps	24	31
Case Size	24	30

Battery Fluid Model No. Z-Pack

- Activates wet cell battery
- Flexible pour spout
- 6 quarts



Better



Best

Standby Batteries

Maintenance Free Standby Batteries

PHCC Maintenance Free Standby Batteries provide dependable service without having to add distilled water. All current PHCC Systems are designed to be used with either the Wet Cell or the Maintenance Free Batteries.

PUMPING TIME

System	Model No. B12-90	(2) B12-90
PHCC-1000	100 Hours*	Not Recommended
PHCC-1850	60 Hours*	120 Hours*
PHCC-2400	50 hours*	100 hours*

*Based on 10% duty cycle. Run times may vary based on inflow of water

SPECIFICATIONS

	B12-90
Height (Top of Post)	9-1/2"
Length	12"
Width	6-1/2"
Voltage	12 VDC
Shipping Weight	58 lbs.
Amp Hours	90
Case Size	27



Extended Run Time

You're able to extend the run time of the PHCC-1850 and PHCC-2400 Battery Backups and the PS-C22 and PS-C33 Combination Systems by connecting two (2) similar batteries in parallel (Read more about the Parallel Cables on Page 21).





Accessories

Water Alarm



Accidents happen...

Model No. PWA

- Water heaters leak
- Washing machines overflow
- Laundry tubs clog and spill over
- Water pipes break

Minimize the risk of water damage...

- You can detect leaks before they become bigger problems by placing a Pro Series Water Alarm wherever there is a risk of water damage
- The 110 db alarm will sound when as little as 1/32" of water reaches the sensor
- Helps keep MOLD away by alerting to its major cause – water
- Includes 6' of sensor wire for remote monitoring
- Wire can be extended to over hundreds of feet



Sump Foot

2 Styles Available

Key Features

- Pre-drilled holes for ease of installation
- Made of high impact Polypropylene
- Keeps pumps out of dirt and debris
- Includes mounting hardware
- 1 year warranty

Sump Foot for 1 Pump

Model No. SF1A

- Provides solid base for a single pump, either backup or primary pump



Sump Foot for 2 Pumps

Model No. SF2A

- Provides solid base for both backup and primary pump



Parallel Jumper Cables

Longer Run Time

Model No. PJC

- Parallel Jumper Cables extend the run time of the PHCC-1850 and PHCC-2400 Battery Backups and the PS-C22 and PS-C33 Combination Systems
- Connects multiple PHCC Pro Series batteries
- 12 gauge wires, 40" length with 3/8" and 5/16" ring terminals

Tips Before You Begin

- The batteries should be of similar age, type and capacity
- Connecting an old and new battery together will not allow for proper charging

Easy Installation

- Requires additional PHCC Pro Series battery(s)
- Wired in parallel (positive-to-positive and negative-to-negative)



1 year
Warranty

Accessories

Check Valves

Screw-in 1-1/2" Check Valve

Model No. 1141003

- Flapper opens 100%
- Used on primary pumps for Combo systems

Model No. PS-CVRU

- Similar to Model No. 1141003
- Built-in weep hole
- Rubber union with stainless steel hose clamps

Model No. PS-CVNH

- Similar to Model No. 1141003
- Built-in weep hole
- No-Hub with stainless steel hose clamps



Check valve shown with no-hub

Universal Rubber Booted Check Valve

Model No. 1141004

- Flapper opens 100%
- 1-1/2" x 1-1/4"
- (4) Stainless steel hose clamp included

1-1/2" Rubber Booted Check Valve

Model No. 1141005

- Flapper opens 100%
- 1-1/2" x 1-1/2"
- (4) Stainless steel hose clamp included



Klunkless™ Check Valve

Model No. CCV1

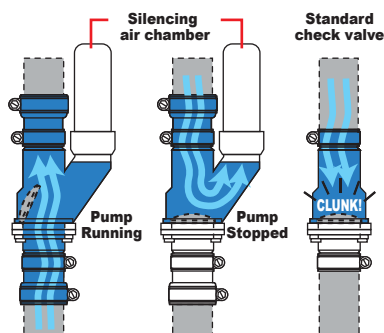
- Silencing air chamber
- Reduces the loud CLUNKING sound when sump pumps stops
- Absorbs the sound that normally occurs after pump shutoff
- 1 year warranty

Easy Installation

- No gluing required
- Compatible with 1-1/2 in. and 1-1/4 in. pipes
- Fits easily in compact spaces
- Not for use with ejector pumps

Includes:

- Stainless-steel hose clamps



1 year
Warranty

Water Sensor

Water Sensor

Model No. PS-WS

- Will activate a warning light, an audible alarm, and send a signal to the remote terminal when water reaches this additional sensor
- For use with the Deluxe Controller (DFC2, VSC2 and TSC2)
- Attaches to discharge pipe
- Mounting hardware included
- 10 foot cord with plug



Quick Connect Main Pipe

Makes Sump Pump Replacement and Installation Easy

Model No. PS-MP

- No need to remove the pipe from the old pump!
- Save time from having to cut, drill, prime and glue PVC
- Save on cost of adapters, PVC, primer and cement
- Total length: 14.25"

Pre-assembled with:

1. 1-1/2" Rubber Coupling
2. 1-1/2" Check Valve
3. 1-1/2" NPT Female Adapter
4. Pre-Drilled Weep Hole
5. 1-1/2" Discharge Pipe
6. 1-1/2" NPT Threaded Male Adapter

Easy Installation

1. Screw the Quick Connect Pipe into the outlet of the pump
2. Insert the rubber union into the existing vertical discharge pipe
3. Tighten both upper and lower hose clamps on the rubber union

1 year Warranty



