

Leading the Industry in Green Technology

PHCC Pro Series

Company Profile

Mission Statement:

RO SERIES

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 3 **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

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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 provide 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 business card pre-printed on them

FREE Training Sessions

- · For you and your staff, to help you sell our products effectively
- · Sessions availabile 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

www.StopFlooding.com

• 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



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
- The entire PHCC Pro Series AC Pump line incorporates:
 - PSC motors
 - Thermal protection
 - Upper and lower ball bearings

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 18 month, 3-year, 4-year and 5-year warranties.

On the Forefront of Technology

Patented Dual Float Switch

RO SERIES PUMPS

- 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
 - Remote terminal can be connected to a home security/automation system. auto dialer or other device to alert to problems when homeowners are away from home

Connected Pumps and the Remote Terminal

- · Many of the models within the PHCC Pro Series line already have a built-in gateway to allow you to connect the pump to different remote notification possibilities
- The remote terminal allows the unit to connect to one of many external devices
 - Home security system/Home automation systems
 - Connects from pump controller to security/automation system for sending alerts
 - Simple installation requires only a pair of wires to be installed from pump to security system
 - Auto dialer
 - Inexpensive
 - Easily connects to landline or cellular service
 - Works during power outage
 - Other devices ÷
 - As technology keeps changing, the Remote Terminal will continue to be compatible with new devices
 - Allows for flexibility not found in other brands

For more information on Connected Pumps see page 12 or www.StopFlooding.com/connected



Harmonically balanced, quiet operation

Double or triple seals to ensure longer life

Water cooled motors (no cooling oil)

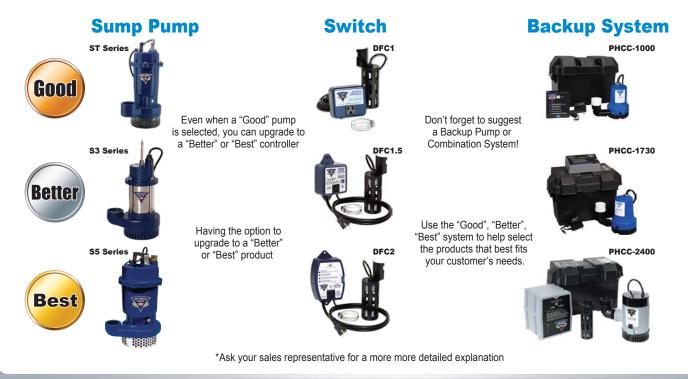


Selection and Quality Guarantee

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 product means higher profitability
- · Solutions to meet your customers needs



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.

OVOTEM	Contractor Installation		
SYSTEM	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*	
	S3 Series	4 years*	
	S5 Series	5 years	
Sewage Pumps	All Sewage Pumps	3 years	



* Applicable when purchased and installed by a contractor

(800) 991-0466

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.

		switches or as separate items, system to meet your customer's needs
 Allows 	s you to stock less inventor	ry which saves on product investment
 Provid 	les you with the product ar	nd tools to upgrade the sale
First, order any pump	with no switch (NS)	Then, order any switch
□ ST1033 – NS □	S5033 – NS	DFC1
□ ST1050 – NS □	S5050 – NS	🗹 DFC1.5
S3033 – NS	E7040 – NS	DFC2
□ S3050 – NS □	E7055 – NS	
□ S3100 – NS □	E7105 – NS	
S3033 pump with no switch (NS)	Submerston Sump Pump	These items will be packaged separately
in the box	S3033–NS 1/3 HP Pump 1-1/2" Discharge - 10' Power Cor (Pump only unless a box below is check	
	Packaged with: S3033–DFC1 Standard Controller / Dual Float Sw S3033–DFC1.5 Enhanced Controller / Dual S033_DEC2	Provide and the second se

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



PRO SERIES PUMPS

Sump Pumps

Premium Components Equals Quality Pumps

All PHCC Pro Series pumps feature high performance, energy efficient permanent split capacitor (PSC) motors.

Our pumps also offer upper and lower ball bearings which increase efficiency and durability. Plus, our motors are water cooled, eliminating the need for oil which can be harmful to the environment.

These upgrades result in a powerful motor that offers superior efficiency, durability and longevity.

Premium Components Means GREEN SAVING\$

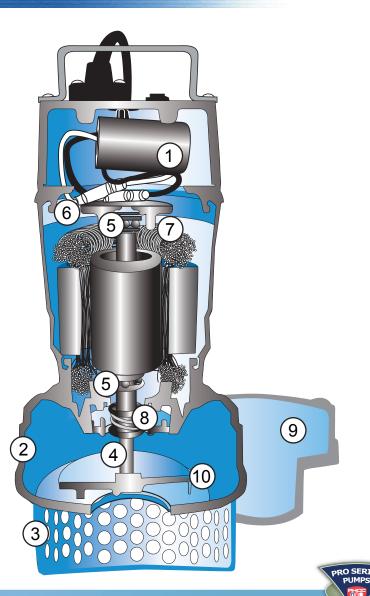
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All PHCC Pro Series AC pumps use substantially fewer amps than shaded pole pumps from other manufacturers. That means they are considerably less expensive for a homeowner to operate. Superior energy efficiency translates to lower energy bills for the 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

Sump Pump Components and Construction

- 1. Permanent split capacitor increases energy efficiency
- Housing: Cast aluminum/nylon housing (SR Series) Cast iron/Cast aluminum housing (ST Series) Cast iron/Stainless steel housing (S3 Series) Cast iron housing (S5 Series)
- Strainer: Electroplated steel strainer (ST Series) Non-corrosive polypropylene strainer (SR Series, S3033 and S3050) Chrome plated steel strainer (S3100 and S5 Series)
- 4. Shaft: Stainless steel (S3 Series and S5 Series)
- 5. Upper and lower sealed ball bearings provide quiet operation that homeowners appreciate
- 6. Water cooled (no cooling oil)
- 7. Thermally protected (SR Series, ST Series, S3 Series and S5 Series)
- 8. Two carbon ceramic shaft seals plus (1) Buna-N seal
- Outlet: 1½" outlet (SR33-VS, ST1033, S3033, S5033) 2" outlet (ST1050, S3050, S3100, S5050)
- 10. Impeller: Engineered polymer (SR Series and ST Series) Polycarbonate (S3033 and S3050) Dynamically balanced cast iron (S3100, S5 Series)



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Good

Better

Sump Pumps

ST Series Sump Pump

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
- Will fit in 10" diameter sump pit Includes 2" to 1¹/₂" PVC reducer
- (ST1050)

Energy Savings

Saves an average \$57 per year*

00		-	
LTH	101	Tima	Pump

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 11/2" PVC reducer (S3050 and S3100)

Energy Savings

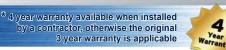
Saves an average \$55 per year*

	ST1033-NS	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" / 41.3 cm
-		

* 3 year warranty available when installed

by a contractor, otherwise the original 18 month warranty is applicable





	S3033-NS	S3050-NS	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	18.0" / 45.7 cm



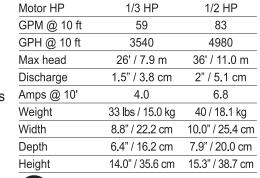
S5 Series Sump Pump



- All cast iron housing
- Continuous duty rated
- Energy efficient permanent split capacitor (PSC) motor
- Water cooled motor (no cooling oil)
- Stainless steel fasteners
- Best for high capacity applications
- Dynamically balanced cast iron impeller
- Includes 2" to 1¹/₂" PVC reducer (S5050)

Energy Savings

Saves an average \$55 per year*



S5033-NS

S5050-NS

SP

*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





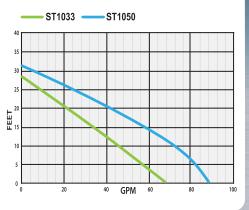


Best

Sump Pumps

SR Series Sump Pump

Flow Chart



Features

- Cast aluminum body
- Durable nylon cover
- Polypropylene volute
- Energy efficient permanent split capacitor (PSC) motor
- Upper and lower ball bearings
- Double carbon ceramic plus Buna N shaft seals
- Stainless steel fastners
- · Built-in vertical switch
- 10' Pump cord

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• Will fit in 10" diameter sump pit



Saves an average \$62 per year*

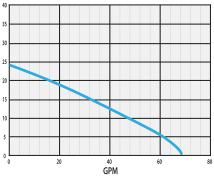
	Flow Chart					
		S 30)50 -	s	3100	
55 50 45 40 35 30 25 20 15 10 5		- \$3(050 -	S	3100	
0	0 20	40	GPM	60	80	100

SR33-VS Motor HP 1/3 HP GPM @ 10 ft 47 GPH @ 10 ft 2820 Max head 24.6' / 7.5 m 1.5" / 3.8 cm Discharge 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



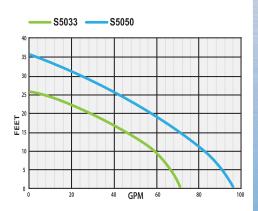
Flow Chart





Leading the Industry in Green Technology

Flow Chart



All PHCC Pro Series Sump Pumps use less electricity than competing pumps, without sacrificing performance.

- Feature high performance, high efficiency PSC (permanent split capacitors) motors, which use fewer amps than most manufacturers
- Fewer amps mean less electricity used, reducing homeowner's costs and reducing CO2 emissions that pollute our air
- Considerabley less expensive to operate, potential savings \$50-\$70 per year. The average cost savings earned when using a 1/3 HP PHCC Pro Series ST1033 sump pump is \$57.42 per year*



*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

www.StopFlooding.com

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Good

Better

Sewage Pumps

E7040 - 4/10 HP

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 permanently lubricated ball bearings
- 10' power cord



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 permanently lubricated ball bearings
- 10' power cord





E7105 - 1 HP

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 permanently lubricated ball bearings
 10' power cord



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-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
-	





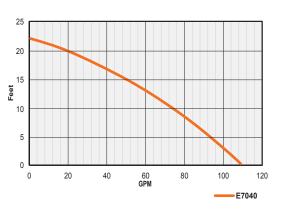
E7105-NS
1 HP
100
6000
32' / 9.75 m
2" / 5.1 cm
2" NPT / 5.1 cm
10.5
41.1 lbs / 18.6 kg
9" / 22.9 cm
5.875" / 15 cm
20" / 50.8 cm





Sewage Pumps

Flow Chart





80 GPM 100

Flow Chart

2!

Feet

Sewage Pump Construction

- Permanent split capacitor increases energy efficiency (PSC motor)
- 2. Housing: Cast iron/Stainless steel housing (E7040, E7105) Cast iron housing (E7055)
- 3. Upper and lower permanently sealed ball bearings
- 4. Two carbon ceramic shaft seals plus (1) Buna-N seal
- 5. 2" Outlet
- 6. Dynamically balanced cast iron Vortex impeller

5

7. Stainless steel fasteners



Vertical Switch



VS – Vertical Switch

2

- Recommended for sewage pumps
- Mechanical float on rod
- Adjustable float height
- Easy installation
- Piggy-back plug with 10' cord
- 13 Amp maximum
- Stainless steel hose clamp included

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140

E7105

120

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3

4

6

7



DFC1

Switches and Controllers





DFC1 – Standard Controller and Dual Float Switch

- · 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

DFC1.5 – Enhanced Controller and Dual Float Switch

- · Two micro reed floats with protective cage for added reliability
- · Activates pump weekly to exercise and extend pump life
- Pump run time is adjustable

DFC2 – Deluxe Controller and Dual Float Switch

- Monitors pump and power conditions and sounds an alarm when problems are detected
- Visual notification and recommended maintenance remedy
- · Activates pump weekly to exercise and extend pump life
- Pump run time is adjustable
- Includes export terminals for connecting to a remote dialer or home security system

CONTROLLER COMPARISON

	DFC1	DFC1.5	DFC2
Includes Dual Float Switch	٠	٠	٠
Sounds an alarm and alerts when:			
AC power has failed			٠
Pump or float problem is detected			•
9v battery is low or slide switch is off			٠
Includes remote terminals for connecting to a home security system, remote dialer or other device			•
Float switch can be unplugged from controller for easy installation		٠	٠
System is operating light (flashes)		٠	٠
Adjustable run time from 5-45 seconds after the water level falls		٠	٠
Activates pump weekly to exercise and extend pump life		٠	•
Universal controller mounting tabs		•	٠
2' power cord		٠	
4' power cord			•
10' float switch cord	٠	•	٠
Piggy-back plug	٠	٠	•



Switches and Controllers

Dual Float Switch

Additional Protection

Two micro reed activated floats for added reliability

Teas

- Protective cage prevents debris from interfering with floats
- · Easy installation
- · Float switch can be unplugged from controller for easy installation
- Solid top keeps out sand and dirt
- · Vented, curved bottom prevents debris build-up under the float
- · Mounts to discharge pipe with included hardware
- Activation level is adjustable
- Included with DFC1, DFC1.5 and DFC2

How it works:

The PHCC Dual Float Switch has, not one, but two floats mounted within a protective cage. Should one float fail to operate, the second float automatically activates the pump. The protective cage prevents debris or wires from interfering with the movement of the floats.



PHCC Pro Series Pumps has always focused on the monitoring and communicating to homeowners of any issue or recommended maintenance their sump pump may need. As smart homes and connected devices become more common, many of the models within the PHCC Pro Series line already have a built-in gateway to allow you to connect the pump to different remote notification possibilities.

Our Remote Terminal acts as a gateway to allow for many different connection options, as well as compatibility with future technologies. You'll find options and recommendations on compatible devices at our website: www.StopFlooding.com/connected

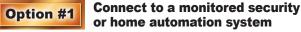
Remote Capabilities

- The remote terminal allows the unit to connect to one of many external devices
- Allows for flexibility not found in other brands
- As technology changes the remote terminal will still be compatible with new devices

Included with:

Backup Systems

- PHCC 1730
- PHCC 2400
- **Combo Systems**
 - PS-C22
 - PS-C33
- **Primary Pump Switch**
 - DFC2









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Landline or Cellular Service

- Easy to connect
- Works during power outage
- Simple installation requires only a pair of wires to be installed from pump to security system

Home Automation System

Connects from pump controller to security or

home automation system for sending alerts

Monitored Security System

www.StopFlooding.com



Pump Alternator Control and Alarm System





PRO SERIES PUMPS

The Pump Alternator Control and Alarm System is ideal for those wishing to maintain two primary pumps in the same pit. The alternator lengthens the life of both pumps by alternating usage. It also alerts to pump failure, high water and system operation. The Pump Alternator includes 2 Model VS vertical float switches. It can accommodate any 2 of our PHCC Pro Series primary sump pumps.



Model No. DVSA

Features:

- Prolongs pump life by alternating two primary pumps
- Runs one pump at a time
- If one pump fails the other pump will take over and an audible alarm will sound
- Flashing light will indicate which pump is failing
- Remote terminal allows the unit to connect to any security system, auto dialer or other device
- · Includes two vertical float switches
- If one float switch fails the other float switch will take over and an audible alarm will sound
- Angled receptacles to accept a standard or right angled pump plugs
- 15 Amps max.
- 9V battery back-up for "High Water Alarm" alarm
- Plug and play for easy installation
- 9 foot long power cord

LED Indicators for:

- · High Water Alarm
- · Alarm Silenced
- Pump 1 Running (steady light)
- Pump 1 Failure (flashing light)
- Pump 2 Running (steady light)
- Pump 2 Failure (flashing light)
- System Operating

Buttons:

- Test Alarm
- Silence Alarm
- Test Pump
- Test / Reset



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.

aee

The Pro Series backup system will provide a secondary pumping source. It will pump intermittently for days. For extra long run time, it can handle up to 3 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 if 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
- Remote messaging available via included export terminal on top two backups and combination systems.
 Export terminal provides easy connection to various phone, wireless and smart home systems

Good, Better, Best Selection

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

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Battery Backup Sump Pumps

РНСС-1000

PRO SERIES PUMPS

Good











- Power outagesFloat switch failures
- Primary pump failures
- Excessive inflow of water

PHCC Pro Series backup sump pumps offer:

- 12 volt DC sump pump with decades of proven reliability
- Monitoring of battery and pump conditions
- Monitoring of the battery fluid level
- Dual float switches for added reliability
- Remote terminals to communicate with a home security system, auto dialer or other device (PHCC-1730, PHCC-2400)
- · Ability to be used with wet cell or AGM/maintenance free batteries

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

BACKUP SYSTEM COMPARISON

	PHCC-1000	PHCC-1730	PHCC-2400
Pumping capacity (in gallons per hour @ 10-ft. height)	1000 GPH	1730 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			٠
System pumps intermittently for days	٠	٠	٠
Automatic			
Switches automatically to battery power when AC power fails	٠	•	•
Pumps automatically when water volume exceeds the capacity of the main AC pump	٠	٠	٠
Automatically tests the pump weekly		٠	٠
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	•	٠	•
Remote terminal to connect to a home security system, auto dialer or other device		٠	٠
USER-FRIENDLY			
Detects irregularities, sounds an alarm, and pinpoints problems and solutions on the control panel	٠	•	•
The alarm can be silenced during a power outage	•	•	•

Best

Battery Backup Sump Pumps

Specifications

Teler

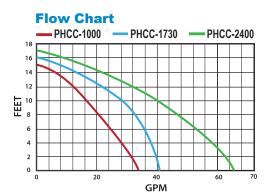
	PHCC-1000	PHCC-1730	PHCC-2400
Flow @ 10 ft. GPH (3 M.) Head	1,000 GPH	1,730 GPH	2,400 GPH
Amps. @ 10 ft. Total Head	6.5 Amps.	10 - 12 Amps.	16 Amps.
Max. Head	15 ft. (4.6 M)	16 ft. (4.9 M)	17 ft. (5.2 M)
Outlet	1.5" PVC adapter	1.5" PVC adapter	1.5" PVC adapter
Voltage	12 VDC	12 VDC	12 VDC
Power Input	115VAC, 60 Hz	115VAC, 60 Hz	115VAC, 60 Hz
Charger Strength Voltage/Current	12 VDC / .4 Amp	12 VDC / 1.6 Amp	12 VDC / 13 Amp
Motor Type	Brush-type DC	Brush-type DC	Brush-type 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	8.5" x 4.5" x 6.5"	9.0" x 5.0" x 7.5"	9.0" x 4.5" x 8.5"
(WxDxH)	(21.6 x 11.4 x 16.5 cm)	(22.9 x 12.7 x 19.1 cm)	(22.9 x 11.4 x 21.6 cm,

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
B12-75	80 Hours	48 Hours	40 Hours
B12-90	100 Hours	60 Hours	50 Hours
B12-100	133 Hours	80 Hours	66 Hours

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

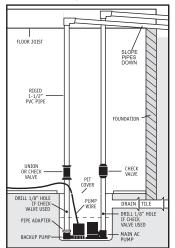


Included with System

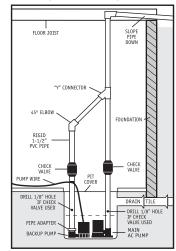
- 12 VDC sump pump
- · Control unit with fluid sensor
- Caged dual float switch (PHCC2400)
- Dual float switch (PHCC 1000/1730)
- Snap-on Non-Corrosive Screen
- · Battery cap that accommodates fluid sensor
- · Battery box

Installation

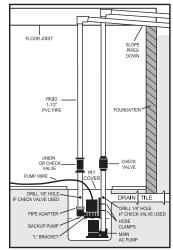
Direct discharge outside



Discharge into existing pipe



Installation in a narrow sump pit



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O SERIES PUMPS

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 AGM / maintenance free batteries
- Dual float switches provide dependable activation for each pump
- Unique monitoring controller sounds an alarm if maintenance is needed
- · Pumps are securely attached to raised Sump Foot with stainless steel screws to prevent movement or breakage

Energy Saving - Primary Pump Saves an average of \$57 per year*

PS-C22

KEY FEATURES:

- ST1033 Primary pumps 2770 GPH at 10'
- PHCC-1730 Backup pumps 1730 GPH at 10'
- Remote terminals for connection to a security system or auto-dialer
- Designed for use with wet cell or AGM / 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
- Pumps are securely attached to raised Sump Foot with stainless steel screws to prevent movement or breakage

Energy Saving - Primary Pump

Saves an average of \$57 per year*

PS-C33

KEY FEATURES:

- S3033 Primary pumps 3000 GPH at 10'
- PHCC-2400 Backup pumps 2400 GPH at 10'
- · Remote terminals for connection to a security system or auto-dialer
- Designed for use with wet cell or AGM / maintenance free batteries
- · Can accommodate two (2) standby batteries to double the run time
- Caged dual float switches provide dependable activation for each pump
- · Pumps are securely attached to raised Sump Foot with stainless steel screws to prevent movement or breakage

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.

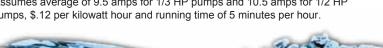
Best



PRO SERIES PUMPS

Good







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
- 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 AGM / maintenance free batteries

BACKUP PUMP MONITORING

Will sound alarm indicating:	PS-C11	PS-C22	PS-C33
Battery needs water	٠	٠	•
Battery is old and needs to be replaced	٠	٠	•
Battery is discharged	٠	٠	•
Cable is loose or terminals are corroded	٠	٠	•
Power, fuse or circuit breaker has failed	٠	٠	٠
Pump has been activated; check the main pump for failure	٠	٠	•
Automatically tests pump weekly		٠	٠
Backup pump runs off AC power as well as battery power			٠
Displays percentage of power remaining in the battery			•

INCLUDED WITH SYSTEM

- · Pre-assembled:
 - Primary pump
 - Backup pump
 - (3) 1¹/₂" 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 controller (DFC1) with caged dual float switch
- Battery box

Specifications

Primary Pump	PS-C11	PS-C22	PS-C33
Flow at 10' Head	2770 GPH	2770 GPH	3000 GPH
Max Head	31' / 9.4 m	31' / 9.4 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	1730 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)

PUMP CONSTRUCTION

Primary Pump

Weight

- · Permanent Split Capacitor (PSC) motor
- · Upper and lower sealed ball bearings
- Cast iron/cast aluminum housing (PS-C11, PS-C22), Cast iron/stainless steel housing (PS-C33)

28.5 lbs (12.9 Kg) 32 lbs (14.5 Kg)

- Electroplated steel shaft (PS-C11, PS-C22), Stainless steel shaft (PS-C33)
- Dual carbon ceramic shaft seals plus additional Buna N seal
- Engineered polymer impeller (PS-C11, PS-C22), Polycarbonate impeller (PS-C33)
- · Stainless steel fasteners

Backup Pump

- Non-corrosive ABS housing
- Stainless steel shaft and fasteners
- Rulon seal (PS-C11, PS-C22), Carbon ceramic seal w/ Buna N seal (PS-C33)
- Non-corrosive ABS impeller (PS-C11, PS-C22), Non-corrosive fiber filled impeller (PS-C33)
- Dual ball bearings (PS-C33)

43 lbs (19.5 Kg)

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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

PRO SERIES

• Work with all PHCC Backup and Combination systems

*Acid sold separately (Wet cell batteries)

- Last longer in standby operation
- Accommodate the battery fluid sensor (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	B-1000	B-2200	(2) B-2200
PHCC-1000	50 Hours*	100 Hours*	Not recommended
PHCC-1730	Not recommended	60 Hours*	120 Hours*
PHCC-2400	Not recommended	50 hours*	100 Hours*

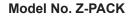
*Based on 10% duty cycle. Run times may vary based on inflow of water

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	90 min.	182 min.	
Case Size	24	31	

Battery Fluid

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









Standby Batteries

Maintenance Free Standby Batteries

600

PHCC Maintenance Free Standby Batteries provide dependable service without having to add distilled water. With 3 sizes to choose from, there is a PHCC Maintenance Free Battery available to meet your needs. All PHCC Systems are designed to be used with either the Wet Cell or the Maintenance Free Batteries.

PUMPING TIME				
System	B12-75	B12-90	B12-100	
PHCC-1000	80 Hours*	100 Hours*	133 Hours*	
PHCC-1730	48 Hours*	60 Hours*	80 Hours*	
PHCC-2400	40 Hours*	50 hours*	66 Hours*	

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

SPECIFICATIONS				
	B12-75	B12-90	B12-100	
Height (Top of Post)	9"	9-1/2"	9-1/2"	
Length	10-1/4"	12"	13"	
Width	6-1/2"	6-1/2"	6-3/4"	
Voltage	12 VDC	12 VDC	12 VDC	
Shipping Weight	50 lbs.	58 lbs.	69 lbs.	
Amp Hours	75	90	100	
Case Size	24	27	31	



Extended Run Time

You're able to extend the run time of the PHCC-1730 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).



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Accessories

Water Alarm

Minimize the risk of water damage

Accidents happen...

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

You can detect leaks before they become bigger problems by placing a Pro Series Water Alarm wherever there is a risk of water damage...In the:

• Utility room • Kitchen • Bathroom • Basement

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.

Dependable protection

Solid state circuitry is extremely sensitive and dependable

Extended life

Alarm will sound up to 3 days. No drain on battery when not alarming.

Small profile

Compact 4-1/4" x 1-1/4" x 3-1/4" case fits in almost any space



Versatile

Includes 6' of wire for remote monitoring (the sensor wire can be extended hundreds of feet by simply splicing in additional wire)

Easy to use

Install a 9V battery (not included) and place the alarm on the floor, or hang the alarm and extend the sensor to the floor, into the sump pit, or anywhere you need to keep dry; mounting holes in the sensor allow it to be secured to any surface

Parallel Jumper Cables

Longer Run Time

- Parallel Jumper Cables extend the run time of the PHCC-1730 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 and capacity
- Connecting an old and new battery together will not allow for proper charging

Easy Installation

- Requires additional PHCC Pro Series batteries and acid packs
- Wired in parallel (positive-to-positive and negative-to-negative)



Model No. PJC

Accessories

Klunkless[™] Check Valve

· Reduces the loud CLUNKING sound when sump pumps stops

· Absorbs the sound that normally occurs after pump shutoff

· Silencing air chamber

1 year warranty

Easy Installation

· No gluing required

Compatible with 1-1/2 in.

Check Valves

Tage

Screw-in 1-1/2" Check Valve

- Model No. 1141003
- Flapper opens 100%
- Used on primary pumps for combo systems

Universal Rubber Booted Check Valve Model No. 1141004

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

Sump Foot

2 Styles Available

- · Pre-drilled holes for ease of installation
- Made of high impact Polypropylene
- Keeps pumps out of dirt and debris

SF1

 Provides solid base for both backup and primary pump

SF₂

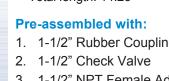
 Provides solid base for a single pump, either backup or primary pump



1 year Warrantv



Model No. SF2



- Male Adapter

Easy Installation

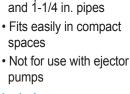
- 1. Screw the Quick Connect Pipe into the outlet of the pump
- 2. Insert the rubber union into the existing vertical discharge pipe
- 3. Tighten both uppper and lower hose clamps on the rubber union

Model No. PS-MP





Serente Val



Includes:

 Stainless-steel hose clamps for convenience ___ Pump ⊟ Running Pump Stopped Model No. CCV1

Silencing

chamb

Standard

check valve

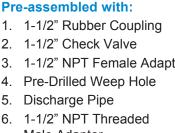
1 year Warranty

Quick Connect Main Pipe

Makes Sump Pump **Replacement and Installation Easy**

- 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"
- 3. 1-1/2" NPT Female Adapter







As we are continuously improving our products, the items supplied may not agree in all details with the descriptions and specifications shown. We make every effort to provide our customers with superior products however Glentronics, Inc. reserves the right to change or discontinue any product without prior notice. Glentronics, Inc. 645 Heathrow Drive Lincolnshire, IL 60069 (800) 991-0466 www.StopFlooding.com