

Why Basement Watchdog?

Basement Watchdog has been protecting homes for 30 years. We use intelligent design, premium components, quality manufacturing and thoroughly test all of our products. You can be confident that The Basement Watchdog is... *Watching Out for You!*

Reliability

- Every pump is 100% tested in water
- Lifetime product support you can count on
- Customer service provided from expert support reps by phone as well as excellent online resources and trouble-shooting available

Durable Construction

- Premium components both inside and out
 - PSC motors for energy efficiency
 - Dual ball bearings for quiet operation
 - Carbon ceramic shaft seals for long life
 - Stainless-steel hardware that won't rust
- Each pump is thermally protected

Pumps to Meet Your Needs

- **Sump**
 - SP Series—thermoplastic, 1/3 and 1/2 HP
 - SIT Series—cast iron, 1/3 and 1/2 HP
 - BWT Series—cast iron/cast aluminum, 1/2 and 3/4 HP
 - BWSS Series—cast iron/stainless-steel, 1 HP
- **Sump/Effluent**
 - SI Series—all cast iron, 1/3 and 1/2 HP
- **Sewage**
 - SW Series—cast iron/stainless-steel, 1/2 HP
- **Utility**
 - BWU Series—thermoplastic, automatic or manual
- **Backup**
 - Big Dog CONNECT®—when you simply want the best
 - Special CONNECT®—high-end features, reasonable cost
 - Emergency—dependable protection at a great price
- **Pre-Assembled Combination Backup and Primary**
 - CITS-50—1/2 HP Primary with Basement Watchdog Special CONNECT® Battery Backup System
 - CITE-33—1/3 HP Primary with Basement Watchdog Emergency Battery Backup System

Basement Watchdog Professional Pumps

Look for the Basement Watchdog Professional name for heavy-duty applications.



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Sump, Effluent, Sewage and Utility Pumps



	SP-33T	SP-50T	SIT-33D	SIT-50D	SI-33V	SI-50V	BWT050	BWT075	BWSS100	SW-50T
Application	Sump	Sump	Sump	Sump	Sump/Effluent	Sump/Effluent	Sump	Sump	Sump	Sewage
Motor HP	1/3 HP	1/2 HP	1/3 HP	1/2 HP	1/3 HP	1/2 HP	1/2 HP	3/4 HP	1 HP	1/2 HP
Switch	Tether	Tether	Dual Float	Dual Float	Vertical	Vertical	Dual Float	Dual Float	Dual Float	Tether
GPH @ 0 ft.	3700	3900	3720	4400	4000	4300	4100	5300	6540	6000
GPH @ 10 ft.	2800	3100	3100	3540	3200	3600	2770	3630	4400	4400
Pump Discharge	1 1/2 in	1 1/2 in	1 1/2 in	1 1/2 in	1 1/2 in	1 1/2 in	1 1/2 in	2 in	2 in	2 in
Amps @ 10 ft. Head	4.2 A	5.5 A	3.5 A	4.2 A	5 A	6 A	3.8 A	4.8 A	6.3 A	6.6 A
Limited Warranty	1 year	1 year	3 year	3 year	3 year	3 year	3 year	5 year	3 year	3 year



Tether Switch

- For use with sump or sewage pumps
- Float is adjustable



Vertical Switch

- For use with sump or sewage pumps
- Float is adjustable



Dual Caged Float Switch

- For use with sump pumps
- Two floats for double the protection
- Protective cage keeps wires and debris from interfering with the floats
- Float is adjustable on the discharge pipe



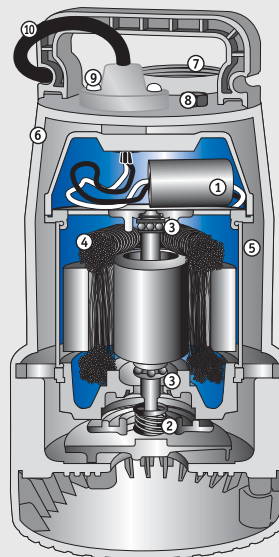
Utility Pump

- Energy-efficient PSC motor draws only 2.5 amps, using less electricity without sacrificing performance
- Pumps water down to 1/4-inch
- Removable intake screen for easy cleaning of debris
- Built-in air-relief valve prevents air lock
- Connects to 3/4-inch garden hose or 1 1/4-inch flexible sump pump discharge hose
- 45° angle prevents hose kink at pump connection
- Great for a variety of uses including wet basements, window wells, pool covers, boats, and other areas where water collects
- Automatic pump turns on in as little as 1 3/4-inch of water (BWU033PAS)

Pump Construction

Not All Sump Pumps Are Created Equal

All Basement Watchdog products are designed with quality materials and workmanship for better performance. Our pumps are built with an energy-efficient PSC motor, upper and lower ball bearings, and carbon ceramic shaft seals. These premium components lead to greater energy efficiency, longer life, and quiet operation.



1. Energy-efficient Permanent Split Capacitor (PSC) motor
2. Carbon ceramic shaft seals protect the motor
3. Upper and lower ball bearings make for quiet operation and extend the life of the motor
4. Thermally protected
5. Water-cooled; no oil to leak into the water system (on all SIT, BWT, and BWSS Series models)
6. Durable construction
7. 1 1/2-inch or 2-inch discharge
8. Built-in air relief valve (on all SIT, SP, and SI Series models)
9. Stainless-steel hardware will not corrode
10. 10-foot power cord



Universal Float Switch

Dual Float Controller

- Two micro-reed activated floats for added reliability
- Protective cage prevents debris from interfering with floats
- Solid top keeps out sand and dirt
- Vented, curved bottom prevents debris build-up under the float
- Mounts to discharge pipe with included stainless-steel hose clamp
- Activation level is adjustable
- BWC1 dual float switch is included with SIT, BWT, and BWSS Series pumps
- BWC1 dual float is available as a universal replacement switch with other brands of sump pumps (not for use with sewage pumps)



Accessories

In-Touch 360°™ Water Alarm

Patented design detects water, and sounds the alarm when placed on any side

Accidents happen...water heaters rust and leak, laundry tubs overflow, and pipes break. Detect leaks before they become bigger problems by placing a water alarm wherever there is a risk of water damage.

- Can be placed on any side, in any orientation
- Will still work if unintentionally knocked over
- Solid-state circuitry is extremely sensitive and reliable
- Loud 110 dB alarm can be heard throughout the house
- Detects as little as 1/32-inch of water to offer an effective, early-warning system



Water Alarm

Minimize the risk of water damage with a Watchdog Water Alarm

Detect leaks before they become bigger problems by placing a water alarm wherever there is a risk of water damage:

- Utility room
- Laundry room
- Kitchen
- Bathroom
- Basement



The loud, 110 dB alarm will sound when as little as 1/32-inch of water reaches the sensor.

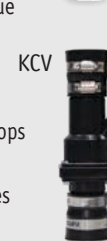
Quick Connect Pipe

- Pre-assembled discharge pipe includes:
 - Rubber coupling—1 1/2-inch
 - Check valve—1 1/2-inch
 - Female adapter—1 1/2-inch
- Pre-drilled weep hole
- Discharge pipe—1 1/2-inch
- Threaded male adapter—1 1/2-inch
- Makes pump installation or replacement quick and easy
- Saves time—no cutting, drilling, priming and gluing the PVC pipe
- No need to buy adapters, PVC pipe, primer and glue



Klunkless Check Valve

- Silencing air chamber
- Reduces the loud clunking sound when a pump stops
- No gluing required
- Easily installs on both 1 1/2-inch and 1 1/4-inch pipes



Protect Your Home!

- Battery Backup Sump Pumps
- Primary Sump Pumps
- Combination Pumps
- Dual Float Switches
- Water Alarms



www.basementwatchdog.com

Watching Out for You!

Battery Backup Sump Pump

Basement Watchdog systems protect your home from flooding due to:

- Power loss
- Main pump failure
- Main float failure
- Excess water that overwhelms your primary pump

Basement Watchdog systems provide more protection because they:

- Deliver 24-hour-a-day monitoring of pump, power and battery conditions
- Alert you when an issue arises or maintenance is needed
- Include a dual float switch for double the protection
- Feature technology that notifies you while you are away from home
- Have a unique sensor to monitor the fluid level of a wet-cell battery
- Incorporate easy-to-understand lights and alarms
- Exercise the backup pump weekly (Big Dog, Special and Big Combo)
- Automatically switch to battery power when AC fails



Fluid Sensor



Dual Float Switch



Visual and Audible Alarms

The Basement Watchdog Connected Pump

Get peace of mind while remotely monitoring and receive notifications on the status of your Basement Watchdog CONNECT® Backup or Big Combo CONNECT® System. Our comprehensive approach gives you choice and flexibility other systems don't.

Receive alerts via:

- Text
- Email
- Basement Watchdog app

Requires a Basement Watchdog CONNECT® system and a Basement Watchdog CONNECT® module (sold separately).



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Connected Pump

Know what's happening when you're away with Basement Watchdog CONNECT®. Basement Watchdog lets you decide how you want to stay informed about your pump's status.



Basement Watchdog CONNECT® and the USB Data Port



Plug your Basement Watchdog CONNECT® Big Combo or Backup System into one of the Basement Watchdog CONNECT® Modules and link to your home Wi-Fi. Receive text, email or in-app notifications.

Basement Watchdog WiFi Module (BW-WiFi)

- Links to a Wi-Fi router and will send email, text or in-app notifications within the Basement Watchdog app
- No monthly fees or subscriptions



Remote Terminal

The remote terminal is a pair of dry contacts that can link to existing security systems or other devices that connect via dry contacts.

For more information regarding remote notification and compatible products, visit
www.basementwatchdog.com/connected

Battery Backup Sump Pump Comparison

Which of the Three Basement Watchdog Battery Backup Systems Fits Your Needs?

Consider pumping capacity, charger strength, monitoring features and price. Consult the comparison chart.



AN ALARM WILL SOUND, INDICATING THESE POTENTIAL PROBLEMS • Battery needs water • Battery is old and needs to be replaced • Battery is discharged or defective • Cable is loose or terminals are corroded • Power, fuse or circuit breaker has failed • Pump has been activated; check the main pump for failure

FEATURES	Big Dog CONNECT®	Special CONNECT®	Emergency
POWERFUL <ul style="list-style-type: none">• Pumping capacity (gallons per hour @ 10-ft. height)• Pumping capacity (gallons per hour @ 0-ft. height)	2200 GPH 3500 GPH	1850 GPH 2600 GPH	1000 GPH 2000 GPH
EFFICIENT <ul style="list-style-type: none">• Charger strength (the higher the amps, the faster it will recharge the battery)• Run time on matching battery• Runs intermittently for days	20 amps 50 hours*	1.6 amps 60 hours*	.4 amps 50 hours*
AUTOMATIC <ul style="list-style-type: none">• Switches automatically to battery power when AC power fails• Pumps automatically when water volume exceeds the capacity of the main AC pump	• •	• •	• •
VERSATILE <ul style="list-style-type: none">• Pumps on AC power as well as battery power• Exercises the pump weekly to ensure proper operation• USB data port and remote terminal to connect to the Basement Watchdog CONNECT® Module, or home security system• Accommodates wet-cell or maintenance-free (AGM) batteries	• • • •	• • • •	• • • •
USER-FRIENDLY, 24-HOUR-A-DAY MONITORING <ul style="list-style-type: none">• Detects irregularities, sounds an alarm, and pinpoints problems and solutions on the control panel• Alarm can be silenced during a power outage	• •	• •	• •

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

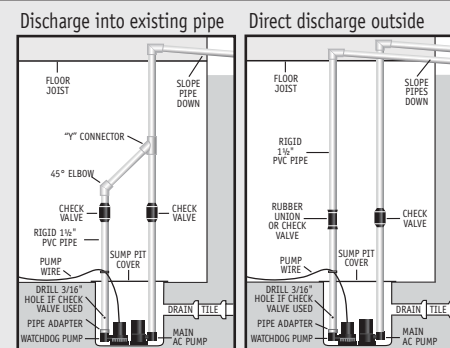
Installation

Basement Watchdog systems are easy to install even in a narrow sump pit. The discharge pipe can be run directly outside, or it can be plumbed into the discharge pipe of the main AC pump.

All systems come with detailed installation instructions complete with pictures and diagrams.

Installation videos are available at
www.basementwatchdog.com/videos

All specifications updated as of 07/2021



DEPENDENT ON THE INSTALLATION METHOD YOU CHOOSE, SOME ADDITIONAL PARTS WILL BE NEEDED:

- 1½-inch PVC pipe and fittings
- PVC cement and primer
- A rubber union with hose clamps or a "Y" connector and two check valves
- A Basement Watchdog battery
- Six quarts of 1.265 specific-gravity battery acid

Combination Systems

Pre-Assembled For Easy Installation

The pre-assembled Basement Watchdog combination system is the easiest sump pump system you will ever install. With a few simple connections, a combination sump pump gives you both primary and battery backup protection in one compact system.



Battery and acid sold separately

- Already assembled for easy installation
- Cast-iron primary pump construction
- Compact—fits in a sump pit as small as 12 inches in diameter
- Patented dual float switch included on primary and backup pump offers added reliability
- Unique, 24-hour-a-day monitoring system ensures your system is operating properly
- USB data port and remote terminal can connect to the Basement Watchdog CONNECT® module, or a home security system Big Combo (CITS-50)
- Accommodates wet-cell and maintenance-free (AGM) batteries
- 2-year limited warranty

System Specifications

Model	Pump	Motor GPH
Big Combo (CITS-50)	Primary	4400 GPH (3540 GPH at 10-ft lift)
	Backup	2600 GPH (1850 GPH at 10-ft lift)
Combo (CITE-33)	Primary	3720 GPH (3100 GPH at 10-ft lift)
	Backup	2000 GPH (1000 GPH at 10-ft lift)

For installation videos, visit us at
www.basementwatchdog.com/videos

Standby Batteries

Why Use a Basement Watchdog Battery?

Basement Watchdog batteries have a unique construction that enables them to:

- Run our sump pumps longer—for more hours per charge. The longer the run time, the greater the protection.
- Last longer in standby operation and perform better than automotive or deep-cycle batteries
- Offer a choice between wet-cell or maintenance-free (AGM) standby batteries

Basement Watchdog Maintenance-Free Standby Batteries:

- Provide years of protection in standby operation
- No need to add battery fluid or distilled water

Basement Watchdog Wet-Cell Standby Batteries:

- Are vacuum sealed, and shipped without battery fluid so that they remain fresh until activation
- Accommodate the battery fluid sensor to measure the fluid level

Which Battery Should You Use?

Battery	Compatibility
Big Standby Battery (30HDC140S)	All Basement Watchdog backup and combo sump pump systems
Emergency Standby Battery (24EP6)	Basement Watchdog Emergency (BWE) and Combination (CITE-33) sump pump systems
Maintenance Free Standby Battery* (BW-27AGM)	Basement Watchdog Big Dog CONNECT® (BWD12-120C), Special CONNECT® (BWSP), Emergency (BWE), Big Combination (CITS-50), and Combination (CITE-33) sump pump systems

In most situations the pump does not run continuously in your home. It empties the sump pit and then turns off until the pit fills up again. These batteries can run the backup pumps intermittently for days.



For Additional Run Time

- Connect 2 batteries in parallel for double the run time
- Applicable to the Big Dog, Special and the Big Combo
- Optional parallel jumper cable (PJC) available

* Older versions, before 2014 of the Basement Watchdog Special, Basement Watchdog Big Dog and Basement Watchdog Big Combo systems, may not be compatible with maintenance-free batteries. Using a maintenance-free battery with an older system may cause false alarms.