

Backup Pump Training Flyer

One of the products that we sell a lot during this time of year is a sump pump. A sump pump is used to pump water out of a sump pit outside and away from a house. One type of sump pump we offer is called a backup sump pump. This flyer will serve to briefly cover what a backup sump pump is and the benefits of having one.

****Note:** This is a follow up flyer to the first Pump Flyer. If you have not read the [Sump Pump training flyer](#) yet you are encouraged to do so first.



What is a Backup Sump Pump?

A backup sump pump is a secondary sump pump kept in the basin. If the backup pump detects the primary pump is not working or not able to pump an adequate amount of water it turns on and pumps water as well.

Why would someone want a secondary pump?

- **Power Outages:** Primary pumps typically run off of the electrical current in the house. If that current stops, the pump stops. What happens when a storm that dumped 2 inches of rain around a home knocks out the power? The backup pump kicks on and prevents flood damage.
- **When the Primary Pump Fails:** Primary pumps have the potential for mechanical issues or failure. The motor or the flow switch could stop working and water would stop being pumped out. In this case, the backup pump would kick on and pump water out of the home.
- **When the Primary Pump Can't Keep Up?** In heavy rains water may enter a home faster than the primary pump can expel it. In these cases the backup pump would kick on and help the primary pump keep up.

When the secondary pump is activated it sounds an alarm that alerts the home owner there is an issue with their primary pump.

The Battery:

The backup pumps we stock can run off of the electrical current running through a home. In the event the pump detects that power stops, it switches over to a battery for power. If the pump does switch to battery power and then back to the home's electricity, it will recharge the battery. Some backup systems only operate off of a battery. There are two types of batteries that can be used: **Lead Acid Batteries** and **AGM Batteries**. Some backups require a specific type of battery so it is important to know the difference.

- **Lead Acid Batteries** are very similar to what you would find under the hood of old cars. They require some maintenance by adding water occasionally. If this battery is used acid will need to be sold with it initially (B2200) (Acid: 187451)
- **AGM Batteries** are the latest technology and do not require adding water. In addition, the new generation of AGM Batteries have a longer run time for their size and they should last five to seven years before replacement. (B1290)

The backup pumps we stock will also monitor the strength of the battery or if it is connected properly and alert the home owner of any issues by sounding an alarm.

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Connectivity:

The Glentronics backup pumps we stock and some Zoeller backup pumps can be connected to the Prestige thermostat which can monitor the pump and alert the home owner of any issues via text message. You can learn more about the Prestige by reading the [Prestige IAQ 2.0 Training flyer](#).

What do we stock?

We stock Glentronics Battery Backups as well as Zoeller Battery Backups.

The Zoeller numbers are Z507-0005 and ZAQUANOT2 and the Glentronics are listed below. The picture below was taken from a product cheat sheet Rick W made.

*Zoeller also offers the Home Guard which is a backup pump that uses the pressure of city water to pump water out of the pit. This allows the pump to work with no electricity or battery.

Back UP Systems				
	PHCC 1730 *187447 Note must use the lead acid battery only on this unit		PHCC 2400 *142142 Can use Lead Acid or AGM Battery	
Back UP Combo System				
	PSC 33 *187448 Includes Primary Pump Back-Up System Controls All in one		B2200 *187449 Acid Type	 6 Quart Acid *187451
	B1290 *187450 AGM Maintenance Free 90 Amp		*188511 PJC Jumper Cable Lee Supply Corp	 PWA *187452 High Water Alarm
				rmw 10-12

Next Steps and a Couple Questions:

The first next step is to learn more. The link below is a going over the Glentronics backup pump.
https://www.youtube.com/watch?v=VT6Wtlqe_uA

TRUE or FALSE: All backup pumps require electricity

TRUE or FALSE: Lead Acid Batteries are maintenance free

TRUE or FALSE: You can monitor a backup pump through the use of a Prestige Thermostat