

Product information presented here reflects conditions at time of publication. Consult factory regarding discrepancies or inconsistencies.

**PUMP COMPANY**

Zoeller Family of Water Solutions™

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# THE BASEMENT SENTRY® SERIES

## 12 VOLT BACKUP SUMP PUMP SYSTEMS

### MODEL 507 & MODEL 510

### “TAKES OVER WHERE OTHER SYSTEMS QUIT”

#### Application:

For clear water, emergency backup usage when power is off or the primary pump(s) fail.

#### EXTRA PROTECTION

When the primary AC pump fails due to power outages.

- Storms
- Brownouts
- Wiring or electrical problems

No other system offers the reliability and protection provided by the Basement Sentry® Series.

When the primary pump fails due to damage, mechanical malfunction or obstructions in the pit.

When the primary pump fails to keep up with excessive water due to rain or overloading.

#### HIGH CAPACITY PROTECTION & RECOVERY

The Model 510 provides high capacity capabilities for dewatering in critical installations. (See performance data)

- High-capacity residential locations
- Commercial locations
- Basement storage facilities
- Communication vaults
- Computer vaults

#### Features:

Zoeller's time tested design experience gives you the needed performance and reliability.

**PUMPS:** 12 volt highly efficient with noncorrosive pump construction. Supplied with 6' leads.

**CONTROL BOXES:** All models have battery burn out and overcharge protection. Models 507 and 510 have a self contained 10 amp battery recharger. All systems are fully solid state automatic controllers with alarms, light indicators, and have warning systems.

#### LIGHT INDICATORS:

(Long Lasting LED)

- Power supply "on"
- Battery partially charged
- Pump alarm "off"
- Run light
- Battery fully charged

#### ALARMS:

- Continuous steady beep - "low battery"
- Slow interrupted beep - "partially discharged battery" (Model 510 only)
- Pump Run / High Water Alarm

**CONTROL DEVICE:** Reliable low voltage float switch.

**BATTERY CASE:** The included battery case will accommodate maximum battery dimensions of 13"(L) x 7½"(W) x 9½"(H) and fits all group size 27 marine batteries. Made from noncorrosive polyethylene. Contains lock strap. Model 510 can be used with multiple batteries. Order extra battery case with hookup wire (P/N 007861).

**FITTINGS:** Furnished with ALL required fittings. Model 507 has an internal check valve in the discharge and includes an additional check valve with integral weep hole adaptable to 1½" pipe. Model 510 includes two heavy duty check valves to install with pedestal/column or submersible pumps.





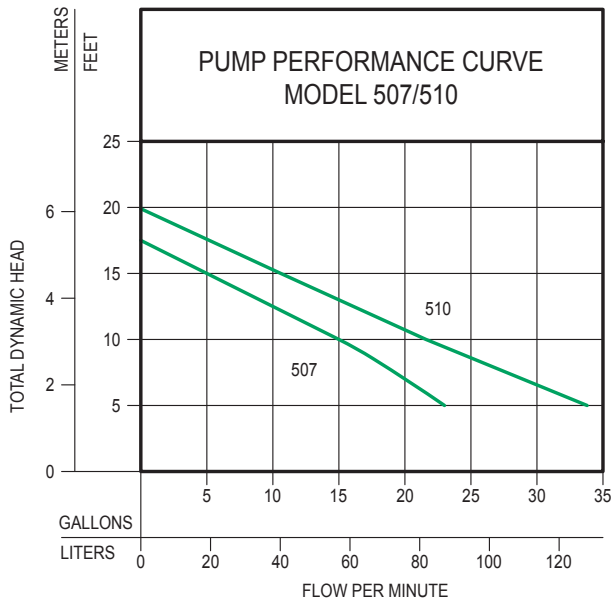
Products may not be exactly as illustrated.

**Warranty** - 12 months from date of installation or 18 months from date of manufacture. However the 12 month warranty is extended to 36 months with the purchase of an Aquanot® Battery by Zoeller. **Note:** Three year limited warranty valid only when a complete system is purchased and used as a backup to a primary dewatering system. A complete system includes a Model 507 or 510 Basement Sentry® and an Aquanot® Battery. To validate warranty, the warranty card (FM1679) included with a Basement Sentry® Pump must be filled out and returned to the factory.

**Battery Life** - The estimated life of a fully charged (175 minute reserve capacity) battery when the pump is operating continuously is approximately 7½ hours. Example - The Model 510 at 10 ft. head will pump 1,296 G.P.H. Most backup systems require intermittent pump operation. All models will provide protection for extended periods of time dependent upon stop-start requirements. NOTE: The 510 offers extended backup protection if the regular primary sump pump fails.

**Performance Data** - Pump performance is based on the use of a fully charged 12 volt, (200 minute reserve capacity) for Models 507 and 510, deep-cycle battery with no deficiency and less than two years old.

- Aquanot® Battery** -
- Size 31 "Wet" P/N 10-0761 (69 lbs.) (Shipped via truckline only)  
200 - minute reserve capacity
  - Size 27 "AGM" P/N 10-1450 (66 lbs.)  
175-minute reserve capacity



TOTAL DYNAMIC HEAD/FLOW  
PER MINUTE  
EFFLUENT AND DEWATERING

MODEL		507		510	
Feet	Meters	Gal.	Liters	Gal.	Liters
5	1.5	23	87	34	129
10	3.0	15	57	22	83
15	4.6	5	19	11	42
Shut-off Head:		17.5 ft.(5.3m)		19.9 ft.(6.1m)	

**Note:** Above performance chart based upon actual performance achieved with a 12 Volt deep-cycle battery. Some manufacturers publish performance data based upon D.C. Pump testing according to Marine Industry standards which can reflect a performance of 40% - 80% higher than actual battery powered performance.

Min. pit size requirements: 18" diameter X 24" deep. For 18" x 22" applications, consult factory.

Min. battery requirements: Deep cycle, size 27, 175-minute reserve capacity.

Shipping weight: Model 507/18 lbs., Model 510/19 lbs.

**NOTE:** Not recommended for installation with over 15 ft. Total Dynamic Head for Model 507, or 17 ft. for Model 510.

**CAUTIONS:** See FM1311 (Model 507), or FM1139 (Model 510) Installation Instructions.



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