

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



**PUMP COMPANY**

*Zoeller Family of Water Solutions™*

**MAIL TO:** P.O. BOX 16347 • Louisville, KY 40256-0347  
**SHIP TO:** 3649 Cane Run Road • Louisville, KY 40211-1961  
(502) 778-2731 • 1 (800) 928-PUMP • FAX (502) 774-3624

**visit our web site:**  
**www.zoeller.com**

## THE BASEMENT SENTRY® SERIES

### 12 VOLT BACKUP SUMP PUMP SYSTEMS

### MODEL 507

**“Takes over where other systems quit”**

#### APPLICATION:

For clear water, emergency backup usage during interruption of AC power or because of primary pump(s) failure of insufficient capacity.

#### FEATURES:

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

**PUMP:** 12 volt highly efficient with noncorrodible pump construction. Supplied with 6' leads.

**CONTROL BOX:** Includes battery burn-out and overcharge protection. The self contained 10 amp battery recharger system is a solid state automatic controller with alarms, light indicators and warning systems.

**LCD SCREEN:** Always displays battery voltage along with other helpful information about the system.

##### LED LIGHT INDICATORS:

- **AC Power** - blinks red when power is out
- **Charged** - green indicates battery is fully charged
- **Charging** - yellow indicates power is going to battery
- **Low Battery** - red light blinks when below 10.8 volts and rapidly blinks when below 8.4 volts
- **High Water** - yellow light will blink when the float is activated, and becomes solid after 3 seconds
- **Alarm Off** - yellow light indicates the buzzer is currently silenced

##### ALARMS:

- High Water
- Reverse Polarity
- Low Battery

##### BUTTONS:



- Scroll - display information on the system such as DC pump cycles and power outages
- Alarm Reset - press to reset alarms. **Press and hold for three seconds for 24-hour buzzer silence**

**AUXILIARY ALARM CONTACT:** A set of dry contacts allows system to connect to home security systems, auto dialers, etc.

**CONTROL DEVICE:** Reliable, low voltage vertical float switch

**BATTERY CASE:** The included battery case will accommodate maximum battery dimensions of 13" L x 7-1/2" W x 9-1/2" H and fits all group size 27, 29 and 31 batteries. Made from noncorrodible polyethylene. To use multiple batteries, order extra battery case with hookup wire (P/N 007861).

**FITTINGS:** Includes an internal check valve in the discharge tee and includes an additional check valve with integral weep hole adaptable to 1-1/2" pipe.

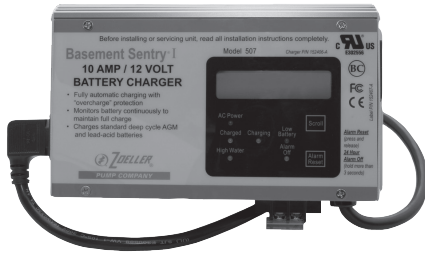
**TECHNOLOGY:** This charger uses the latest switch mode technology available. This allows for an extremely efficient charger in a compact design. It satisfies the rigid California Battery Council standards.  This charger is also  approved.

**PRIMARY  
SUMP PUMP  
NOT INCLUDED  
WITH MODEL 507**



Product may not be exactly as shown. For preassembled systems, order a Pro Pak.

## Model 507 Basement Sentry®



## Aquanot® Deep-cycle Battery (purchase separately)



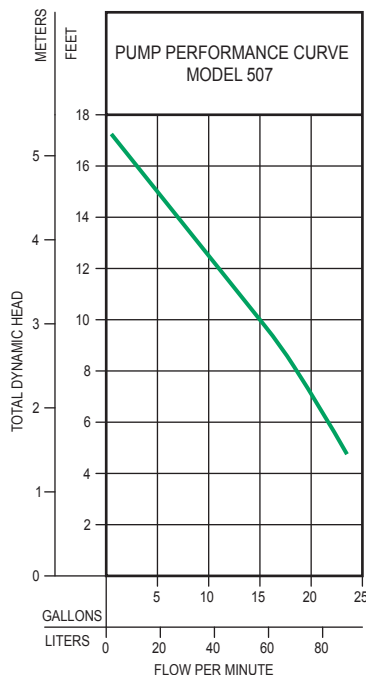
P/N 10-1450 - AGM (shown)  
P/N 10-0761 - Wet

**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 is 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 and an Aquanot® Battery.

**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 pump's capacity at 10 ft. head is 900 GPH. Most backup systems require intermittent pump operation. The system will provide protection for extended periods of time dependent upon stop-start requirements.

**PERFORMANCE DATA** - Pump performance is based on the use of a fully charged 12 volt, (200-minute reserve capacity) 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



Minimum battery requirements:  
deep-cycle, size 27, 175 minute  
reserve capacity.

TOTAL DYNAMIC HEAD/FLOW  
PER MINUTE  
EFFLUENT AND DEWATERING

MODEL		507	
Feet	Meters	Gal.	Liters
5	1.5	23	87
10	3.0	15	57
15	4.6	5	19
Shut-off Head:		17.5 ft.(5.3m)	

009932

**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.

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

Shipping weight: 13.4 lbs.

**NOTE:** Not recommended for installation with over 15 ft. Total Dynamic Head.

**CAUTIONS:** See FM1311 (Model 507) Installation Instructions.



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