

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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## Model 508 12 Volt Backup Sump Pump System “The submersible sump pump worthy of the Aquanot® Name”

### APPLICATION:

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

### FEATURES:

Designed using Zoeller's time-tested components giving you the needed performance and reliability.

### PUMP:

- 12 volt highly efficient noncorrosive pump construction. Supplied with 6' leads.
- **NOT** a Bilge pump. Designed, Engineered and Assembled by Zoeller as a sump pump
- Integrated check valve
- Legs allow free standing installation
- Quick disconnect discharge
- Aluminum seal pocket & cooling plate
- Hand built & 100% tested in USA
- Efficient design means more water pumped during emergencies.

**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 alarm, auto dialers, etc.

**SWITCH:** 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).

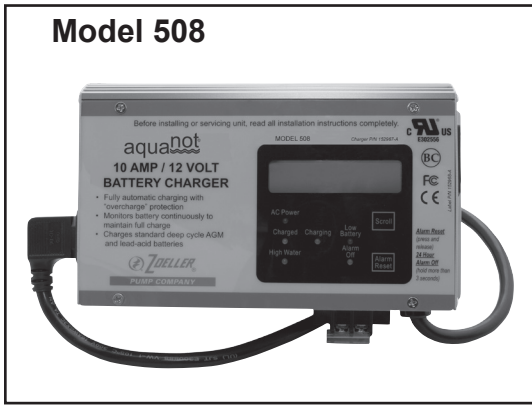


**PRIMARY SUMP PUMP  
NOT INCLUDED WITH MODEL 508**

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

**FITTINGS:** An integrated DC pump discharge check valve, additional AC pump check valve, tee, and adapter are included.

**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. (UL) Charger is also approved.



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

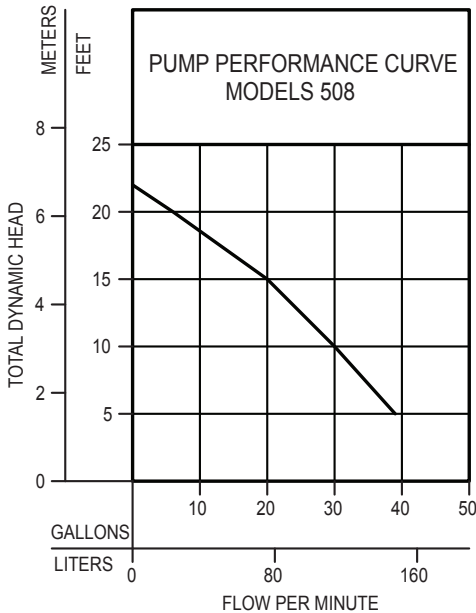
**WARRANTY** - 12-months from date of installation or 18-months from date of manufacture. However the 12-month warranty is extended to 36-months with the purchase of an Aquanot® Battery by Zoeller. NOTE: Three-year limited warranty is valid only when a complete system is purchased and used as a backup to a primary dewatering system. A complete system includes a Model 508 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 5½ hours. Example: the pump's capacity at 10 ft. head is 1800 GPH (30 GPM). 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		508	
Feet	Meters	Gal.	Liters
5	1.5	39	148
10	3.0	30	114
15	4.6	20	76
20	6.1	6	23
Shut-off Head:		22ft. (6.7m)	

152944

**NOTE:** 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: 17 lbs.

**NOTE:** Not recommended for installation with over 20 ft. Total Dynamic Head.

**CAUTIONS:** See FM2769 (Model 508) Installation Instructions.



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