

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



PUMP COMPANY

Zoeller Family of Water Solutions™

TECHNICAL DATA SHEET

Patent No. D740329



AquaNot® 508

Model 508 12-Volt Backup Submersible Sump Pump System

PUMP

- 12 volt, highly efficient, non-corrosive pump construction. Supplied with 6' (1.8 m) leads.
- Legs allow free-standing installation
- Quick disconnect discharge
- Aluminum seal pocket and cooling plate

CONTROLLER

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" (33 cm) L x 7-1/2" (19.1 cm) W x 9-1/2" (24.1 cm) H and fits all group size 27, 29 and 31 batteries. Made from non-corrodible polyethylene. To use multiple batteries, order extra battery case with hookup wire (P/N 007861).

FITTINGS

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



Primary pump not included. Product may not be exactly as shown. For preassembled systems, order a ProPak.

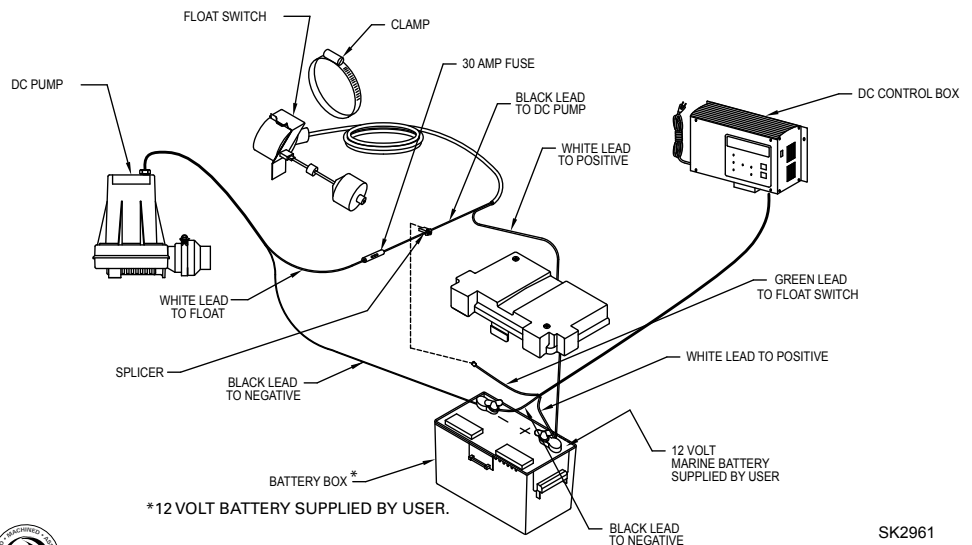


FIG. 3

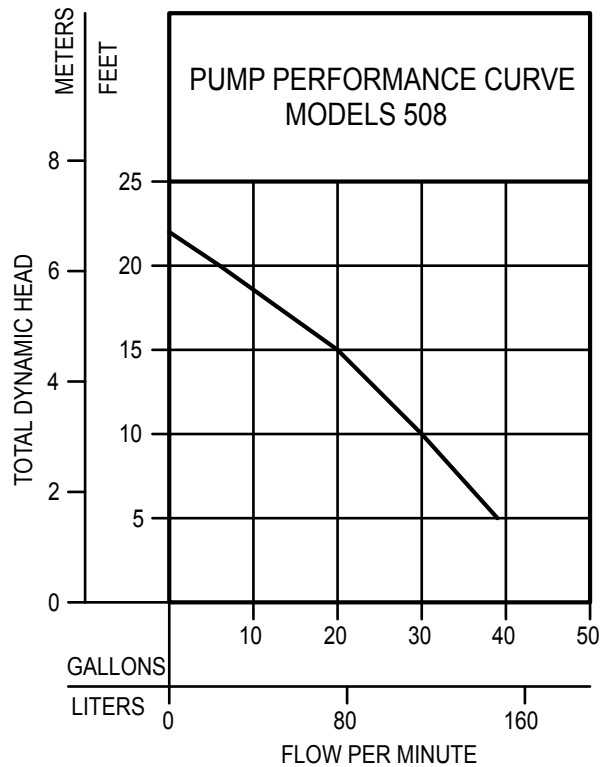
SK2961



**TOTAL DYNAMIC HEAD
FLOW PER MINUTE**

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)	

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Shipping weight: 17 lbs. (7.7 kg)

NOTE: Not recommended for installation with over 20' (6 m) Total Dynamic Head.

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.

See FM2769 (Model 508) Installation Instructions.

Minimum pit size: 18" (46 cm) diameter X 22" (56 cm) deep. Minimum battery requirements: deep-cycle, size 27, 175 minute reserve capacity.



Model 508 Controller



Aquanot® Deep-cycle Battery (purchase separately)
P/N 10-1450 - AGM (shown)
P/N 10-0761 - Wet

WARRANTY - 3 years from date of purchase.

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' (3 m) head is 1,800 GPH/30 GPM (6,814 LPH/114 LPM). 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. [31 kg]) (shipped via truckline only)
200 minute reserve capacity
- Size 27 "AGM" P/N 10-1450 (66 lbs. [30 kg])
175-minute reserve capacity



All installation of controls, protection devices and wiring should be done by a qualified licensed electrician. All electrical and safety codes should be followed including the most recent National Electrical Code (NEC) and the Occupational Safety and Health Act (OSHA).

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