

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



Patent No. D740329

## TECHNICAL DATA SHEET



**AquaNot® 508  
Active**

Model 508 12-Volt Backup  
Submersible Sump Pump System

### CONTROLLER

The AquaNot® Active 508 with Z Control® technology is a premium high performance, self-testing internet-connected battery backup pump system.

### PUMP

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

### Z CONTROL® GATEWAY

Connects to the AquaNot® Active 508 Controller and to the internet router, via ethernet cable or WiFi. LEDs for connection status, power and auxiliary input. The Z Control® platform provides real time peace of mind to the user with email, text and push notifications of alarms, remote access and control, and online configurability.

### CONTROLLER

The AquaNot® Active DC Controller is a high output power supply capable of running the DC pump without using the battery in the event the battery is depleted. The controller has many built-in features such as:

- Boost mode. Runs pump faster when high water float is activated.
- Self-testing diagnostics
- Sends status to Z Control® Cloud; receives commands from user through Cloud such as "Silence", "Reset", "Test", and many configuration changes.

### ALERTS

- Pump cycled
- High water
- Battery fault
- Switch fault
- Pump fault
- Connection fault
- Auxiliary input
- Power outage/Restored
- Pump Activation
- Pump continuous
- Battery Aged

### BUTTONS

- Alarm Silence/Reset - press to silence alarms. Press and hold for three seconds to reset alarms.
- Test - Press to initiate pump test

### AUXILIARY ALARM CONTACT

A set of dry contacts allows system to connect to home security alarm, auto dialers, etc.

### SWITCHES

Reliable, low voltage vertical float switch for adjustable operation. Vertical reed sensor for high water signal and redundant run.

### BATTERY CASE

The included battery case will accommodate maximum battery dimensions of 13" (330 mm) L x 7-1/2" (191 mm) W x 9-1/2" (241 mm) 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.

LED INDICATORS				
	Solid Green	Flashing Yellow	Flashing Red	Fast-flashing Red
System Ready	Ready	--	--	--
AC power	--	--	No AC power	--
Battery	--	Charging	Disconnected or fault	--
DC pump	--	Pump running	Pump fault	--
Low water (optional)	--	Pit low on water	Float fault	Pump running continuously
Operational switch	--	System cycling/cycled	Float fault	--
High water switch		--	Float fault	High water condition



AquaNot® Active 508 system



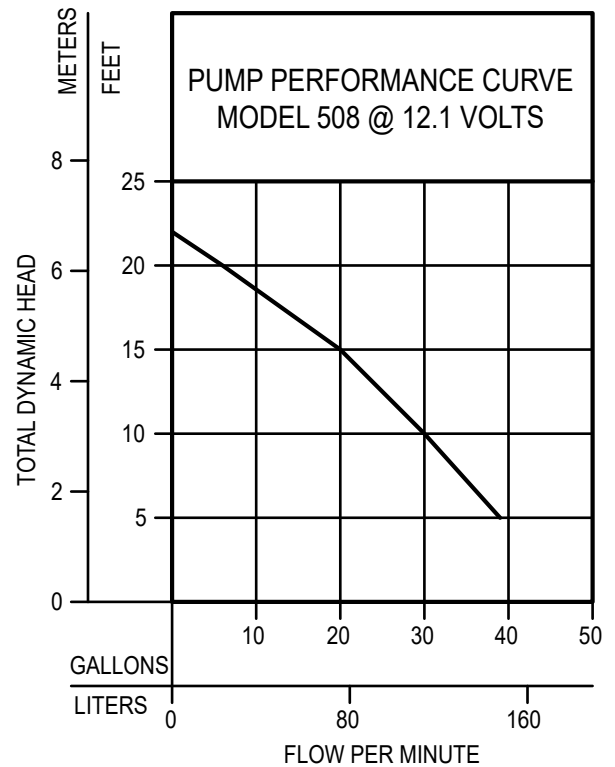
AquaNot® Deep-cycle Battery (purchase separately)  
P/N 10-1450 - AGM (shown)  
P/N 10-0761 - Wet



## 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 FM2894 (Aquanot® Active 508) Installation Instructions.

Minimum pit size recommendation: 18" (46 cm) diameter X 24" (61 cm) deep. For 18" x 22" (46 x 56 cm) applications, consult factory. Minimum battery requirements: deep-cycle, size 27, 175 minute reserve capacity.

## WARRANTY

5 years from date of installation. Battery warranty is 3 years.

## BATTERY LIFE

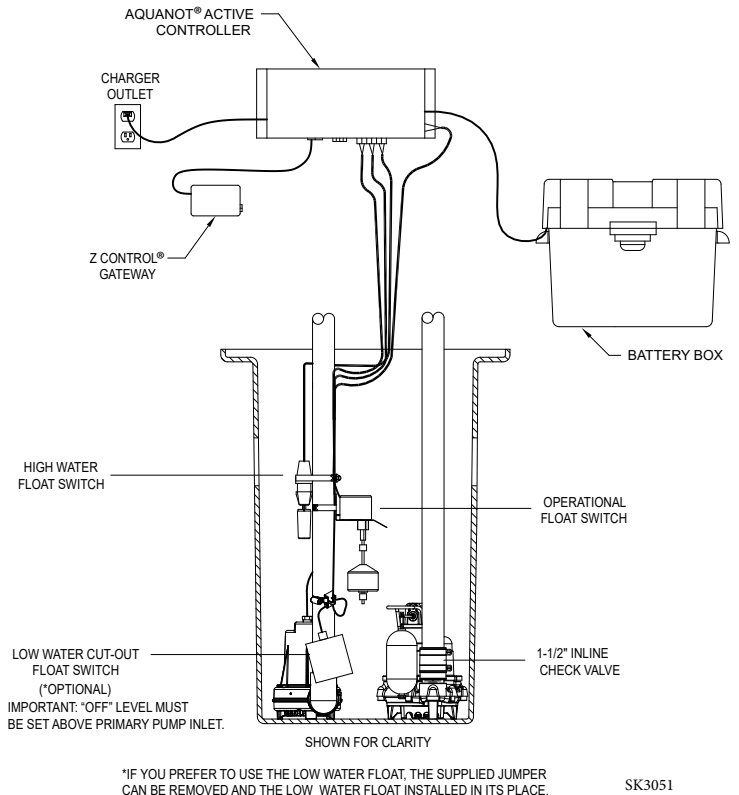
The estimated life of a fully charged (175 minute reserve capacity) battery when the pump is operating continuously is approximately 5½ hours. Example: the pump's capacity at 10' (3 m) head is 1,800 GPH/30 GPM (6,814 LPH/114 LPM). Most backup system pump operation is intermittent. The system will provide 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



## CAUTION

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).