Trusted. Tested. Tough.®

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

ZOELLER® PUMP COMPANY

SECTION: 2.65.015
FM2926
0320
Supersedes
0116

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; recieves 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

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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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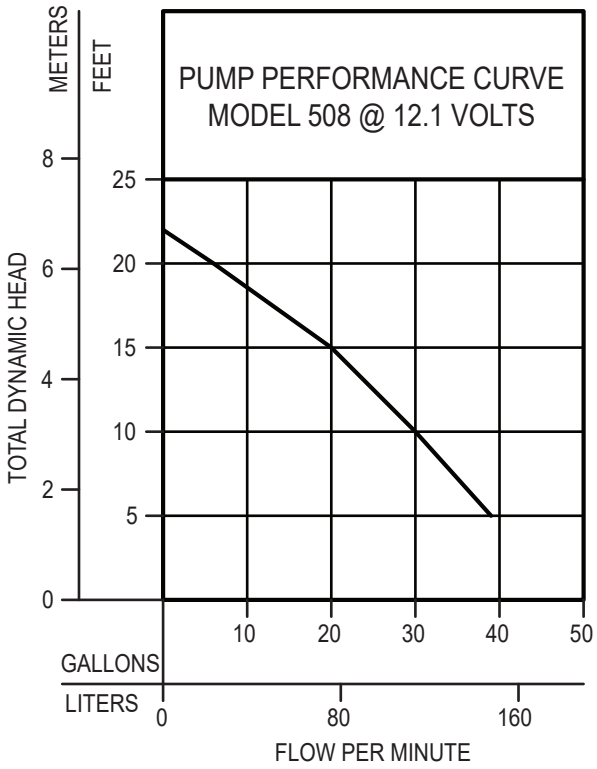


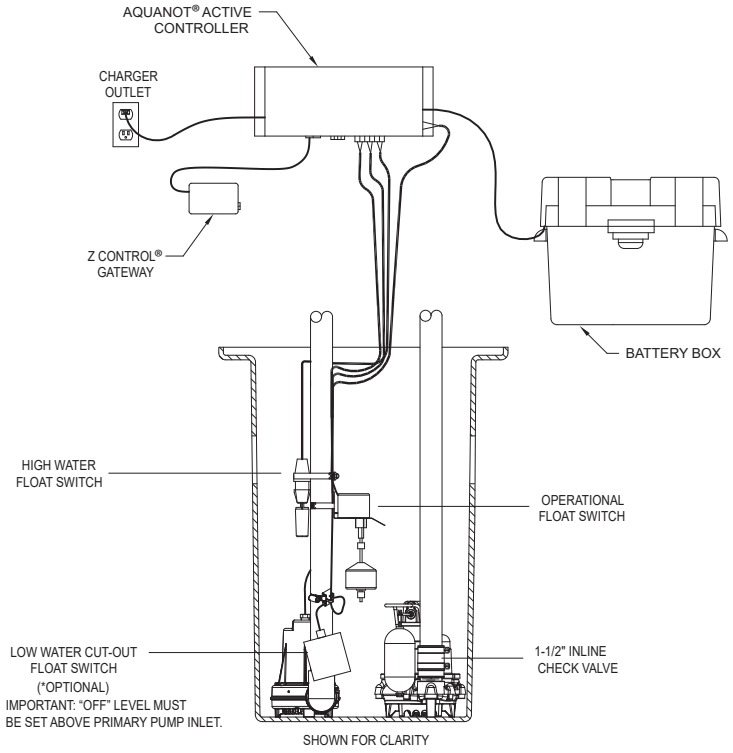
Shipping weight: 17 lbs. (7.7 kg)

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.



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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).

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