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SECTION: 2.65.013
FM3124
0619
Supersedes
0918

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

ZOELLER®
PUMP COMPANY

Patent No. D740329

TECHNICAL DATA SHEET
MODEL 508 12-VOLT BACKUP
Submersible Sump Pump System

AquaNot® Fit 508

CONTROLLER

The Aquanot® Fit 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 9' (2.7 m) leads.
- Legs allow free-standing installation
- Quick disconnect discharge
- Aluminum seal pocket and cooling plate
- Integrated check valve

CONTROLLER

The Aquanot® Fit DC Controller keeps the battery charged. The controller has many built-in features such as:

- Monitors the switches, runs the pump
- Performs Self-testing diagnostics
- Communicates with the Z Control® Cloud; receives commands from user through Cloud such as "Silence", "Reset", "Test", and many configuration changes
- 7 amp

ALERTS

- Pump cycled
- High water
- Battery fault
- Switch fault
- Pump fault
- Connection fault
- Power outage/restored
- Pump activation

BUTTONS

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

SWITCHES

- Reliable, vertical float switch for adjustable operation.
- High water reed sensor provides high water signal and redundant pump 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 thread-in AC pump check valve, tee, and adapter are included.

AQUANOT® FIT			
	Solid	Flashing	Off
System Ready	No Faults (Green)	AC off with no faults (Green)	--
Battery	Charged (Green)	Low Battery (Red)	No AC Power
	Charging (Yellow)		
	Bad Battery (Red)		
DC pump	Pump Ran (Yellow)	Pump Running (Yellow)	--
		Pump Fault (Red)	
Float Status	High Water (Red)	Float Fault (Red)	--
Z Control	Connected	Searching	Broadcasting SSID or Dormant

Aquanot® Fit 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 @ 12.1 VOLTS

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

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 FM3120 (Aquanot® Fit 508) Installation Instructions.

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

PUMP PERFORMANCE CURVE
MODEL 508 @ 12.1 VOLTS

WARRANTY

3 years from date of purchase. 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 5.5 hours. However, most backup system pump operation is intermittent. The system will provide protection for extended periods of time dependent upon stop-start requirements and multiple battery arrangements.
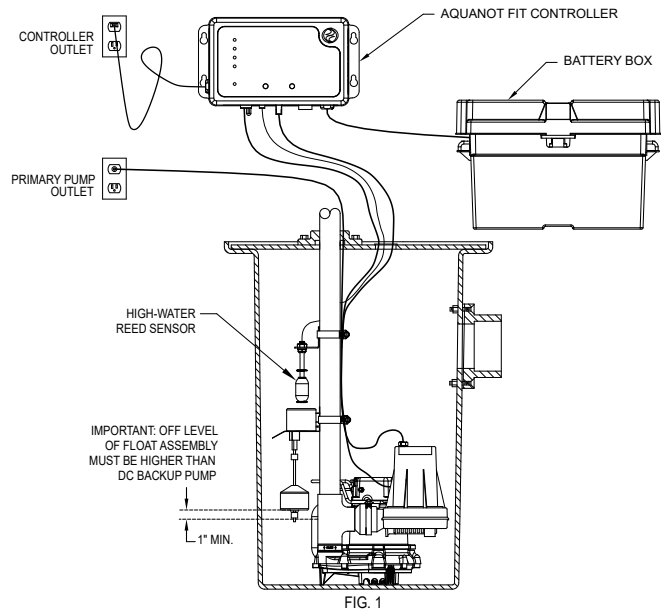
PERFORMANCE DATA

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
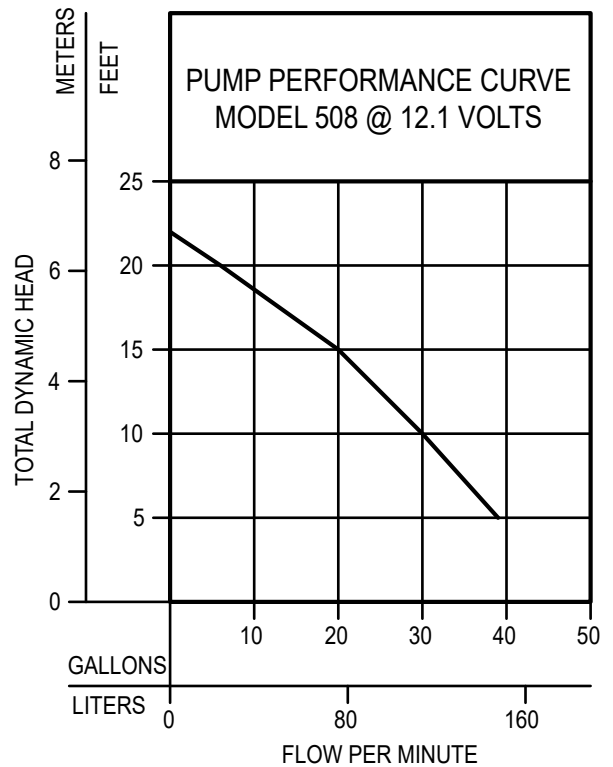
DC PUMP INSTALLED IN LINE WITH SUBMERSIBLE PUMP

FIG. 1

SK3182