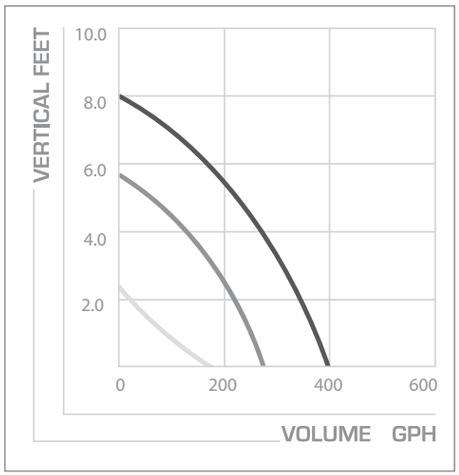


PUMP PERFORMANCE CHART

- AM160
- AM250
- AM400

The chart above shows the flow rates of each AgroMax pump. To ensure proper pump function, do not exceed the vertical feet limit listed on the chart.

AgroMax® PUMP MODEL INFORMATION				
MODEL NUMBER	RATED GPH	SUGGESTED RESERVOIR SIZE	WATTS	FITTING SIZES
AM160 PUMP	160	15	8	5/16" - 1/2"
AM250 PUMP	250	25	16	5/8" - 1/2" - 3/4"
AM400 PUMP	400	40	25	5/8" - 1/2" - 3/4"

LIMITED WARRANTY

This AgroMax pump is guaranteed to work for one year from the date of retail purchase. Replaceable filter material is not included in the warranty. Any improper use, improper handling or negligence will void warranty. Any alterations to the pump or cord will void warranty.

AgroMax®

SUBMERSIBLE WATER PUMPS

SUBMERSIBLE WATER PUMP

OWNER'S MANUAL

- AM160 PUMP
- AM250 PUMP
- AM400 PUMP

AgroMax

- Great for hydro setups
- UL Listed for safety

SUBMERSIBLE WATER PUMPS

INTRODUCTION

AgroMax® pumps are carefully inspected and tested to ensure both safety and operating performance. PLEASE NOTE: Failure to follow the instructions and warnings in this manual may result in pump damage and/or serious injury. Be sure to read and save this manual for future reference.

WARNING

- This pump is equipped with a grounding connector and grounding type electrical plug. To reduce risk of electric shock, connect to a properly grounded outlet.
- Do not remove cord and strain relief.
- This pump has been evaluated for use with water only.
- Ensure the unit is properly grounded. Do not remove the grounding pin.
- Only connect the pump to a 120v outlet.
- Always disconnect from electrical outlet before handling the pump.
- The NFPA NEC (National Electrical Code) Article 680 (Fountains) states that submersible pumps require a Ground Fault Circuit Interrupter (GFCI or GFI) listed for personnel protection is installed. Provide proper GFCI protection on installation.
- Do not use these pumps in water over 100° F (38° c).
- Operate pump completely submerged for proper cooling.
- Do not let the pump run dry.
- Do not lift the pump by the power cord.

PERFORMANCE

- A clogged or dirty intake screen will greatly reduce the performance of the pump.
- If the pump is used on a dirty surface, raise it slightly to reduce the amount of debris contacting the intake.
- If less flow is desired, adjust the flow control lever on the side of the pump or restrict the discharge flow.
- Do not let the pump run when not submerged in water. Doing so may damage the pump. Always submerge the pump first, and then plug into the electrical outlet.
- At first, the pump may not pump water; this is caused by existing air in the pump and tube. To start the flow, you may need to plug and unplug several times and the pump will start pumping water.

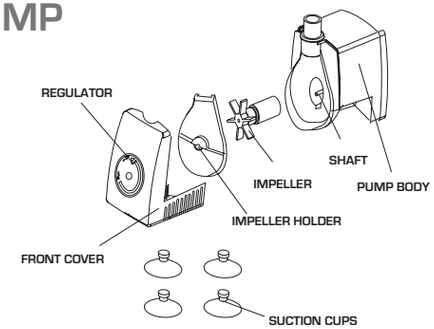
MAINTENANCE

- To clean the pump, remove front cover and the impeller. Use a small brush and a stream of water to remove debris. Do not remove the pump shaft.

IF THE PUMP FAILS TO OPERATE

- Check the circuit breaker or try another outlet to ensure pump is getting electrical power. NOTE: Always disconnect from electrical outlet before handling the pump.
- Check the pump discharge and tubing for kinks and obstructions. Any algae or debris buildup should be flushed out.
- Check the inlet screen to ensure it is not clogged with debris.
- Remove the pump inlet to access the impeller area. Turn the rotor to ensure it is not broken or jammed.
- Monthly maintenance will add to the pump's life. NOTE: Ensure that the electrical cord loops below the electrical outlet to form a "drip loop", this will prevent water from running down the electrical cord and into the electrical outlet.

◦AM160 PUMP



◦ AM250 PUMP
◦ AM400 PUMP