

EPA1900 • EPA2500 • EPA3100  
EPA4500 • EPA5500 • EPA6500 • EPA9500



## High Volume Mag Drive Pumps Instructions for Operation • Safety • Warranty

Thank you for purchasing the EasyPro Mag Drive pump. This pump is a magnetically driven water pump. It contains no oil, shaft seals or bearings. This pump combines simplicity of design with the most energy efficient operation of any pump. All electrical components are encapsulated in epoxy. The impeller assembly consists of impeller blades attached to a magnet and is easily replaced should the need arise. There are threaded inlet and outlet ports on all models.



### **Safety and Electrical Connections**

1. ***Always disconnect the electrical supply before handling, maintaining, repairing or installing any pond equipment.***
2. Connect this product only to a 115 volt receptacle that is protected by a Ground Fault Circuit Interrupter (GFCI).
3. The pump must be fully submersed underwater at all times when operating.
4. Never let the pump run dry, as this can damage the impeller, over heat the pump and possibly burn out the pump.
5. Do not use this product in bathrooms or swimming pools.
6. For fresh water applications only. Not for use in chlorinated systems.
7. It is highly recommended to place the pump in an EasyPro skimmer.
8. All electrical work must be performed by a qualified technician. Always follow the National Electrical Code (NEC) or the Canadian Electrical Code as well as all local, state and provincial codes. Code questions should be directed to your local electrical inspector. Failure to follow electrical codes and OSHA safety standards may result in personal injury or equipment damage. Failure to follow manufacturer's installation instructions may result in electrical shock, fire hazard, personal injury or death, damaged equipment, provide unsatisfactory performance and may void manufacturer's warranty.
9. When installing a check valve assembly, thread in the assembly finger tight. **Do not over tighten as this could crack the housing and is not covered under warranty.**

## Troubleshooting

If the pump fails to operate, please check the following before contacting EasyPro:

**Note: always disconnect from electrical outlet before handling the pump.**

1. Check the GFCI circuit breaker or try another GFCI electrical outlet to ensure the pump is getting power.
2. Check the tubing for kinks and obstructions. Check intake screen cover for blockage. Follow cleaning steps in the maintenance section if blockage is suspected.
3. Verify that neither the vertical pumping distance is not too high, nor that the pipe size is too small.
4. If necessary, remove and clean the impeller assembly.

## Service and Maintenance

1. Disconnect from the power supply before service.
2. Clean the intake screen if clogged. Flow will be visibly reduced.
3. If the impeller needs to be serviced, remove the intake screen.  
For **EPA1900, EPA2500 and EPA3100**, carefully pull screen from pump housing by hand. No tools required.  
For **EPA4500, EPA5500, EPA6500, EPA9500**, remove the four #2 Phillips screws from each foot and remove the screen.
4. Then remove the impeller housing or volute by removing the four Phillips screws that secure it.
5. Clear the impeller of any debris and verify it spins freely.
6. If the impeller does not spin freely it may need to be replaced or the magnet may need to be cleaned. Remove the impeller assembly. Check for breakage or build-up of deposit on the magnet or impeller housing.
7. Clean the magnet and housing of deposits with non-abrasive cleaners. Then replace the impeller, volute and screen to return pump to service.

## Operation of Pumps and Attachments

All pumps in the EasyPro EPA Series include various fittings to connect to multiple tubing types. The pump can be hooked up to flexible PVC using the threaded outlets or coupler with PVC adapters. (purchase locally) The barbed fittings included can be used for connecting to EasyPro kink free tubing. Maximum performance is achieved when used with largest outlets and tubing sizes available. Restricting water flow with small accessories will reduce the performance of the pump. Use a hacksaw to remove any smaller steps than the tubing being used. Secure tubing to barbed fitting with clamps. (purchase locally)



## Replacement Impellers

<u>Pump #</u>	<u>Impeller Part #</u>	<u>Pump #</u>	<u>Impeller Part #</u>
EPA1900	EPA1900I	EPA5500	EPA5500I
EPA2500	EPA2500I	EPA6500	EPA6500I
EPA3100	EPA3100I	EPA9500	EPA9500I
EPA4500	EPA4500I		

# HIGH VOLUME MAG DRIVE PUMP PERFORMANCE DATA

Model	Watts	Gallons per minute (gpm) flow at feet of head										Max. Lift	Threaded Inlet/Outlet	FEATURE SIZE	
		0'	4'	8'	12'	16'	20'	24'	28'	32'	36'				
EPA1900	175	32	25	15	3	-	-	-	-	-	-	-	13'	1"	L
EPA2500	200	42	34	25	16	5	-	-	-	-	-	-	18'	1 1/2"	L
EPA3100	210	52	44	34	24	13	-	-	-	-	-	-	20'	1 1/2"	L
EPA4500	400	77	71	65	57	48	37	17	-	-	-	-	26'	2"	XL
EPA5500	420	89	81	72	63	53	41	23	-	-	-	-	26'	2"	XL
EPA6500	490	113	102	90	78	63	44	18	-	-	-	-	26'	2"	XL
EPA9500	710	158	133	112	93	75	58	39	17	-	-	-	30'	2"	XL

**Pro Tip** Maximum performance is achieved when used with largest tubing and fittings sizes available. Restricting water flow with small diameter tubing or small accessories will reduce the performance specifications indicated here. Performance data provided for reference only and may vary slightly.

Pump Specifications	EPA1900	EPA2500	EPA3100	EPA4500	EPA5500	EPA6500	EPA9500
Maximum Flow Rate	1922 gph	2510 gph	3120 gph	4620 gph	5360 gph	6760 gph	9460 gph
Maximum Head	13 feet	18 feet	20 feet	26 feet	26 feet	26 feet	30 feet
Maximum Wattage	175W	200W	210W	400W	420W	490W	710W
Power Cord Length	20 feet	20 feet	20 feet	30 feet	30 feet	30 feet	30 feet
Volts / Frequency	115 V / 60 Hz	115 V / 60 Hz	115 V / 60 Hz	115 V / 60 Hz	115 V / 60 Hz	115 V / 60 Hz	115 V / 60 Hz
Pump Discharge (mpt)	1"	1 1/2"	1 1/2"	2"	2"	2"	2"

## EasyPro Pond Products Limited Warranty

EasyPro Pond Products (“EasyPro”) warrants to the purchaser that this product (“Product”) will be free from any mechanical or material defects for a period of:

**Two years** from the date of purchase. Gaskets are considered wearable items and are not covered under this limited warranty

Impeller: **six months** from the date of purchase.

This warranty only covers properly installed and maintained Products sold by authorized EasyPro Sellers who are subject to and follow EasyPro’s quality control standards. Please note that because EasyPro is unable to control the quality of Products sold by unauthorized sellers, unless otherwise prohibited by law, this warranty does not cover Products purchased from unauthorized sellers.

This warranty does not cover normal wear and tear, nor any deterioration suffered through overloading, improper use, negligence, improper installation, acts of God or accident. Similarly, any modification made by the purchaser to the Product will cause the warranty to be null and void. This warranty does not cover any cost associated with the installation or removal of the Product subject to a warranty claim.

All returned items will be inspected to determine cause of failure before a warranty claim is approved. The exclusive remedies provided hereunder shall, upon EasyPro’s inspection and option, be either repair or replacement of the Product or parts covered under this warranty.

**Making a Claim:** A Return Authorization (“RA”) number must first be obtained by calling EasyPro at 800-448-3873 or via email at [warranty@easypro.com](mailto:warranty@easypro.com). It is the purchaser’s responsibility to pay the return shipping charges. Be sure to include the RA number, original receipt (in the form of an invoice or sales receipt), your name, your return address and your phone number inside of the package. No warranty claims will be honored without the original receipt that shows that your purchase was made from an Authorized EasyPro Seller. Ensure the product is properly packaged and insured for the replacement value. Damage due to improper packaging is the responsibility of the sender.

ALL OTHER EXPRESS OR IMPLIED WARRANTIES INCLUDING MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY LIMITED IN DURATION TO THE DURATION OF THE WARRANTY AS DESCRIBED ABOVE. Some States do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.

EasyPro shall not be held liable for any damages caused by defective components or materials of this Product; or for loss incurred because of the interruption of service; or any consequential/incidental damages and expenses arising from the production, sale, use or misuse of this Product. Some States do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

EasyPro shall not be held liable for any loss of fish, plants or any other livestock as a result of any failure or defect of this Product. This warranty gives you specific legal rights, and you may also have other rights that vary from State to State.



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