

**TLS1850 • TLS2750 • TLS4250**



# *Spirit*

## **Pond & Waterfall Pumps** **Instructions for Operation • Safety • Warranty**

*Designed for minimal solids applications*

Thank you for purchasing the Spirit Pond & Stream pump from EasyPro. These pumps are designed for continuous duty use in small ponds, statuary, Just-A-Falls, etc. A great choice for ponds with light debris laden water.



### **Specifications**



- Can be run in vertical or horizontal positions for compact applications
- Oil-less design, fish and plant safe
- Impeller designed for passing debris up to 1/4" diameter
- 1 1/4" female threaded outlet with a 1 1/4" x 1 1/2" elbow included
- Triple sealed 115v motors with 18 month warranty
- Automatic overload and thermal protection with self reset



***Run in vertical or horizontal position***




## Safety & Electrical Connections

1.  Always disconnect the electricity supply before handling, maintaining, repairing or installing any pond equipment.
2. Always make sure you know the correct amps and voltage required before installing.
3. Use dedicated power outlet only. Sharing the outlet with other equipment may cause overheating and fire.
4. EasyPro TLS pumps come in 115 volt only.
5. Always connect to a Ground Fault Circuit (GFCI) to prevent electrical shock. Never submerge connecting power cable plug in water.
6.  Never let the pump run without water as this will damage the impeller, over heat and possibly burn out the pump. This pump must stay submerged entirely when operating. If used in a skimmer, the debris net must be kept clean to ensure adequate water flow to pump. Running pump low on water will cause overheating, premature failure and will void warranty.
7. Do not use this product in bathrooms or swimming pools.
8. Do not let the water level in your water feature fall below the top of the pump body.
9. 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.
10. Do not attempt to disassemble pump during the warranty period. If there are any questions please contact your local EasyPro dealer.
11. Never use an extension cord or tamper with power cord. Power cord cannot become bent, twisted, abraded or cut. A damaged cable may cause electric leakage, shock or fire.
12. The motor has a built-in protection system which stops the pump when overheating occurs due to excessive load or low water, this can be caused by clogging at inlet/outlet or when fluctuations occur in power supply. The cooling time is roughly 15 to 20 minutes, then the pump will automatically come back on. If the overload is tripped, it is essential to identify and remedy the cause of the overheating.


## Installation

- Do not paint casing, over heating may occur
- Lift only by handle, not by power cable or float switch
- Do not hang pump in water, install on solid flat base in upright or horizontal position
- Install proper outlet adapter for pipe or hose
- Make sure that power cable plug and power outlet are away from water and water discharge pipe/hose.

## Operation

1.  Do not start operation with people standing near intake or outlet.
2. Do not operate out of water.
3. Pump must remain fully submersed.
4. Only use pump for circulation, transfer or removal of water with limited solids 1/4" or smaller.
5. Do not pump oil, salt water, sewage, food or chemical liquids.
6. Do not allow dry operation
7. Do not allow foreign objects to clog or enter intake
8. In case of power outage, turn off power switch to avoid damage when power is restarted.
9. If excessive vibration occurs turn off power immediately.

## Service & Maintenance

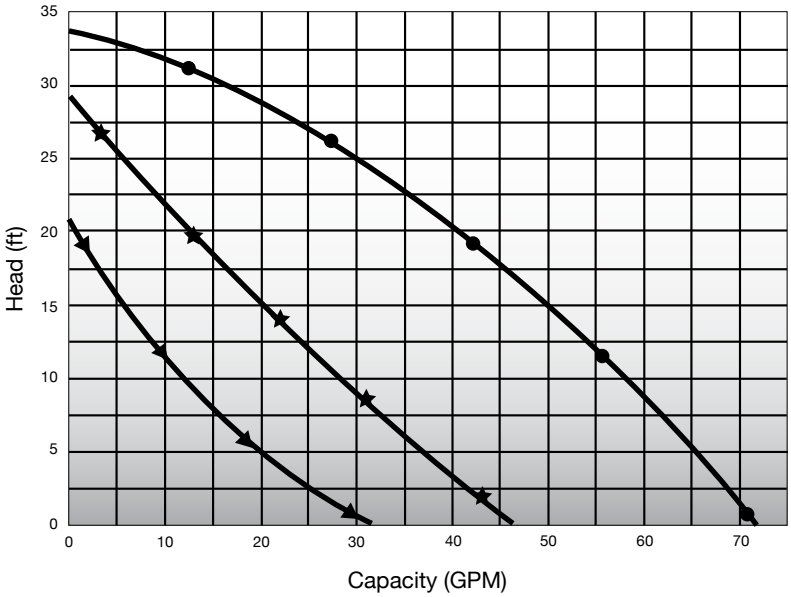
1.  Disconnect all power supplies before inspection or service to avoid possible electrical shock.
2. The pump should be removed from the pond on a regular basis, cleaned and checked over for damage to prolong the life of the pump.
3. Clean the impeller and intake screen when the flow is visibly reduced.
4. Clean the pump and impeller with clean fresh water.
5. Check inside the impeller housing for large debris or algae, which could reduce the flow.
6. Check and tighten nuts and bolts if required, refer to dealer for advice on other repairs.
7. Winterization/Storage: When the pump is out of use for extended time - wash and dry it then store indoors in a non-freezing location. It is best to store in a bucket with about an 8" water depth. It is essential to prevent any risk of the pump freezing.
8. If the pump is left in water but not operating regularly, test run it at least once a week.

## Trouble Shooting

Before taking any trouble shooting action, disconnect pump from the power supply. If there is any damage to the power cord or pump, repairs or replacements must be handled by EasyPro or a qualified party.

- |                                |  |
|--------------------------------|--|
| Does not start                 | <ul style="list-style-type: none"><li>• Make sure power cord is plugged in</li><li>• Float (not included) may not be moving freely, increase depth</li></ul>   |
| Does not shut-off              | <ul style="list-style-type: none"><li>• Pump is not disabled by float (not included), make sure float can move freely</li></ul>  |
| Humming                        | <ul style="list-style-type: none"><li>• Line circuit breaker is off, fuse is burned or loose</li><li>• Pump cord is not making contact in receptacle</li></ul>   |
| Running, no water              | <ul style="list-style-type: none"><li>• Suction grid or piping are clogged</li><li>• Impeller is worn or stuck</li><li>• Required head is too high for the pump specifications</li><li>• Water level is too low</li></ul>  |
| Running, very little water     | <ul style="list-style-type: none"><li>• Pump is air-locked, start and stop several times by plugging and unplugging cord, check for clogged vent hole</li><li>• Vertical pumping distance is too high or the pipe size is too small</li><li>• Inlet or impeller clogged</li><li>• Low water conditions with pump sucking air</li></ul> |
| GFCI breaker tripping          | <ul style="list-style-type: none"><li>• Mechanical seals may need to be replaced</li><li>• Power cord may be damaged and getting wet</li><li>• Nuisance trip due to improper grounding</li><li>• Overloaded circuit</li></ul>  |
| Motor briefly starts and stops | <ul style="list-style-type: none"><li>• Low water conditions, pump overheating</li><li>• Inlet or impeller clogged</li><li>• Improper power supply</li></ul>   |
| Pumps stops                    | <ul style="list-style-type: none"><li>• Make sure water being pumped is not too dense, causing the pump to overheat.</li><li>• Clear obstructions on impeller</li><li>• Check power supply to comply with nameplate data</li><li>• Wait for pump to cool, correct reason for overheating, plug back in and resume operation</li></ul>  |

# Specifications



TLS1850    TLS2750    TLS4250

Discharge 1<sup>1</sup>/<sub>4</sub>" fpt • Elbow 1<sup>1</sup>/<sub>2</sub>" fpt  
 Voltage 115v, 60 hz • Power Cord 20'

Part #	Maximum Gph	Hp	Watts	Maximum Head
<b>TLS1850</b>	1850	1/4	260	21'
<b>TLS2750</b>	2750	1/3	370	29'
<b>TLS4250</b>	4250	1/2	820	33'

## Limited Warranty

- Pump is warranted against any mechanical or material defects for 18 months from date of purchase
- This warranty does not cover accidental damage to the product due to abuse or negligence by the consumer.
- An RMA number must be obtained by calling EasyPro Pond Products at 800-448-3873 and be included on package before returning for warranty.

Return warranty items to:  
EasyPro Pond Products, 4385 East  
110th, Grant, MI 49327

*Be sure to include RMA number, original receipt, name, return address and phone number in package.*

- In the event of a warranty claim, please return the pump postage prepaid with the original receipt for repair or exchange. No warranty claims will be honored without the original receipt.
- The manufacturer or supplier shall not be held liable for any damages caused by defective components or materials of this pump; 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.
- The manufacturer or supplier 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 pump must stay submerged entirely when operating. If used in skimmer, the debris net must be kept clean to ensure adequate water flow to the pump. Running pump low on water will cause overheating and premature failure which is not covered under warranty.
- If you experience a failure of your pump, please check the following before returning to us:
  1. Remove filter housing, clean and inspect impeller and surrounding chamber, reassemble and test pump;
  2. Verify electrical supply.

Return warranty  
pumps to:

**EasyPro**  
**Pond Products**  
4385 East 110th  
Grant, MI 49327

Be sure to include RMA  
number, original receipt,  
return address and phone  
number in package!



800-448-3873 • Grant, Michigan

[www.easyporpondproducts.com](http://www.easyporpondproducts.com) • [info@easyporpondproducts.com](mailto:info@easyporpondproducts.com) 11-13