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T-SERIES TORPEDO PUMP



EN ENGLISH

This instruction sheet provides you with the information required to safely own and operate your Cal Pump product. Retain these instructions for future reference.

This Cal Pump product is of the highest quality workmanship and material, and has been engineered to give you long and reliable service. Cal Pump products are carefully tested, inspected, and packaged to ensure safe delivery and operation. Please examine your item(s) carefully to ensure that no damage occurred during shipment. If damage has occurred, please contact the place of purchase. They will assist you in replacement or repair, if required.

READ THESE INSTRUCTIONS CAREFULLY BEFORE ATTEMPTING TO INSTALL, OPERATE, OR SERVICE YOUR CAL PUMP PRODUCT. KNOW THE PRODUCT'S APPLICATION, LIMITATIONS, AND POTENTIAL HAZARDS. PROTECT YOURSELF AND OTHERS BY OBSERVING ALL SAFETY INFORMATION. FAILURE TO COMPLY WITH THESE INSTRUCTIONS COULD RESULT IN PERSONAL INJURY AND/OR PROPERTY DAMAGE!

DESCRIPTION



The T-series torpedo pumps are designed for use in water displays, ponds, waterfalls, aeration applications, and to power large bio-filters. They come with a 20-foot power cord (40-foot on models T7500 and T10000) and can be used in or out of water.

SAFETY GUIDELINES



The National Electric Code and most local codes require that a ground fault circuit interrupter (GFCI) be installed in the branch circuit feeding your pump. For your own safety we urge you to comply with this regulation.

DO NOT use extension cords or splices with submersible pumps.
WARNING! Risk of electrical shock. This pump is supplied with a grounding conductor and grounding-type attachment plug. To reduce the risk of electrical shock, connect only to a properly grounded, grounding-type receptacle with ground fault circuit interrupter (GFCI).

Do not lift, carry, or support the pump by its power cord.
Do not use to pump flammable, corrosive, gaseous, or explosive liquids.
Do not run the pump dry.

INSTALLATION AND OPERATION



WARNING: Before connecting the pump to the power source, verify that the power source is of the same voltage and frequency listed on the pump.

NOTE: The pump may be mounted out of water, below water line in any position. When mounting the pump out of water, the intake must remain flooded at all times.

NOTE: The PC50 power control center can be used with the T1500 and the T4000, and is available through your dealer.

1. Ensure that the maximum temperature of the pumped liquid will not exceed 86°F (30°C) in continuous operation.
2. If the bottom of the pond is sandy or muddy, install the pump suspended from a rope or chain or install it on a suitable base to prevent its intake from clogging.
3. To facilitate pump priming, connect and submerge the inlet hose, then fill the volute chamber by sinking the pump with its discharge outlet facing up.
4. Complete the discharge connections.
5. Check that the power cable and/or socket are not tampered with or damaged.
6. Start the pump by plugging it into a properly grounded, grounding-type receptacle. There is no on/off switch.

MAINTENANCE



WARNING: Before working on the pump, unplug the power cord from the receptacle.

CAUTION: The power cord must not be used to lift or carry the pump. To lower or lift the pump from pond, attach a rope to the handle.

CAUTION: This pump is factory-sealed. Do not disassemble it. This will void the warranty.

1. The pump requires cleaning periodically. If a reduction in flow is noticed, large debris may have entered and lodged in the pump and/or the impeller. If so, remove the hose fittings, backflush the pump, and remove the debris from the suction end of pump.
2. At the end of the season, remove the pump from the water and clean it.
3. In freezing temperatures, remove the pump from the water and drain it. Do not leave the pump in a frozen body of water, or with any residual water left in the pump. Store the pump in a bucket of water to keep the seals from drying out. Run the pump once a week in the bucket to keep the seals from sticking together.
4. At the start of the next season, we recommend the impeller be manually rotated, by using a small screwdriver, before installing in your pond.

TROUBLESHOOTING

SYMPTOM	CAUSE	REMEDY
No water flow from pump.	There is no power to pump.	Connect the pump to power.
	The pump will not prime.	Ensure that the inlet of the pump is below the water surface.
Low water flow from the pump.	The pump intake is blocked.	Remove debris blocking the intake screen or impeller.
	The pump is not large enough.	Select a larger capacity pump.
	The pump discharge is blocked.	Remove debris blocking the discharge.
Pump runs intermittently.	The pump is too hot.	Check to see that no debris is clogging the suction port.

LIMITED WARRANTY

THIS WARRANTY SETS FORTH THE COMPANY'S SOLE OBLIGATION AND PURCHASER'S EXCLUSIVE REMEDY FOR DEFECTIVE PRODUCT.

Franklin Electric Company, Inc. and its subsidiaries (hereafter "the Company") warrants that the products accompanied by this warranty are free from defects in materials or workmanship of the Company that exist at the time of sale by the Company and which occur or exist within the applicable warranty period. Any distributor, sub-distributor, recipient, end-user and/or consumer agrees that by accepting the receipt of the products, the distributor, sub-distributor, recipient, end user and/or consumer expressly agrees to be bound by the terms of the warranty set forth herein.

I. Applicable Warranty Period

The products accompanied by this warranty shall be covered by this Limited Warranty for a period of 6 months from the date of original purchase by the consumer. In the absence of suitable proof of purchase date, the warranty period of this product will begin to run on the product's date of manufacture.

II. Instructions Applicable to this Limited Warranty

- Consumers wishing to submit a warranty claim must return the products accompanied by this warranty to the point of purchase for warranty consideration.
- Upon discovery of a defect, any personal injury, property damage or any other type of resulting damage, if applicable, shall be reasonably mitigated to the extent possible.
- At its discretion, the Company may inspect products either at its facilities or in the field, and after determination of a warranty claim, will, at its option, repair or replace defective parts. Repaired or replaced parts will be returned freight prepaid by the Company.
- This warranty policy does not cover any labor or shipping charges. The Company shall not be liable for any costs or charges attributable to any product testing, maintenance, installation, repair or removal, or for any tools, supplies, or equipment needed to install, repair, or remove any product.

III. Limitations Applicable to this Limited Warranty

THIS WARRANTY DOES NOT APPLY TO ANY OF THE FOLLOWING:

- Any product that is not installed, applied, maintained and used in accordance with the Company's published instructions, applicable codes, applicable ordinances and/or with generally accepted industry standards.
- Any product that has been subject to misuse, misapplication, neglect, alteration, accident, abuse, tampering, acts of God (including lightning), acts of terrorism, acts of war, fire, improper storage or installation, improper use, improper maintenance or repair, damage or casualty, or to an excess of the recommended maximums as set forth in the product instructions.
- Any product that is operated with any accessory, equipment, component, or part not specifically approved by the Company.
- Use of replacement parts not sold by the Company, the unauthorized addition of non-Company products to other Company products, and the unauthorized alteration of Company products.
- Products damaged by normal wear and tear, normal maintenance services and the parts used in connection with such service, or any other conditions beyond the control of the Company.
- Any product that has been used for purposes other than those for which it was designed and manufactured.
- Any use of the product where installation instructions and/or instructions for use were not followed.

For technical assistance, please contact 1.888.956.0000

Pour l'aide technique, entrez s'il vous plaît en contact 1.888.956.0000

Para la ayuda técnica, por favor póngase en contacto 1.888.956.0000

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The Company reserves the right at any time, and from time to time, to make changes in the design and/or improvements upon its product without thereby imposing any obligation upon itself to make corresponding changes or improvements in or upon its products already manufactured and/or previously sold. The Company further reserves the right to substitute parts or components of substantially equal quality in any warranty service required by operation of this Limited Warranty.

This written Limited Warranty is the entire warranty authorized and offered by the Company. There are no warranties or representations beyond those expressed in this document.

THIS WARRANTY AND REMEDY IS IN LIEU OF ALL OTHER WARRANTIES AND REMEDIES INCLUDING WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY SPECIFICALLY DISCLAIMED AND EXPRESSLY EXCLUDED. CORRECTION OF NON-CONFORMITIES, IN THE MANNER AND FOR THE PERIOD OF TIME AS SET FORTH ABOVE, SHALL CONSTITUTE FULFILLMENT OF ALL LIABILITY OF THE COMPANY TO THE PURCHASER WHETHER BASED ON CONTRACT, NEGLIGENCE, OR OTHERWISE.

THE COMPANY SHALL NOT BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES SUCH AS, BUT NOT LIMITED TO:

DAMAGE TO OR LOSS OF OTHER PROPERTY OR EQUIPMENT, LOSS OF USE OF EQUIPMENT, FACILITIES OR SERVICE, LOSS OF PROFIT OR SALES, COST OF PURCHASES OR REPLACEMENT GOODS, CLAIMS OF CUSTOMERS OF THE PURCHASER, FAILURE TO WARN AND/OR INSTRUCT, LOSS OF OTHER PRODUCTS, OR COSTS OF ENVIRONMENTAL REMEDIATION, OR DIMINUTION IN PROPERTY VALUE. THE REMEDIES OF THE PURCHASER SET FORTH HEREIN ARE EXCLUSIVE, AND THE LIABILITY OF THE COMPANY SHALL NOT, EXCEPT AS EXPRESSLY PROVIDED HEREIN, EXCEED THE PRICE OF THE PRODUCTS UPON WHICH SUCH LIABILITY IS BASED. DAMAGES AS SET FORTH IN THIS PARAGRAPH SHALL BE REASONABLY MITIGATED TO THE EXTENT POSSIBLE. THIS PARAGRAPH SHALL ALSO APPLY TO ALL DAMAGES RESULTING FROM CONDITIONS SET FORTH IN SECTION III ABOVE AND (1) DEFECTS IN PRODUCT PROTOTYPES OR REPLACEMENT PART PROTOTYPES THAT HAVE NOT BEEN PUT INTO PRODUCTION, CIRCULATED AND SOLD BY THE COMPANY, AND/OR (2) DEFECTS THAT WERE NOT FOUND AT THE TIME OF SALE DUE TO SCIENTIFIC AND TECHNOLOGICAL REASONS.

This Limited Warranty gives you specific legal rights. You may have other rights, which vary according to the applicable laws and regulations. Where any term of this warranty is prohibited by such laws, it shall be null and void, but the remainder of this warranty shall remain in full force and effect.

DISCLAIMER: Any oral statements about the product made by the seller, the Company, the representatives or any other parties, do not constitute warranties, shall not be relied upon by the user, and are not part of the contract for sale. Seller's and the Company's only obligation, and buyer's only remedy, shall be the replacement and/or repair by the Company of the product as described above. Before using, the user shall determine the suitability of the product for his intended use, and user assumes all risk and liability whatsoever in connection therewith.

DEALERS/DISTRIBUTORS

You are authorized to make a warranty determination on our behalf. Please exercise your own good judgment in accordance with the provisions of the warranty listed above. For credit or replacement, return the product to the address above, freight prepaid