



Franklin Electric Co., Inc.
P. O. Box 12010
Oklahoma City, OK 73157-2010
888-956-0000
www.lg-outdoor.com
customerservice@lgpc.com

PW-SERIES DIRECT DRIVE PUMP



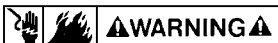
INTRODUCTION

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. It has been 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



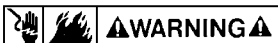
The PW-series direct drive pumps are designed to empty flooded basements, boats, tanks, rainwater storage basins, wells, ponds, and swimming pools. They can also circulate and supply water to high-volume waterfalls and large bio-filters.

PW-series pumps are equipped with an air relief located near the seam of the pump body, to prevent air lock.

The PW2500 and PW5500 are equipped with a 1-1/2" MNPT intake.

PW-series pumps are NOT designed for septic tanks and settling pits.

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.

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 use extension cords or splices with this pump.

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

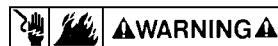


WARNING: Before connecting the pump to the power source, verify that the power source is of the same voltage and frequency listed on the pump.

NOTE: This pump is designed to pump water only. Suitability with other liquids is the responsibility of the end user.

1. Ensure that the maximum temperature of the pumped liquid will not exceed 86 degrees Fahrenheit in continuous operation.
2. If the bottom of the pond is sandy or muddy, suspend the pump from a rope or chain, or place it on a suitable base to prevent its intake from clogging. Pumping sand and other abrasive materials will reduce the life of the pump.
3. Remove the air from the pump by sinking the pump with its discharge facing up. This will facilitate priming.
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: DO NOT use the power cord to lift or carry the pump. To lower or lift the pump from pond, attach a rope to the handle.

1. After using the pump in very dirty water, rinse and clean it with fresh water.
2. Clean the pump periodically or when a decrease in flow is noted. Remove only the screws holding the screen to the pump body, and carefully clean any debris from the impeller and pump housing. Replace the screen.
3. At the end of the season, remove the pump from the water and clean it.
4. 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.
5. At the start of the next season, we recommend that the bottom screen be removed and 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 is not priming.	Ensure that the inlet of the pump is below the water surface. If used inline, the entire pump must be 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.

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.

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

www.lg-outdoor.com
customerservice@lgpc.com