



TETON

Natural Reliability™

XPF SERIES

Submersible Pump

INSTRUCTION MANUAL



DATE
FEBRUARY 2023

Teton Dynamics
P.O. Box 3031
San Leandro, CA 94578-0031

MODEL
XUV16A
XUV40S
XUV80S
XUV120S

XPF SUBMERSIBLE PUMP

XUV16A/XUV40S/XUV80S/XUV120S

www.tetonus.com

800.752.0399

info@tetonus.com

**WELCOME TO THE WORLD OF TETON,
NATURAL RELIABILITY™!**

You Made The Right Choice Investing In
This Quality Product. Thank You And Enjoy.

**BEFORE USING THIS PRODUCT, PLEASE READ
THESE INSTRUCTIONS CAREFULLY AND
FAMILIARIZE YOURSELF WITH THE UNIT.
PLEASE KEEP THESE INSTRUCTIONS IN A SAFE
PLACE FOR FUTURE REFERENCE.**

TECHNICAL SPECIFICATIONS

MODEL NO.	XPF3700	XPF4500	XPF5200	XPF6000
MAX FLOW (GPH)	3900	4700	5400	6200
MAX FLOW (L/H)	14763	17791	20441	23469
MAX HEAD (FT)	22	27	32	41
MAX HEAD (M)	6.70	8.22	9.75	12.50
WATTS	380	470	620	820
OUTPUT HP	3.3	4.0	5.2	7.3
AMPS	1/5	1/3	1/2	1
DISCHARGE SIZE-FPT(IN)	1-1/2	2	2	2
CORD LENGTH (FT)	18	18	18	18
DIMENSIONS-LENGTH (IN)	9.45	9.45	9.45	9.45
DIMENSIONS-WIDTH (IN)	6.5	6.5	6.5	6.5
DIMENSIONS-HEIGHT (IN)	14	14	15	15.5
WEIGHT (LBS)	16	16	18	20

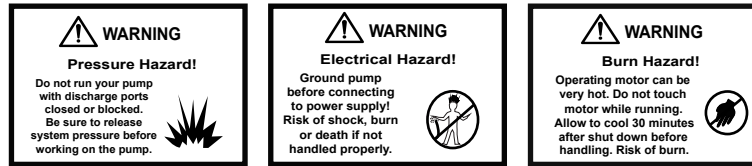
AVAILABLE REPLACEMENT PARTS

	PART NO.	DESCRIPTION
1	999300	XPF3700 1-1/2" Outlet Flange
2	999310	XPF4500-6000 2" Outlet Flange
3	999370	XPF3700/4500 Cord (Pre-2020)
4	999375	XPF3700/4500 Cord (2020-Present)
5	999520	XPF5200/6000 Cord (Pre-2020)
6	999525	PF5200/6000 Cord (2020-Present)

IMPORTANT SAFEGUARDS



Please read the operating instructions and familiarize yourself with the equipment before placing it in service. Correct and safe use of the system requires strict compliance with these safety instructions. For safety reasons, persons less than 16 years of age or persons that are not familiar with these instructions, should not use this equipment.



- The pump cannot be used for salt water, flammable, corrosive, explosive or dangerous liquids. This series of pumps is not recommended for ponds with very small fish.
- Do not work on pump while it is plugged in.
- Do not cut off ground pin or use an adapter fitting.
- Do not use an extension cord.
- Do not use this pump for other than its intended use.
- The use of attachments not recommended or sold by the pump manufacturer may cause an unsafe condition.
- Do not install or store the pump where it will be exposed to the weather or to temperatures below freezing. This pump is designed for use in water with a maximum temperature of 95F (35C).
- Make sure that the water depth is at least 6 inches (15 cm) above the pump's intake to prevent the pump running dry.
- Read and observe all notices on the pump and cord.
- Care should be taken to arrange the cord so that it will not be tripped over or pulled. The pump power cord should be connected to a separately fused, grounded line with a minimum capacity of 15 amps. It can be connected to a non-fuse breaker at the recommended amperage. Never touch the pump when it is connected to electrical power.
- Before installing or servicing this pump, be certain power source has been disconnected.
- Installation and electrical wiring must adhere to state and local codes and must be completed before priming pump. Check appropriate community agencies, or contact local electrical and pump professionals.
- Call an electrician when in doubt. Pump should be connected to a separate 15 amps circuit breaker or 15 amp fuse block. Note that, plugging into existing outlets may cause low voltage at motor, causing blown fuses, tripping of Thermal Overload, or potentially burning out the pump.
- A permanent ground connection from pump to the grounding bar at the service panel is mandatory. Teton XPF pumps come with a grounding conductor and a grounding-type attachment plug. Do not connect pump to a power supply until permanently grounded. For maximum safety, connect pump to a circuit equipped with a Ground Fault Circuit Interrupter (GFCI) device when you position the pump's grounding wire.
- Voltage of power supply must match the voltage of the pump.
- Before installing pump, clear skimmer or pond of debris or sediment.
WARNING: Teton XPF pumps are not designed for and CANNOT be installed in locations classified as hazardous.
- WARNING : The following may cause severe damage to pump and may void warranty:
 - (a) Using an extension cord.
 - (b) Cutting off the ground pin or using an adapter fitting.
 - (c) Working on pump or switch while plugged in.
 - (d) Removing motor housing, unscrewing impeller, or otherwise removing impeller seal.
 - (e) Pumping chemicals or corrosive liquids.
 - (f) Pumping gasoline or other flammable liquids.
- Piping: Plastic PVC pipe, drain hose, galvanized steel or copper pipe may all be used. All piping must be clean and free of all foreign matter to prevent clogging. Use thread compound on all threaded joints unless specified otherwise. Be sure to seal the thread connection with tape seal when using the pipe fitting to connect to the flange.

Electrical Wire Connection:

- WARNING: Verify that the voltage and frequency of the pump shown on the nameplate corresponds to those available on the main. The installer must make sure that the electric system is grounded in accordance with current building code.

All plugs and connections should be located remotely from the pond, protected from water. Before using the pump, always inspect it visually (especially power cable and plug).

Do not use the pump if it is damaged. If the pump is damaged, have it inspected by a professional or the Authorized Dealer where it was purchased. Make sure that electric connections are protected from flooding, heat, oil or sharp objects. ! WARNING: The power cable must be replaced by a qualified professional only.

Grounding: The plug of the power cable has a double grounding contact, so that grounding will take place by simply inserting the plug.

Overload protection:

The XPF series pumps have been designed with a built in Thermal Overload switch. The pump will immediately stop if the Thermal Overload switch activates. The motor restarts automatically after it has cooled down.

TROUBLESHOOTING

PROBLEMS	POSSIBLE CAUSE
Pump is not working	<ul style="list-style-type: none"> * Line circuit breaker is off, or fuse is blown. * Water in skimmer or pond has reached a level which is insufficient for pump to operate. * Pump cord is not making contact in receptacle. * Float (optional) is stuck. It should operate freely * If all of the above are OK then the motor could be defective.
Pump runs but does not pump water	<ul style="list-style-type: none"> * Check valve (optional) is installed backwards. (Not included with pump). Arrow on valve should point in direction of flow. * Discharge shut-off valve (if used) may be closed. * Impeller or volute openings are fully or partially clogged. Remove pump and clean. * Pump is air-locked. Start and stop several times by plugging and unplugging cord. Check for clogged vent hole in pump case. * Inlet holes in pump base are clogged. Remove pump and clean the openings. * Vertical pumping distance is too high or the pipe size is too small. Reduce vertical distance or increase the pipe size fittings.
Pump runs but pumps only a small amount of water	<ul style="list-style-type: none"> * Pump is air-locked. Start and stop several times by plugging and unplugging cord. Check for clogged vent hole in pump case. * Vertical pumping distance is too high or pipe size is too small. Reduce vertical distance or increase the pipe size. * Inlet holes in pump base are clogged. Remove pump and clean the openings. * Impeller or volute openings are fully or partially clogged. Remove pump and clean. * Pump impeller is partially clogged with debris, tar or paint, causing motor to run slow and overload. Remove pump and clean.
Fuse blows or circuit breaker trips when pump starts.	<ul style="list-style-type: none"> * Pump impeller is partially clogged with debris causing motor to run slow and overload. Remove pump and clean. * Motor stator may be defective. * Fuse size or circuit breaker may be too small. (Must be 15 amps). * Impeller or volute opening are fully or partially clogged. Remove pump and clean.
Motor runs for a short time, then stops.	<ul style="list-style-type: none"> * Inlet holes in pump base are clogged. Remove pump and clean the openings. * Pump impeller is partially clogged with debris causing motor to run slow and overload. Remove pump and clean. * Motor stator may be defective. * Impeller or volute openings are fully or partially clogged. Remove pump and clean.

LIMITED PRODUCT WARRANTY

- CMT Group LLC, a California limited liability company d/b/a Teton™ (the “Company”) expressly warrants to the original purchaser that, for a period of two (2) years from the date of sale, the covered product (the “Product”) will be reasonably free of defects in materials and workmanship and that when properly handled, will conform, within accepted tolerance to applicable manufacturing specifications. This Limited Product Warranty (“Limited Warranty”) only applies to Company’s Products that are used, stored, handled, and installed in the manner recommended by the Company in the Product instruction manual.
- Notwithstanding this Limited Warranty, customer acknowledges that some parts of the Product are consumable and may need to be replaced as part of ongoing Product maintenance, as recommended in the Product instruction manual, and are therefore not covered by this Limited Warranty.
- Company will, at its option, repair or replace Product without charge, if the Product fails or does not perform as warranted solely due to a manufacturing defect within the warranty period, subject to the exclusions set forth in this Limited Warranty.
- Repair or replacement during this two (2) year warranty shall not include: reasonable labor charges necessary to repair or replace the defective Product, shipping costs, and packing and insurance costs. During the entire two (2) year warranty, Company’s obligation as to repair or replacement shall further be limited to repair or replacement with the models of the Product that are available at the time of the repair or replacement, and shall be limited to the repair or replacement of only the specific Product that fails due to a manufacturing defect. Any repaired or replaced Product shall also remain subject to the original two (2) year warranty from the date of the original sale, and any repair or replacement shall not extend the original warranty period in any manner or start a new warranty period.
- You may obtain coverage under this Limited Warranty by providing Company with proof of original purchase. For service under this Limited Warranty, you must first contact the seller, distributor, retailer, or dealer from whom you purchased the Product and provide the following: copy of original receipt, your name and address, a description of the Product (including the serial number/date code set forth on the Product), and the nature of the defect. To expedite any warranty claims and processing, please submit to us the product registration card included with your purchased Product promptly after your purchase.
- All warranty repairs must be performed by the Company, or a Company authorized third-party. Any repairs performed by you or an unauthorized third-party will not be compensated by Company and are not the responsibility of the Company and will void this warranty.
- **DISCLAIMER OF WARRANTIES:** Company’s Products must be stored, handled, installed, used, and maintained in accordance with instructions provided by Company, and this Limited Warranty is conditioned upon compliance with all such instructions. Copies of the Company’s use guide/care guide are included with the Product and available from the Company at the address listed below. You may also obtain these materials by contacting Company at (800) 752-0399 or on the Company’s website www.tetonus.com.
- This Limited Warranty does not cover defects caused by:
 - non-compliance with Company’s use guides, care guides, and/or instruction manual. Such failures include, but are not limited to, exposure to physical abuse, including, but not limited to chemical abuse (e.g. harsh cleansers and solvents), thermal abuse or shock (e.g. excessive heat or cold), incompatibility of fluid used near the Product, or misuse;
 - improper storage, installation, handling, and/or use of the Product;
 - damage not resulting from manufacturing defects that occur while the Product is in the customer’s possession;
 - unreasonable or unintended use of Product;
 - products installed with known or visible manufacturing defects at the time of installation;
 - minor conditions such as stains, scratches, etc.
- Any information or suggestion by Company with respect to the Products concerning applications, specifications, or compliance with codes and standards is provided solely for your convenient reference and are made without any representation as to accuracy or suitability. You must verify and test the suitability of any information with respect to the Products for your specific application.
- **THE WARRANTIES SET FORTH IN THIS LIMITED WARRANTY ARE THE ONLY WARRANTIES MADE BY COMPANY IN CONNECTION WITH THE PRODUCT. COMPANY CAN NOT AND DOES NOT MAKE ANY IMPLIED OR EXPRESS WARRANTIES WITH RESPECT TO THE PRODUCT, AND DISCLAIMS ALL OTHER WARRANTIES, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. PRODUCTS SOLD BY COMPANY ARE SOLD ONLY TO THE SPECIFICATIONS SPECIFICALLY SET FORTH BY COMPANY IN WRITING. OTHER THAN THE LIMITED WARRANTY SET FORTH HEREIN, COMPANY MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED. COMPANY’S SOLE OBLIGATION UNDER THIS WARRANTY SHALL BE REPAIR OR REPLACEMENT OF NON-CONFORMING PRODUCTS. BUYER ASSUMES ALL RISK WHATSOEVER AS TO THE RESULT OF THE USE OF THE PRODUCTS PURCHASED, WHETHER USED SINGULARLY OR IN COMBINATION WITH ANY OTHER PRODUCTS OR SUBSTANCES.**
- **LIMITATION OF LIABILITY:** No claim by the buyer/owner of any kind, including claims for indemnification, shall be greater in amount than the purchase price of the Product in respect to which damages are claimed. IN NO EVENT SHALL COMPANY BE LIABLE TO BUYER/OWNER IN TORT, CONTRACT OR OTHERWISE, FOR ANY SPECIAL, INDIRECT, INCIDENTAL, CONSEQUENTIAL, RELIANCE, STATUTORY, SPECIAL, PUNITIVE OR EXEMPLARY DAMAGES, INCLUDING, BUT NOT LIMITED TO, LOST PROFITS, LOSS OF USE, LOSS OF TIME, LOSS OF REVENUES, INCONVENIENCE, LOSS BUSINESS OPPORTUNITIES, DAMAGE TO GOOD WILL OR REPUTATION, OR LOSS OF DATA, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES OR SUCH DAMAGES COULD HAVE BEEN REASONABLY FORESEEN, IN CONNECTION WITH, ARISING OUT OF, OR AS A RESULT OF, THE SALE, DELIVERY, SERVICING, USE OR LOSS OF USE OF THE PRODUCT SOLD HEREUNDER, OR FOR ANY LIABILITY OF BUYER TO ANY THIRD PARTY WITH RESPECT THERETO.
- All provisions of this Limited Warranty are severable and if any provision shall be deemed invalid, the remaining provisions shall remain in full force and effect.
- Please consult your retailer for quality original Company replacement parts.
- Visit www.tetonus.com for your nearest dealer.
- Contact Information:
 - Any question concerning this warranty should be addressed to:
Teton
P.O. Box, 1044
San Leandro, CA 94577
Phone: 800-752-0399
Email: info@tetonus.com
Website address: www.tetonus.com