



**- ULTRA SERIES -
PRESSURE FILTER/UV CLARIFIERS**



INSTRUCTION MANUAL

PondMAX USA

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PondMAX

- ULTRA SERIES -

PRESSURE FILTER/UV CLARIFIERS

	PF750	PF1200	PF2400	PF3600
MAXIMUM POND SIZE - WITHOUT FISH - SHADED (GAL)	750	1200	2400	3600
MAXIMUM POND SIZE - WITH FISH - FULL SUN (GAL)	350	600	1200	1800
MAXIMUM FLOW (GPH)	1000	1200	2400	3200
FILTER CANISTER CAPACITY (GAL)	4	5	6.5	9
HOSETAIL INLET/OUTLETS (INCH)	.75/1/1.25	.75/1/1.25/1.5	.75/1/1.25/1.5	.75/1/1.25/1.5
WITH UV-C OPTION				
VOLTS	115	115	115	115
ULTRAVIOLET CLARIFIER (WATTS)	9	13	18	24
CABLE LENGTH (FT)	10	16	16	16

WELCOME TO THE WORLD OF PONDMAX™. YOU MADE THE RIGHT CHOICE INVESTING IN THIS QUALITY PRODUCT. THANK YOU AND ENJOY.

BEFORE USING THIS PRODUCT, PLEASE READ THESE INSTRUCTIONS OF USE CAREFULLY AND MAKE YOURSELF FULLY FAMILIAR WITH THE UNIT. PLEASE KEEP THESE INSTRUCTIONS IN A SAFE PLACE FOR FUTURE REFERENCE.

DESCRIPTION AND FEATURES

Your PondMAX™ pond filter has been manufactured with advanced technology to provide you with the best quality filter for your pond or waterfeature.

- A pressure indicator lets you know when the pressure in the filter increases indicating that the filter foams are getting blocked and requires cleaning .
- A large canister and high surface area bio media ensures maximum biological filtration. In normal operation the water enters the filter and is forced around the edge of the filter canister creating a vortex where larger particles are precipitated through gravity. The water then passes through the different density foam sponges, the higher density foam allows the water to pass through slower promoting colonization of Nitrosomonas bacteria and the lower density foam allows the water to pass through faster promoting colonization of

Nitrobacter bacteria. The water is then passed by the Ultraviolet light (if applicable) which inhibits bacteria and algae growth and returns back into the pond.

- An integral backwash function back-flushes the filter and compresses the foam sponge media.
- (With UV-C Option) An Ultra Violet Clarifier incorporated into the filter helps maintain crystal clear water.

INSTALLATION

1. (With UV-C Option) Have a licensed electrician install a weatherproof power point near to the pond or water feature (within the cable length of the filter).
2. Identify a suitable location for your new pressure filter. The pressure filter can be used in between a pump and a water feature or waterfall. The filter can also be partially buried to help disguise it in your garden. It is important to return

the clean filtered water from your filter to the opposite end of your pond to where the pump suction is located.

3. Connect anti-kink hose or poly tubing from your pump to the inlet of the filter. Your filter comes with different sized fittings to connect to the inlet, outlet and back-flush outlet. Make sure to cut off the hose tails that are smaller than the hose or tube size being used. Eg: If using 1-1/2" hose, cut off the smaller sections. Please use the largest size tubing possible. We recommend using PondMAX™ hose clamps for a leak free connection.
4. Connect tubing from the outlet of the filter back into your pond at the opposite end to where you are pumping from. You can have the outlet of the filter running into a waterfall. You only need to connect tubing to the back-flush outlet if you require the dirty water from the backwash to be diverted to a specific location.
5. If the flow from your pump is greater than the recommended max flow, you must reduce the flow, or bypass some of the flow with a Y fitting. The pressure must not exceed 6.5 PSI or 15 feet of head.
6. (With UV-C Option) Turn your pump on and then plug in the UV-C unit on the filter, if applicable. The UV-C unit should not be turned on if there is no water flowing past the UV-C lamp.
7. You can help boost the biological function of your filter with PondMAX™ Bacteria. Now sit back, relax and enjoy a clean and healthy pond.

MAINTENANCE

(With UV-C Option) Disconnect power cord from the power supply before performing maintenance. Never lift the filter by the power cord.

(With UV-C Option) The UV-C lamp must be checked regularly and should be replaced every 12 months.

(With UV-C Option) To visually check the lamp, look through the clear UV-C indicator on the top of the filter and if the light is working you will see a purple glow.

(With UV-C Option) The power cord cannot be replaced. If the cord is damaged, UV-C assembly must be replaced.

The filter must be operational 24 hours every day for it to function effectively.

USING THE BACKWASH

1. Make sure to always power off your pump before performing backwash on your filter. Once pump is off, turn the ball valve on the backwash outlet to open.
2. Now turn the backwash (arrow shaped) dial on the top of the filter to "clean" mode (the arrow will face towards the ball valve backwash outlet).
3. Next power the pump back on. The water from the normal outlet will now come out the backwash outlet.
4. Turn the cleaning crank handle clockwise on the filter several times or until the water exiting the backwash outlet becomes clean. Cleaning crank handle helps mechanically agitate debris on filter pads inside the filter.
5. Once backwash is done, power pump back off again.
6. With pump off, turn the backwash function dial on the top of the filter back to "filter" mode and close the valve on the backwash outlet.
7. Now that the backwash is complete, power the pump back on. Last, sit back and enjoy your watergarden.

FULL DISASSEMBLE AND RINSE

1. (With UV-C Option) Turn off your pump and disconnect the power cord from any electrical source. Undo the threaded inlet and outlets from the filter, unclip the lid clamp and carefully remove the lid.
2. Take care not to lose or damage the O-ring seal. Unscrew the clear locking screw at the bottom of the filter sponge layers (or the black base plate on PF2400 and PF3600 models). Undo the screw that holds the rod in place and remove the base plate.
3. Now remove the foam sponge rings from off the centre core and rinse them in dechlorinated water or pond water. Using dechlorinated water ensures the chlorine in normal tap water does not kill the beneficial bacteria living in your filter media. Be sure to thoroughly squeeze the sponges to remove sludge.

4. Remove the high efficiency bio media ring (in PF2400 and PF3600 Models only) from the bottom of the filter canister and only remove any excess sludge from the biospheres. You should not remove all of this brown matter as this is the beneficial bacteria which is essential in the breakdown of toxic waste from your pond.
5. Now clean out the canister of your filter and any debris from the lid of the filter and reassemble. First reassemble the partially cleaned bio media ring into the canister and then insert lid with the foam rings installed onto the center core. The Foam rings should alternate from Blue to Yellow.
6. Now put the lid back in place, taking care to locate the O-ring on the canister, then firmly push the lid back onto the canister. Take care to align the locking nut on bottom sponge plate with one of the holes in the biomedica ring. Fasten the lid, clamp in place and reconnect the inlet and outlet.
7. (With UV-C Option) Now plug the pump and filter in, turn on, and sit back and enjoy your watergarden.

REPLACING THE LAMP FOR UV-C OPTION

1. Turn off power supply and remove plug from power outlet. Turn off your pump.
2. Undo the 4 screws on the top of the filter holding the UV-C Assembly in place.
3. Carefully lift up the UV-C Assembly out of the filter lid. Take care not to impact the quartz sleeve on anything – it will break.
4. Undo the quartz sleeve locking collar at the top of the quartz sleeve. Take care not to lose the quartz sleeve o ring and collar.
5. Carefully remove the quartz sleeve from the UV-C Assembly and place in a secure position.
6. You can now access the lamp to replace it. Pull out the old lamp and discard responsibly. Insert a new lamp ensuring it is connected securely.
7. Replace the quartz sleeve onto the UV-C Assembly ensuring the o ring and collar is located properly. Replace and tighten the quartz sleeve locking collar.
8. Replace the UV-C Assembly into the top of the filter ensuring it fits securely. Tighten the 4 screws fixing the Assembly into the filter lid.
9. Turn your pump back on and then reconnect power supply and turn on your filter. You have successfully replaced your UV-C lamp.

IMPORTANT SAFEGUARDS

To guard against injury, basic safety precautions should be observed including, but not limited to the following;

- (With UV-C Option) Do not look at an unshielded UV-C lamp. Ultra Violet light is harmful to your eyes and may cause blindness.
- (With UV-C Option) Always use a properly grounded power supply and protected with a ground fault circuit interrupter (GFCI).
- (With UV-C Option) Always unplug the filter from the power supply when not in use or before performing any maintenance on the pump.
- (With UV-C Option) Never pull the cord to disconnect the plug from the power supply. Grasp the plug and pull to disconnect.
- Do not install or store the filter where it will be exposed to extreme hot or cold temperatures.
- Keep out of reach of children or pets. This appliance should not be used by children without supervision.
- (With UV-C Option) Do not cut the cord as this will result in voiding your warranty.
- (With UV-C Option) Care should be taken to arrange the power cord so that it cannot be accidentally tripped over or pulled.
- Do not attempt to repair the filter yourself. Return to an authorized service centre or place of purchase if a fault occurs (regular maintenance is not considered repair and is required by user).

WINTER STORAGE

In cold winter weather (below freezing), we recommend the filter be removed from operation and drained of all water. The filter must be protected from frost at all times.

2. Turn off power supply to filter (if applicable) by removing plug from power outlet.
3. Turn off your pump.
4. Remove filter from installed location and store in a dry, weather-proof area. It is recommended to keep the filter lid open during winter storage.
5. Once weather permits, reinstall the filter lid securely.
6. Now reinstall filter in its original location and plug filter (if applicable) and pump back in.



LIMITED PRODUCT WARRANTY

- CMT Group LLC, a California limited liability company d/b/a PondMAX™ USA (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 (888) 868-1185 or on the Company's website www.pondmax.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.pondmax.com for your nearest dealer.
- Contact Information:
 - Any question concerning this warranty should be addressed to:
PondMAX USA
P.O. Box, 341
San Leandro, CA 94577
Phone: 888.868.1185
Email: info@pondmax.com
Website address: <https://pondmax.com>

EXPLODED VIEW

- 1 Backwash Rinsing Handle
- 2 Pressure Filter Lid
- 3 Hosesail Seal
- 4 Clear Stepped Hosesail - Inlet
- 5 Black Stepped Hosesail - Outlet
- 6 Ball Valve/Stepped Hosesail - Backwash
- 7 Backwash Rinsing Paddles
- 8 Yellow Fine Biosponge
- 9 Blue Coarse Biosponge
- 10 Bottom Sponge Plate and Locking Nut
- 11 Bio Media Ring (Excludes PF750 & PF1200)
- 12 Lid Clamp
- 13 Lid O Ring
- 14 Filter Canister
- 15 Clamp Locking Key

WITH UV-C OPTION

- 1 UV-C Top Cover and Ballast
- 2 UV-C O Ring and Collar Set
- 3 18 Watt UV-C Lamp
- 4 Lamp Cushion
- 5 Quartz Sleeve O Rings
- 6 Quartz Sleeve and Locking Collar

UV-C OPTION ASSEMBLY

