

# FLUVAL

www.fluvalaquatics.com



**UNTERWASSERFILTER**  
BEDIENUNGSANLEITUNG

U Series

**FILTROS SUMERGIBLES**  
MANUAL DE INSTRUCCIONES

**U1** 15 U.S. gal/55L

**U2** 12 - 30 U.S. gal/45 - 110L

**U3** 24 - 40 U.S. gal/90 - 150L

**U4** 34 - 65 U.S. gal/130 - 240L



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**UNDERWATER FILTERS**  
INSTRUCTION MANUAL

U Series

**FILTRES INTERIEURS**  
MODE D'EMPLOI

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# IMPORTANT SAFETY INSTRUCTIONS

**WARNING** - To guard against injury, basic safety precautions should be observed, including the following:

## 1. READ AND FOLLOW ALL SAFETY INSTRUCTIONS

and all the important notices on the appliance before use. Failure to do so may result in loss of fish life and/or damage to this appliance.

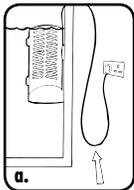
2. **DANGER** - To avoid possible electric shock, special care should be taken since water is employed in the use of aquarium equipment. For each of the following situations, do not attempt repairs yourself; return the appliance to an authorised retailer for service or discard the appliance.

A. If the appliance shows any sign of abnormal water leakage or if RCD (or GFCI - Ground Fault Current Interrupter) switches off disconnect the power supply cord from mains and remove the filter pump from water.

B. Carefully examine the appliance after installation. It should not be plugged if there is water on parts not intended to be wet.

C. Do not operate any appliance if it has a damaged cord or plug, or if it is malfunctioning or it is dropped or damaged in any manner. The power cord of this appliance cannot be replaced; if the cord is damaged, the appliance should be discarded. Never cut the cord.

D. To avoid the possibility of the appliance plug or socket getting wet, position the appliance to one side of a wall mounted socket to prevent water from dripping onto the socket or plug. A "drip loop" (see illustration a) should be arranged by the user for the cord connecting appliance to a socket. The "drip loop" is that part of the cord below the level of the socket or the connector if an extension cord is used, to prevent water travelling along the cord and coming in contact with the socket. If the plug or socket does get wet, DON'T unplug the cord. Disconnect the fuse or circuit breaker that supplies power to the appliance. Then unplug and examine for presence of water in socket.



3. **WARNING** - This appliance can be used by children aged 8 years and above, persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

4. To avoid injury, do not touch moving parts or hot parts.

5. **CAUTION** - Always unplug or disconnect all appliances in the aquarium from electricity supply before placing hands in water, before putting on or taking off parts and whilst the equipment is being installed, maintained or handled. When inserting or removing the filter pump from the water, always pull out the main electricity plug. Never yank cord to pull plug from outlet. Grasp the plug and pull to disconnect. Always unplug an appliance from an outlet when not in use.

6. This appliance is an aquarium filter pump for use in ornamental aquariums. Do not use this appliance for other than its intended use (i.e.: don't use it with inflammable or drinkable liquids, in swimming pools or other situations where people are immersed, in garden ponds, bathrooms, etc.). This appliance is suitable for use in water temperatures up to 35 °C. The use of attachments not recommended or sold by the appliance manufacturer may cause a dangerous situation.

7. This filter pump is suitable for INDOOR/HOUSEHOLD use only. Do not install or store the appliance where it will be exposed to the weather or to temperatures below freezing.

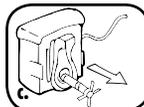
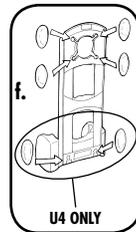
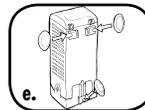
8. Make sure that this appliance is securely installed before operating it and that the electrical connection is in accordance with the data on the rating label. Do not allow pump to run dry. The filter pump must be immersed in water completely. This filter pump must never operate outside of water.

9. If an extension cord is necessary, a cord with proper rating should be used. A cord rated for less amperes or watts than the appliance rating may overheat. Care should be taken to arrange the cord so that it will not be tripped over or pulled. The connection should be carried out by a qualified electrical installer.

10. **SAVE THESE INSTRUCTIONS** For the complete use and understanding of this product it is recommended that this manual is thoroughly read and understood. Failure to do so may result in damage to this product.

## FILTER PREPARATION

1. Remove filter from bracket (U2, U3, U4) by tilting forward and pulling upwards (a).
2. Remove the motor from the bottom of the filter by squeezing the blue tabs and pulling down (b). Gently pull out the impeller fan from the motor (c), rinse the impeller and attached cylindrical magnet with clean water (d). Place back into the motor and re-attach the motor to the filter.
3. Open the flip top cover and remove the filter media.
4. Rinse the foam pad/s and cartridges in clean water
5. Remove and open the central media cartridge (Fluval U2/3/4 only) and empty the Biomax biological media from its bag into the cartridge, rinsing under a running tap.
6. Attach the suction cups to the filter body (Fluval U1) (e) or filter bracket (Fluval U2/3/4) (f)
7. Insert the directional nozzle/s to the water outlet/s (g), ensuring the nozzle with the venturi vent is installed on the top nozzle (Fluval U2/3/4 only)
8. If using the venturi aeration system, place it into the top of the nozzle (g).



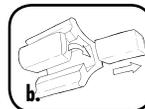
## INSTALLING THE FLUVAL CLEAN & CLEAR WATER CLEANSING CARTRIDGE (AVAILABLE SEPARATELY)

The Fluval Clean & Clear cartridge has been proven to reduce phosphate and nitrate levels for clearer, safer water and longer intervals between water changes. Replace every month for optimal effectiveness.

1. Fluval U1: Remove the central foam cut-out section and retain for future use if required. Remove the Clean & Clear cartridge from its bag and insert fully into the foam, with the easy removal tab on top (a-b).

**The use of media other than that designed specifically for use with Fluval U filters may obstruct water flow or damage the impeller – proceed with caution and at your own risk.**

2. Fluval U2/3/4: Remove and open the central media cartridge (c) and position the Biomax biological media into the top half of the cartridge. Insert the Clean & Clear cartridge/s into the lower half of the cartridge (d) (one cartridge in Fluval U2, two cartridges in Fluval U3/4).



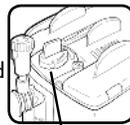
## INSTALLING THE FILTER

**WARNING:** Disconnect the electrical plug of all appliances inside the aquarium before putting hands into the water.

1. Fluval U2/3/4 only: Slide the filter into its bracket and clip into place, ensuring the power cable is correctly routed through the cable clip.
2. Position the filter so the top outlet is at least 1 cm below the water surface, with the venturi above the water surface (if used).
3. Firmly push the suction cups onto the aquarium glass.
4. With dry hands, plug the filter in, ensuring a drip loop is built into the cable.

## FILTER ADJUSTMENT

1. Turn the blue water control paddle located under the lid to adjust flow rate and direction.
2. Fluval U2/3/4: Water flow can be directed as follows:
  - A. Top output – for maximum circulation and oxygenation
  - B. Spray bar – a gentle flow ideal for planted aquariums
  - C. Bottom output – for deep water agitation and maximum circulation
3. Turn the blue dial on the venturi device (if used) to adjust the volume of air produced (NOTE: Air from the Venturi will only be purged from the top output)



## FILTER MAINTENANCE

**WARNING:** Disconnect the electrical plug of all appliances inside the aquarium before putting hands into the water.

It is vitally important that you regularly clean your filter media and impeller to maintain peak performance and extend your filter's life.

We recommend you follow the schedule below – you may wish to set reminders in your calendar to ensure essential maintenance is not missed. This should be part of your regular aquarium maintenance.

### IMPORTANT

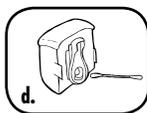
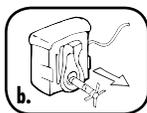
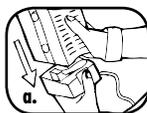
NEVER use tap water to clean filter media as this will kill the beneficial bacteria that help keep your water healthy. NEVER use soap or detergents as these can harm aquatic life. NEVER replace all filter media at once, stagger your media changes to avoid losing all beneficial bacteria.



1. Remove filter foam/s, poly-carbon cartridges and Biomax biological media and rinse in water removed from the aquarium (i.e. during a partial water change).
2. Replenish lost beneficial bacteria with a dose of Fluval Cycle Biological Supplement.



1. Remove and clean the filter impeller as follows:
  - i. Unplug the power cord and gently remove the filter from the aquarium.
  - ii. Remove the motor at the filter's base by squeezing the blue tabs and gently pulling it away from the filter (a).
  - iii. Grasp the impeller fan and gently pull it out of the impeller well (b).
  - iv. Rinse and clean the impeller and attached cylindrical magnet in clean water (never use detergents or soap) (c).
  - v. Clean the impeller well using a small brush or cotton ear bud (d).
  - vi. Reverse the above procedure to reassemble the motor.
2. Replace one poly-carbon cartridge (Fluval U2/3/4 only) and the Clean & Clear Water Cleansing cartridge/s, if used.
3. Replenish lost beneficial bacteria with a dose of Fluval Cycle Biological Supplement.



1. Replace one filter foam, adding a dose of Fluval Cycle to the new foam to kick start biological colonisation.
2. Replace half the Biomax media, adding a dose of Fluval Cycle to the fresh Biomax.

The impeller is the motor's only moving part and will wear out over time. A replacement may be ordered from your local Fluval dealer or by visiting [www.hagen.com](http://www.hagen.com). For a full listing of replacement parts please visit [www.hagen.com](http://www.hagen.com)

## 3 YEAR WARRANTY

Fluval U Series Power Filters are guaranteed against defects in material or workmanship under normal aquarium usage and service for 3 years. We offer a 3 year guarantee on all non-replaceable parts which means that the filter will be repaired or replaced at the manufacturer's discretion, free of charge, when the complete pump is returned with proof of purchase and postage paid. This warranty does not apply to any filter that has been subjected to misuse, negligence, or tampering. No liability is assumed with respect to loss or damage to livestock or personal property irrespective of the cause thereof. THIS DOES NOT AFFECT YOUR STATUTORY RIGHTS.

### FOR AUTHORIZED GUARANTEE REPAIR SERVICE:

For Authorized Warranty Service please return (well packaged and by registered post) to the address below enclosing dated receipt and reason for return.

If you have any queries or comments about the operation of this product, please let us try to help you before you return the product to your retailer. Most queries can be handled promptly with a phone call. When you call (or write), please have all relevant information such as model number, age of product, details of aquarium set-up, as well as the nature of the problem.

CANADA: Hagen Industries, Consumer Repair, 3235 Guénette, Montréal QC H4S 1N2

U.S.A.: Rolf C. Hagen (U.S.A.) Corp., 305 Forbes Blvd, Mansfield, MA. 02048

UK: Rolf C. Hagen (UK) Ltd, Customer Service Department

California Drive, Whitwood Ind Est., Castleford

West Yorkshire WF10 5QH

CALL US ON OUR TOLL-FREE NUMBER:

Canada only: 1-800-554-2436 between 9:00 a.m. and 4:30 p.m. Eastern Standard Time. Ask for Customer Service.

U.S. only: 1-800-724-2436 between 9:00 a.m. and 4:00 p.m. Eastern Standard Time. Ask for Customer Service.

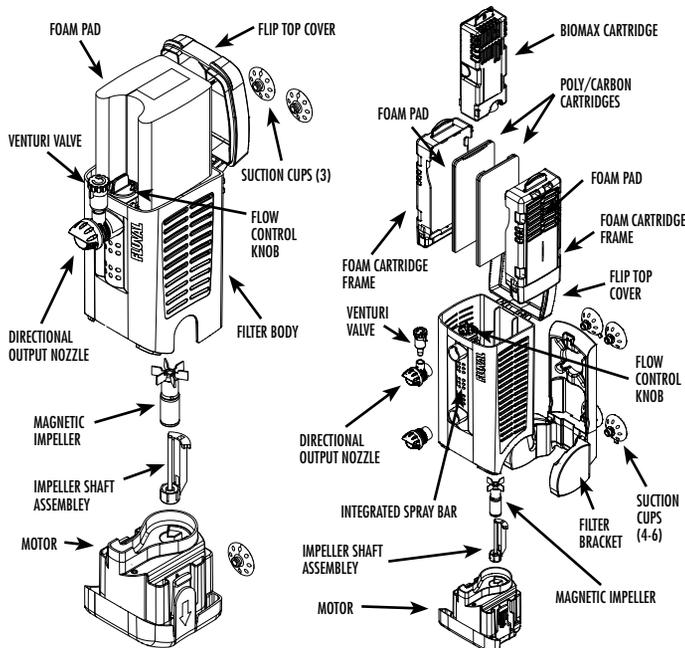
UK Only: Helpline Number 01977 521015. Between 9:00 AM and 5:00 PM, Monday to Thursday and 9:00 AM and 4:00 PM on Friday (excluding Bank Holidays)

To register your warranty on line or for more information on this and other products go to [www.hagen.com](http://www.hagen.com).

**RECYCLING:** This product bears the selective sorting symbol for waste electrical and electronic equipment (WEEE). This means that this product must be handled pursuant to European Directive 2012/19/EU in order to be recycled or dismantled to minimize its impact on the environment. Check with your local Environmental Agency for possible disposal instructions or take to an official council registered refuse collection point.



Electronic products not included in the selective sorting process are potentially dangerous for the environment and human health due to the presence of hazardous substances.



### U1 Parts

### U2, U3, U4 Parts

### REPLACEMENT MEDIA

A485 - Fluval U1 Filter Foam Pad

A481 - Fluval U2 Clearmax Cartridge (2pcs)

A486 - Fluval U2 Filter Foam Pad (2pcs)

A490 - Fluval U2 Poly/Carbon cartridge (2pcs)

A482 - Fluval U3 Clearmax Cartridge (2pcs)

A487 - Fluval U3 Filter Foam Pad (2pcs)

A491 - Fluval U3 Poly/Carbon Cartridge (2pcs)

A483 - Fluval U4 Clearmax Cartridge (2pcs)

A488 - Fluval U4 Filter Foam Pad (2pcs)

A492 - Fluval U4 Poly/Carbon cartridge (2pcs)

A495 - Fluval Biomax 170g (for Fluval U2, U3, U4)

A499 - Fluval Clean & Clear Cartridge