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广东省园艺水族器材工程技术研究开发中心
Research Center of Gardening & Aquarium Equipment Engineering of Guangdong

多项国家标准、行业标准的制订单位
The Constitutor of Multiple National Standard And Industry Standard

ISO9001 ISO14001 OHSAS18001

BOYU 博宇®

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BOYU®

INSTRUCTION MANUAL OF GARDENING PRESSURE FILTER EF-8000A

EF-8000A系列园艺生化过滤器
使用说明书



使用前请详细阅读本说明书
Please read the instruction manual detailedly before use

Thank you for purchasing BOYU Gardening Pressure filter EF-8000A. In order to safely and correctly use this product, exert its optimal performance and prevent accidents, please read this instruction manual carefully before use, and keep it properly for reference in the future.

Features

1. Latest technology design, compact structure and perfect performance. Ideal accessories and easy for use.
2. With semiautomatic cleaning system, easy for cleaning and use.
3. Free to add extra filter medias to achieve better filtration result .

Use Scope

Ideal for water filtration process to garden pond, breeding pond, and fish farms etc.

Product specification and technical data

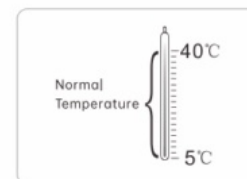
(please refer to the nameplate)

Warning:

1. Disconnect the plug of the working matching water pump when changed and maintenance .
2. The filter shall be installed at the position of which the level is higher than the pond water level. Otherwise , the

water may be flowed into the filter cover or overfill the pressure to result in any damage.

3. The filter can not installed at any place which is with high temperature, direct sun exposure. It can not be stacked by heavy subject.
4. Regularly inspect and clean the filter canister and all filter materials inside to reach a good performance.
5. The filter can not be used for flammable liquid or corrosive liquid
6. The water temperature for filter shall be among 5°C ~ 40°C



7. The max. water pressure for the filter is up to 25Kpa (same as the static pressure of 2.5m high water column) and the its cooperated water pump shall be with max. Head over 2.5 meters.
8. The appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

NOTICE**A. General Guide**

1. Read the instructions in details before use and strictly follow the "Warning" to apply the device properly.
2. Check the appearance and the accessories of the product before first use and assure there is no damage, loss, deformation and other abnormal phenomena.

B. Installation, Connection & Operation

1. The water pump and the water hose are not included in the packaging, which shall be ordered as per the client demand separately.

Users can also add appropriate amount of active carbons, ceramic rings, bio-balls and other filtering materials in the filter according to actual needs.

The water hose may be one of the types as : 1 inch (DN25, inner dia. 25mm), or 3/4 inch (DN20, inner dia. 20mm). Refer to the water flow rate on the nameplate and select an appropriate water pump of which the max. Head shall not over 2.5 meters. Pay attention to the outlet size of the water pump to be aligned with the water hose for connection.

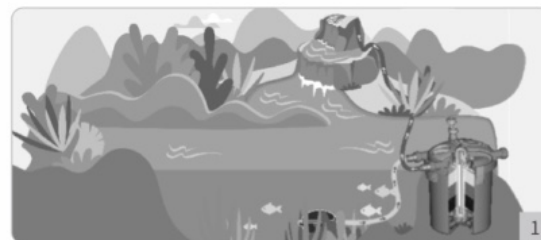
2. For first use, unlock the filter lid and filter assembly, rinse the filter medias and sponge to remove debris.
3. The filter shall be installed at the position of which the level is higher than the pond water level. Otherwise, the water may be flowed into the filter cover or overfill the pressure to result in any damage.

The canister part can be installed by buried into the ground. Valves are recommended to be used for outlet and inlet pipe connection, which may be also convenient for water adjusting and piping control.

4. The water pump which assort to the filter shall be installed inside the pond, and connect the outlet pipe to the inlet of the filter.

The outlet of the filter can be connected by water hose to pump back the water to the pond, and it can not be immersed in order to avoid big negative pressures caused by vacuum by which the water pump can be stopped.

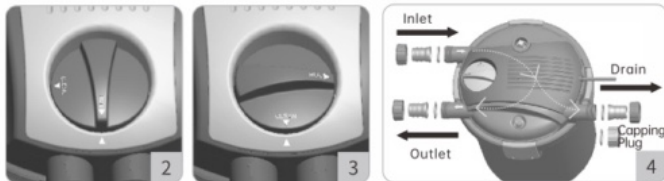
When water pipe is used, please make sure the inner diameter of the outlet pipe is close to the outlet diameter of the filter (it can not smaller than the inner diameter of the inlet pipe) It's also suggested to separate the inlet end and the outlet end at 2 different sides or at opposite position to reach the high effect of flowing cycling.



Make sure all the connecting is perfect, and in order to avoid water leakage, you may use clips to lock the joint part between hose and connector.

It's suggested to supply the water hose longer and leave more space at the area closed to the filter in case you are to move the filter. Valve are recommended to be used which may be much more convenient for any future maintenance.

- When all connections are finished, you may turn the valve of RUN-CLEAN to be the position of RUN, then the filter is under a working status(Picture 2).
- Meanwhile, you may check whether the filter lock ring is fixed tight and the piping is connected properly. After that you may switch on the water pump and start pumping the water to the filter for working.



- In case the water pump is working properly and no any water leaking on the piping connection.
- observe its working condition for 30 minutes to make sure all are under proper status. Any faults or usual , please shut down the electricity and make sure all are fixed and solved before use.

C.Periodic Cleaning.

- After used the filter for some period, sewages may be come into the filter internal from the water pump and

gather at the filter sponge which may block the water flow.

- The warning core may be raised when the filter internal are blocked by sewages, then it's a must to clean the filter , or find out whether it's the reason caused by the water pump as it's too powerful. It's suggested to clean the filter one time in every month.
- Semi-automatic cleaning process: firstly unplug the water pump. Turn the valve of RUN-CLEAN to be "CLEAN", then it's under the CLEAN status.

If all water hose, valves and connectors are preset already, you just need to turn on the valve for cleaning. If not, you may need to take off the cover of the washing outlet and connect a water hose for cleaning need.



Install the rotating handle to the filter cover, and then switch on the water pump, meanwhile rotate the handle to clean the filter.

Observe the status of the sewages from the water cleaned out, once the sewages are getting less and the water is clear, you may switch off the water pump and turn off the washing valve. Turn the valve of RUN-CLEAN to be RUN

(Picture 2) . Once all are finished , you may plug them on and observe for 30 minutes to make sure all are under proper status.

4. When it is used over 1 year, or too much dirt inside the filter, the cleaning function may not take out the dirt completely, then the manual cleaning to the internal parts shall be guided. Before cleaning, please unplug the water pump, and switch off the power. You can also consider disconnecting the water pipes and water hoses for an easy cleaning process. Remove leftwards the clip of the locking rings and press inwards the connector, meanwhile push out the connector rightwards, then it is separated and you can take off the lock ring. Hold the canister and pull upwards the filter cover and the filter sponge fixture. Pull out the shield under the mounting plate and screws out 2 screws on the mounting plate, then you can disassemble the whole filter sponge fixture (Picture 7-10). Then you can dismiss the filter sponges and the holder by screwing out 2 screws on the plate (Picture 15-18)



Only the parts inside the canister including filter sponges, bio-balls and others can be rinsed and washed.

Install all parts back to the original position after washed. Pay attention to the sealing ring to be installed in position to the groove of the canister. Clip on and lock the lid.

5. Any water leakage at water pipe, cover and connectors shall be inspected after cleaning the filter. Make sure the proper water outlet.

Maintenance

In case the filter does not work or not operate properly, please check:

1. Whether the water pumps is connected and working properly.
2. Whether there are too much dirt blocked which effect to the water flow.
3. Any water leakage or block to the water pipe/hose.
4. The filter can be only used when all faults are fixed. Please observe its working for 30 minutes to make sure all are in good and proper status.

Warranty Period

The warranty period is 1 year (the filter sponge and rubber sealing parts are excluded as consumable parts).

Exploded

View:

