

SUNSUN

A blue home for your fish

YBF SERIES

HANG-ON AQUARIUM FILTER



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Instruction Manual

SUNSUN

YBF-500 / YBF-600

HANG-ON AQUARIUM FILTER

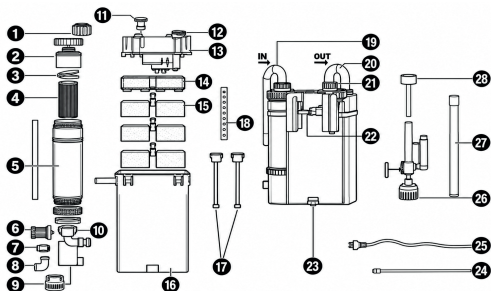
Instruction leaflet

Thank you for choosing SunSun. The YBF series hang-on filter is a patented product (patent no. ZL 2023 2 0952108.5) with a multi-stage filtration design. Read this leaflet carefully before use and keep it for future reference.

Product features

- Compact, practical design.
- Inlet and outlet components are easy to remove.
- Dry-running protection.
- Separate waste-collection chamber for easier cleaning.
- Filling port for convenient refilling during water changes.
- Adjustable flow control.
- Filter media can be arranged to suit your needs.
- Surface-skimming function to remove oily surface film.

Parts diagram



No. / Part	No. / Part
1 Waste-chamber compression nut	15 Filter pad
2 Waste-chamber top cover	16 Main canister
3 Spiral flow channel	17 Hanging bracket
4 Stainless steel screen	18 Spray bar
5 Waste-collection chamber	19 Inlet pipe
6 Drain valve	20 Outlet pipe
7 Drain outlet	21 Compression nut
8 Valve head	22 Outlet nozzle
9 Base	23 Height-adjustment support
10 Four-way connector	24 Aeration adjustment knob
11 Filling valve	25 Air tube
12 Flow-control valve	26 Bottom intake strainer
13 Motor head	27 Telescopic intake extension
14 Filter-media basket	28 Floating skimmer head

Installation and operation

- 1.** Release the latches in the direction shown in Fig. 1. Lift off the lid and separate the lid from the canister. Add the required filter media and filter pads.
- 2.** Add a suitable amount of water to the canister, refit the lid and fasten the latches. Before adding water, check that the drain valve is closed, with its arrow pointing down (Fig. 2).
- 3.** Fit the hanging brackets into the retaining slots. Position the height-adjustment support outside the canister (Fig. 4). Screw the drain outlet into the threaded fitting at the bottom of the waste-collection chamber.
- 4.** Hang the filter on the aquarium wall. Adjust the brackets and support to suit the glass thickness and keep the filter correctly positioned (Fig. 5).
- 5.** Turn the filling valve so its arrow points to the open padlock. Pull it upwards and fill through the filling port until the canister is full (Fig. 6). Turn the valve so its arrow points to the closed padlock.
- 6.** Install the inlet and outlet components (Fig. 7). Each has two configuration options: choose the appropriate arrangement (Figs. 8 and 9), then connect the power.
- 7.** Once water flows from the outlet, adjust the flow rate and the height of the telescopic outlet pipe as required. For aeration, fit the air tube and aeration adjustment knob to the outlet nozzle.
- 8.** For surface skimming, first ensure that the floating skimmer head rests on the water surface. Slowly turn the skimmer flow-control valve clockwise until water enters through the floating head.
- 9.** Check the waste-collection chamber regularly and drain it before waste builds up and hardens. Disconnect the power, then turn the drain valve 90° anticlockwise until its arrow aligns with the drain outlet (Fig. 3). After draining, return the valve to the closed position (Fig. 2). The drain outlet can also be used for water changes.

Installation figures

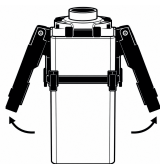


Fig. 1 - Release latches

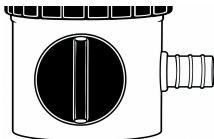


Fig. 2 - Drain closed

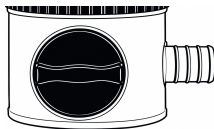


Fig. 3 - Drain open

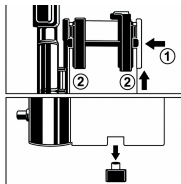


Fig. 4 - Fit brackets / support

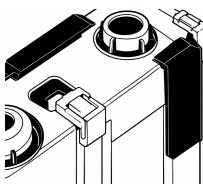


Fig. 5 - Position filter

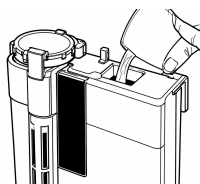


Fig. 6 - Fill with water

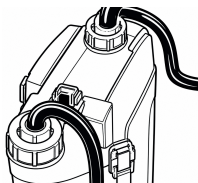


Fig. 7 - Fit pipework



Fig. 8 - Inlet options*



Fig. 9 - Outlet options*

*Fig. 8: bottom intake or surface skimming. Fig. 9: outlet nozzle or spray bar. Select one configuration for each.

Technical specifications

Model	Supply	Power	Max. flow	Dimensions
YBF-500	220-240 V 50 Hz	6 W	500 L/h	185 × 90 × 255 mm
YBF-600	220-240 V 50 Hz	8 W	600 L/h	225 × 100 × 255 mm

Precautions and maintenance

1. Ensure that the supply voltage and frequency match the ratings marked on the filter.
2. Clean the impeller assembly regularly. Clean or replace filter pads to maintain filtration performance.
3. Turning a control valve may also turn the attached pipe. Hold the pipe with one hand while turning the valve with the other.
4. Before connecting the power, ensure that the filling valve is locked to prevent air entering the filter. The drain-valve arrow must point down.
5. When using the aeration function, keep the outlet nozzle below the water surface; otherwise, air will not be drawn in.
6. Drain the waste-collection chamber every few days to prevent accumulated waste from hardening and becoming difficult to remove.

Troubleshooting

Problem	Possible cause	Remedy
Pump does not run	Power not connected	Connect the power supply.
Pump does not run	Impeller blocked	Disconnect power. Remove the obstruction, then reconnect.
Pump does not run	Motor burnt out	Replace the motor-head assembly.
Pump does not run	Canister not filled with water	Fill the canister with water, then reconnect power.
Pump does not run	Motor overheating protection activated	Disconnect power. Clear the impeller chamber and fill the canister with water. Wait 15 minutes before reconnecting.
Pump is noisy	Canister not filled with water	Fill the canister with water, then reconnect power.
Pump is noisy	Foreign object or shaft wear in the impeller chamber	Disconnect power. Remove the impeller cover and clear debris. Replace the rotor and shaft if worn.
Low outlet flow	Filter media clogged	Clean or replace the filter media.

Routine maintenance and precautions

1. Disconnect the power supply before carrying out any maintenance.
2. Clean the filter regularly; otherwise, filtration performance will decline.
3. When cleaning the filter, disassemble and reassemble it according to the operating instructions.
4. The filter must be filled with water before it can operate correctly.

Warranty registration

Please complete all details so that warranty eligibility can be verified.

Warranty card

Product model		Purchase date	
Customer name		Full address	
Postcode		Contact person	
Telephone		Retailer	

Repair / service record

Date: _____

Information for the customer

This warranty card is provided to help monitor product quality and enable timely customer service.

1. This card serves as proof of eligibility for the product warranty service.
2. The warranty period is one year from the purchase date shown on the invoice. Enter this date on the card.
3. Wear-prone components, such as the rotor, are excluded from warranty cover.
4. Damage caused by improper use or mishandling is excluded from warranty cover.

Warranty card

Dealer retained copy

Product model		Purchase date	
Customer name		Full address	
Postcode		Contact person	
Telephone		Retailer	

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