

## 1. WHY DO I NEED AN AQUARIUM FILTER?

Aquariums are a closed system and any waste or dirt produced by fish and plants remains in the water. A filter acts like a waste processing plant:

- Trapping dirt and removing dyes for crystal clear water
- Processing fish waste to create a healthy environment
- Circulating and aerating water to maximise oxygenation

### EFFECTIVE FOUR STAGE FILTRATION:

#### 1. Biological

Ceramic bioceria. Creates healthy water by acting as a home for essential bacteria.

#### 2. Mechanical

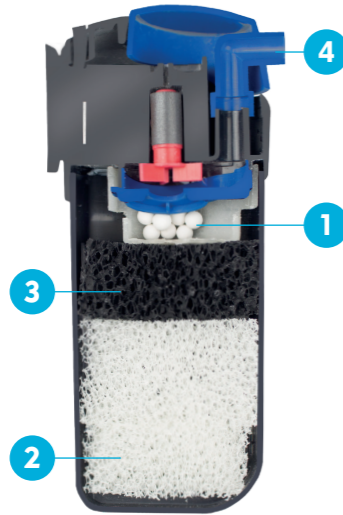
Unique bonded sponge and carbon pad. Clears water by trapping fine waste.

#### 3. Purify

Carbon removes dyes, toxins, heavy metals and odours.

#### 4. Oxygenation & Airation

Clear and healthy water returns to the aquarium.



## 2. TECHNICAL SPECIFICATION

Model	Max. Flow Rate		Power	For Aquarium Size	
	L/hr	Gal/hr		Length	Volume
PF				cm (inches)	Litres (Gallons)
PF MINI	200	44	5	up to approx. 35 (14)	5-40 (1-9)
PF1	380	83	7	up to approx. 45 (18)	36-68 (8-15)
PF2	500	110	9	up to approx. 60 (24)	45-90 (10-20)
PF3	800	176	18	up to approx. 90 (36)	82-136 (18-30)
PF4	1000	220	18	up to approx. 120 (48)	127-182 (28-40)

## 3. INSTALLING YOUR FILTER

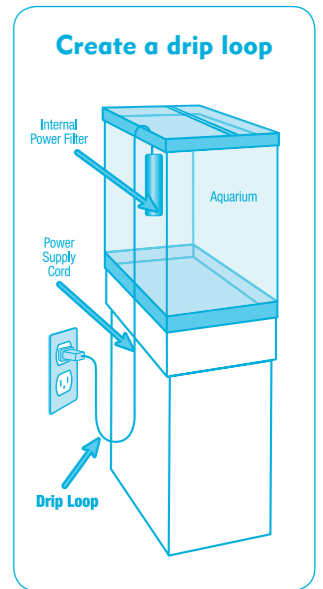
Your PF filter is set-up for immediate use

- ### PF MINI

### PF 1/2/3/4
- Add the flow deflector to the outlet nozzle of the filter.
  - Attach the suction pads to the filter cradle.
  - Clip (PF1/2/3/4) or slide (PF Mini) the filter onto the cradle, and attach to your preferred location in the aquarium.
  - Once the aquarium has been filled with water, the filter can be turned on.

### Important safety information:

To prevent any drips entering the electrical socket, create a drip loop for the filter cable as per the diagram below:



## 4. MAINTENANCE

The PF internal filter range has been designed to give high performance with minimal maintenance.

Regular maintenance however, will help to maintain the environment in your aquarium, as well as prolonging the lifespan of both your fish and the filter itself.

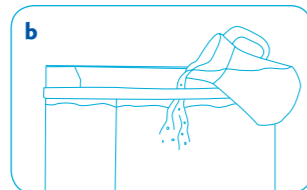
Before performing any maintenance ensure the filter has been isolated from the power supply.

#### a. Daily Care:

Ensure the filter is working correctly. Check the flow.

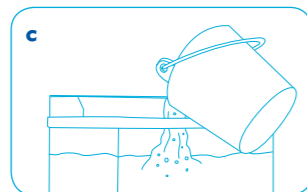
#### b. Weekly Care:

Top up aquarium for any evaporation.

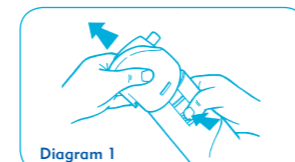


#### c. Monthly Care:

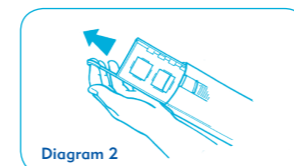
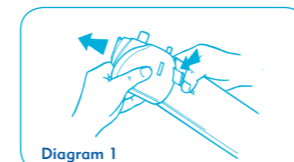
Conduct a 25% water change. Clean the foam and ceramic media in water taken from the aquarium. Replace carbon and fine filter foam.



#### PF MINI (Monthly Care)



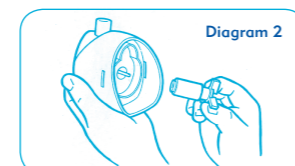
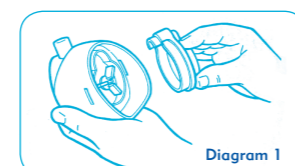
#### PF 1/2/3/4 (Monthly Care)



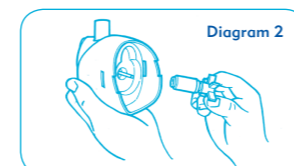
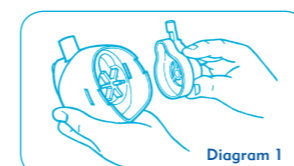
#### d. 3 Monthly Care:

Clean impeller and impeller chamber in freshwater.

#### PF MINI (3 Monthly Care)



#### PF 1/2/3/4 (3 Monthly Care)



## 5. TOP TIPS FOR A HEALTHY AND SUCCESSFUL AQUARIUM

- Select the correct number and species of fish for a balanced community.
- Care for your water; do recommended water changes, filter cleaning, water testing and take special care when adding new fish.
- Don't rush the early days, start slowly and carefully for long term success.
- Enjoy your aquarium!
- See online for further information on all aspects of keeping an aquarium and fishkeeping at [www.interpet.co.uk](http://www.interpet.co.uk).

If you are starting a new aquarium, go to [www.interpet.co.uk](http://www.interpet.co.uk) for detailed information and support on correctly introducing fish, water changes and testing your water quality.

**Top tip...** The inbuilt Aquavalue on the PF 1, 2, 3 & 4 prevents waste from draining back into the aquarium when the filter is removed.



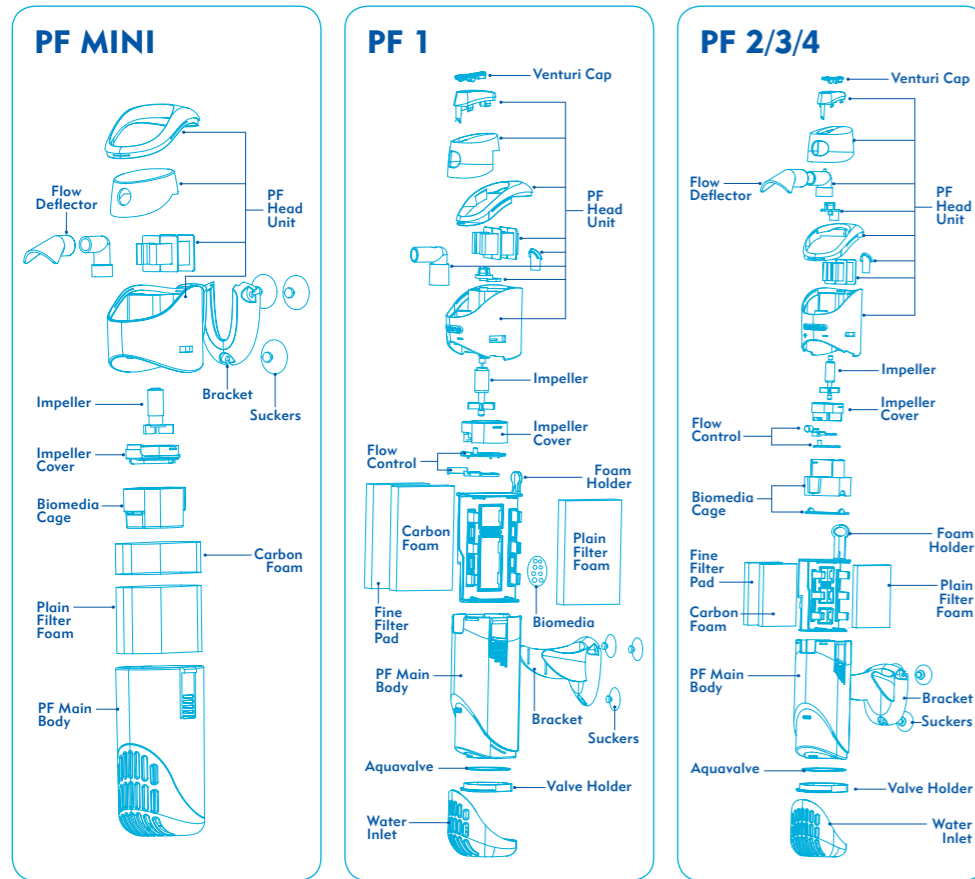
Interpet has applied over 65 years of aquatic experience to ensure every element of the design of this product has been carefully considered to help you enjoy aquarium keeping.

Email: [customercare@interpet.co.uk](mailto:customercare@interpet.co.uk)

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# GETTING TO KNOW YOUR PF FILTER



Part:	Spares code:
Flow deflector	PF Mini: n/a PF1: 2186 PF2/3/4: 2198
PF head unit	n/a
Venturi cap*	n/a
Impeller	PF Mini: 2181 PF1: 2187 PF2: 2199 PF3: 2212 PF4: 2213
Bracket	n/a
Suckers	PF Mini: 2183 PF1: 2194 PF2/3/4: 2206
Impeller cover	Mini: 2181 PF1/2/3/4: n/a
Flow control*	n/a
Biomedica cage**	n/a
Fine floss and carbon pad	PF Mini: 3532 PF1: 3533 PF2: 3534 PF3: 3535 PF4: 3536
Foam holder*	n/a
Plain filter foam	PF Mini: 3532 PF1: 2232 PF2: 2234 PF3: 2236 PF4: 2238
PF main body	n/a
Aqua Valve*	PF1: 2189 PF2/3/4: 2216
Valve holder*	n/a
Water inlet	n/a

\* not available on PF Mini  
\*\* not available on PF1

This product is guaranteed as free from defects in materials and workmanship for a period of 3 years from the date of purchase. This guarantee covers only any defects caused during normal use and operation of the filter, in accordance with the instructions enclosed.

It does not apply to any unauthorised modifications or misuse, improper or inadequate maintenance, or operations outside the product specifications. In case of defect within the stated warranty period, the product should be returned. This guarantee does not affect your statutory rights. Guarantee service includes repair or replacement of the filter at Interpet Ltd.'s discretion. Neither Interpet nor the manufacturer are liable for any direct, indirect, special, incidental or consequential damages, including loss of livestock, arising from a defect in this product.

## GUARANTEE

## TROUBLESHOOTING

### Problem 1: PF Flow rate drops considerably.

**Solution:** Check for blockages to the filter inlets. Ensure fibrous material such as plant matter has not formed an obstruction. Remove the filter foam carrier and clean the foams if blocked. If the foams have lost their shape, they may be fully blocked and may need replacing. If this does not solve the issue, check the impeller. (see problem 2)

### Problem 2: PF Filter is noisy

**Solution 1 (not PF Mini):** First, please be aware that operating the venturi will create unavoidable noise as air is forced into the water flow under pressure. If the noise is disturbing, the venturi can either be turned down, or the filter can be sited lower in the aquarium to submerge the venturi. In this instance, use the flow deflector to ensure the water flow ripples the surface of the aquarium to ensure adequate aeration of the aquarium.

**Solution 2:** Check the impeller. The impeller should be carefully removed and cleaned using a soft cloth. A small brush or cloth may be inserted into the impeller chamber, removing debris inside. Once the impeller has been cleaned the magnet should be inspected for any damage such as cracks or pieces missing. If the impeller magnet is damaged in anyway, the impeller should be replaced.

### Problem 3: Air flow (venturi) slows or stops (not PF Mini)

**Solution 1:** Ensure the venturi is not submerged. It can only work if the venturi inlet is above the water surface.

**Solution 2:** Ensure there are no blockages in either the pump outlet or the venturi pipe. Venturi failure is usually caused by poor flow from the pump. This may be caused by either a blockage in the impeller chamber, or by blockages in the filter body. If the latter is the case, it is suggested that you clean the inside of the filter body, washing all the foams thoroughly in aquarium water. If the foams have lost their shape due to prolonged use, they will need replacing.

### Problem 4: Powercut

**Solution:** Any interruption of more than 2-3 hours of the water supply through the filter will cause the beneficial bacteria in the filter to begin to die off. Should this occur, do not simply re-start the filter. It is advised to clean all of the filter media and start the filter again. In an aquarium fully stocked with fish, this may lead to water quality problems. The filter should be seeded with a bacteria product such as Interpet Fast Filter Start. Regular checks should be made on the ammonia levels - using Interpet Complete Aquarium Dip Test Kit, if they reach detectable levels, we would recommend the use of Interpet Ammonia Remover.

### Problem 5: Water will not stay crystal clear

**Solution:** If the aquarium does not contain large, messy fish it is recommended that you add an Interpet PF fine filter pad (not available for the PF Mini). This can be placed next to the carbon foam so that the water passes through the plain foam and carbon foam before going through the fine filter pad. Additionally you may consider using Interpet Quick Clear which clumps fine particles together, allowing the filter media to remove it more effectively. Additionally it may be worth considering reducing feeding levels for 2-3 days and ensure you are performing regular water changes.

If you encounter an issue which is not documented here you should seek advice from the Interpet Customer Care department:

E-mail: [customercare@interpet.co.uk](mailto:customercare@interpet.co.uk)

## SAVE THESE INSTRUCTIONS



This symbol on the product or on its packaging indicates that the product must not be disposed of with normal household waste. Instead, it is your responsibility to dispose of your waste equipment by arranging return to a designated collection point for the recycling of waste electrical and electronic equipment. By separating and recycling your waste equipment at the time of disposal you will help to conserve natural resources and ensure that the equipment is recycled in a manner that protects human health and the environment. For more information about recycling the product, please contact your local city office, your household waste disposal service or the shop from where you purchased the product.

Disposal of used Electrical and Electronic Equipment (applicable in the European Union and other European countries with separate collection systems):

This is for indoor use only - do not use outside. Do not use this unit if the cable or plug are damaged or appear to be malfunctioning, or if it dropped or damaged in any manner. Do not use if the plug gets wet. Refer to section 3. Installing your filter, to find out how to create a drip loop. Dispose of responsibly when any appliance is used by or near children. Do not install or store the appliance where it will be exposed to the weather or to temperatures below freezing point. If an extension cord is necessary, a cable rated with a proper rating should be used. A cable rated for less amperes or watts than the appliance rating may cause the product to overheat. Care should be taken to arrange the cable so that it will not be tripped over or pulled.

**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 service facility for servicing, or discard the appliance.

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

## IMPORTANT SAFEGUARDS

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

### Filter Media

- Plain filter foam and carbon with bonded fine floss available for all sizes.



### Bioactive Tapsafe Plus

A unique and advanced formulation developed in conjunction with global leaders in Biotechnology. It removes chlorine, chloramines and heavy metals and this in turn even allows hot tap water to be used as part of a water change mix. An Aloe Vera protective colloid within Tapsafe creates a barrier around the fish's delicate skin and gill membranes. As an added feature it also adds a culture of bacteria and enzymes that consume any excess biological waste in the aquarium and boosts filter performance.



### Aquarium Dip Test Kit

Quick and easy water testing

Essential tests for:

- Ammonia • Nitrite • Nitrate
- pH • Water hardness (KH & GH)



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# Internal power filter

PF MINI, PF1, PF2, PF3 and PF4

## Quick Start Guide

LIFE SUPPORT  
FOR COLDWATER OR  
TROPICAL AQUARIUMS

