

# Deltec®

## ***Fleece Filter VF 5000, VF 8000***

**Operating instruction**



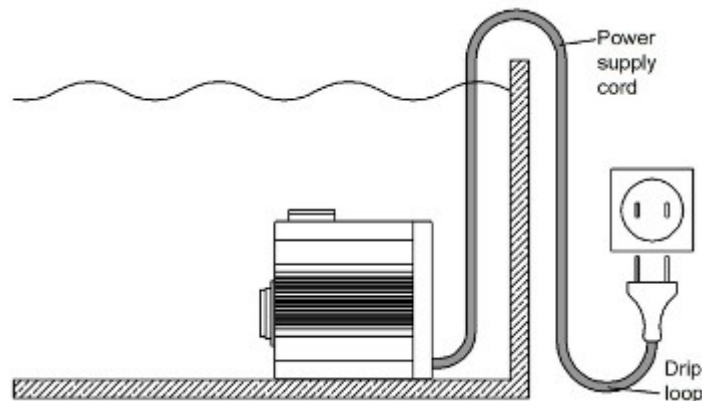
# IMPORTANT SAFETY INSTRUCTIONS

WARNING To guard against injury, basic safety precautions should be observed, including the following.

- 1) READ AND FOLLOW ALL SAFETY INSTRUCTIONS.
- 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 by yourself; return the appliance to an authorized service facility for service or discard the appliance.
  - a) Do not operate any appliance if it has a damaged cord or plug, or if it is malfunctioning or has been dropped or damaged in any manner.
  - b) For added safety, all electric devices must be connected to a RCD (Residual Current Device).
  - c) To avoid the possibility of the appliance plug or receptacle getting wet, position aquarium stand and tank to one side of a wall-mounted receptacle to prevent water from dripping onto the receptacle or plug.

A "drip-loop", shown in the figure below, should be arranged by the user for each cord connecting an aquarium appliance to a receptacle. The "drip-loop" is that part of the cord below the level of the receptacle, or the connector if an extension cord is used, to prevent water travelling along the cord and coming in contact with the receptacle.

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 the receptacle



- 3) Close supervision is necessary when any appliance is used by or near children.
- 4) Do not use an appliance for other than intended use. The use of attachments not recommended or sold by the appliance manufacturer may cause an unsafe condition.
- 5) Make sure an appliance mounted on a tank is securely installed before operating it.
- 6) Read and observe all the important notices on the appliance.
- 7) If an extension cord is necessary, a cord with a 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.
- 8) This appliance has a polarized plug (one blade is wider than the other). As safety feature, this plug will fit in a polarized outlet only one way. If the plug does not fit, contact a qualified electrician. Never use with an extension cord unless plug can be fully inserted. Do not attempt to defeat this safety feature.

*Exception: This instruction may be omitted for an appliance that is not provided with a polarized attachment plug.*

Removing of the plug invalidates the warranty!  
SAVE THESE INSTRUCTIONS

# Fleece Filter VF 5000, VF 8000

## 1. Intended use

The fleece filters VF 5000 and VF 8000 are intended for use in external filter sumps and serve to clean the water from the aquarium. Fleece filters of the VF series can be operated in fresh or marine water.

## 2. Misuse of the filter

Other uses are not possible with these filters.

## 3. Assembly and installation of the filter

The fleece filter can be taken out of the packaging and is immediately ready for use. The filter is set up in the filter sump. When setting up the filter, make sure that the filter is level, straight and stable. It's also possible to "hang on" the filter on the sump wall. The water level in the filter sump can be taken from the technical data listed below. The water can be supplied directly from the aquarium return, via a bypass or via a separate pump (not included).

## 4. Starting up the filter

Connect the pump to the mains. The water is now pumped into the filter. Deltec fleece filters clean the aquarium water by binding the coarse dirt in a fleece. If this fleece is so dirty that not enough water can pass through it, the water level in the unit rises and a float switch starts the motor, which continues to turn the fleece roller until enough water can pass through the now clean fleece. The emergency overflow also ensures that the water is discharged in a controlled manner if the water level in the filter should rise, e.g. due to a failure of the main feed pump.

The highest efficiency is achieved with a water level at the lower edge of the viewing window. Care must be taken that the maximum water flow is not exceeded.



Wall holder "Hang on"

Optimal water level

## 5. Technical data

	VF 5000	VF 8000
Dimension mm	340 x 215 x 500	340 x 275 x 500
Water flow max. litre	5000	8000
Water inlet connection mm	32	32
Water level sump mm	170-220	170-220
Roll width mm	120	180

## 6. Fault finding

Malfunction	Cause	Remedy
Loud water noise	Water level in the sump too low	water higher up
Clean fleece roll runs hard	Roll has become wet	Replace or dry wet roll if necessary
Dirty fleece roll runs hard or not at all	Dirt roll is too wet and therefore too heavy	Cut through the fleece, remove the dirt roll and thread the fleece back in.
The roll do not continue to rotate despite dirt	Float switch is jammed	Remove jam
	The fleece has jammed	Loosen jam
The fleece does not get dirty	No or much too little water supply	Check water supply and increase if necessary

## 7. Removing the motor



## 8. Different types of water connection



## 9. Roll Installation



**Take a new fleece roll and fix the roll with O-rings on the tube**



**Remove the screw, then remove the water inlet diffuser**



**Remove the fleece holder and then insert the fleece roll**



**Make sure the roll is fully insert, then thread the fleece between the strut and the housing**

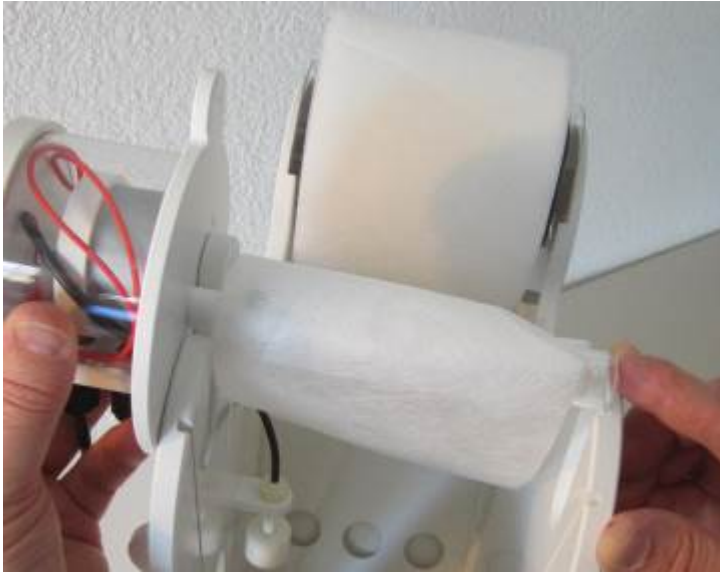


**Shaped fleece together and fit into take-up tube**

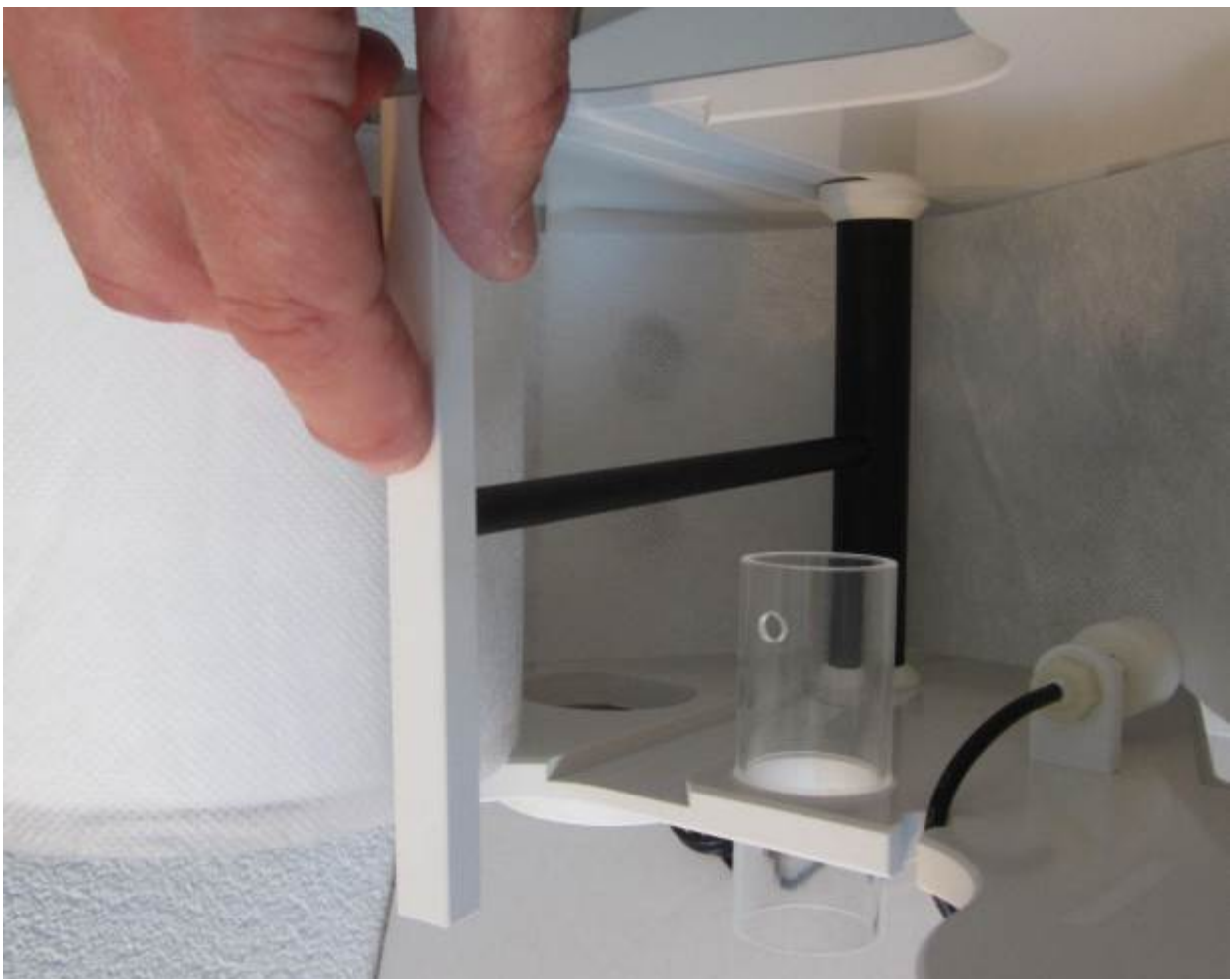


**Wrap fleece in 3-4 layers and connect the take-up tube with the motor**

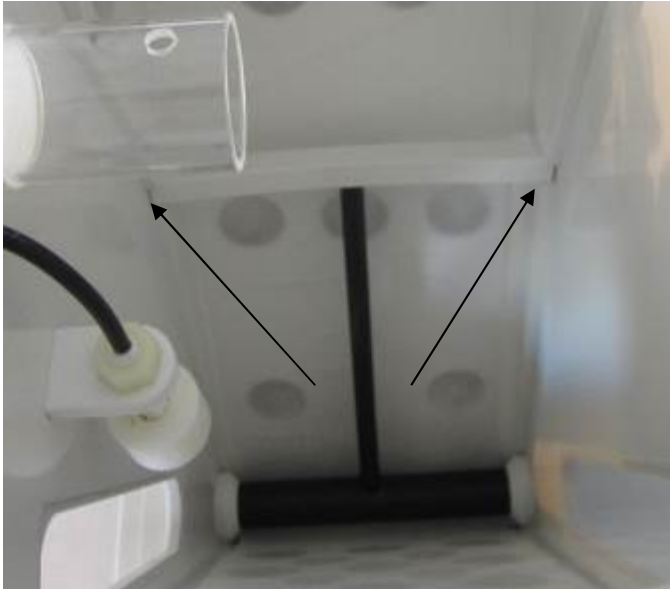




**Insert the take-up roll in the housing and fix the motor with the screw**



**Press the fleece down with the fleece holder**



**Fit the handle into the holder, then fit the water inlet diffuser**

**The fleece filter is now ready for use**

## 10. Removing the dirty roll



**Remove the screw and lift out the roll**



**Disconnect motor and take-up tube, then press tube to one side out.**



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Deltec GmbH 04/2021

# **EC - Declaration of Conformity**

## **According to EC Machinery Directive 2006/42/EC, Annex**

We hereby declare that the following machine

Product: Fleece filter  
Types: Deltec VF 5000 and Deltec VF 8000  
Year of manufacture: from 2021  
Serial number: 2000 ff

complies with the basic health and safety requirements of the following EC directives due to its design and construction in the version placed on the market by us:

Machinery Directive 2006/42/EC

Authorised representative for the compilation of the technical documentation:

Dipl.-Ing. Frank Wiercioch, in-house

The declaration of conformity was issued for:

Deltec GmbH  
Steller Strasse 75  
27755 Delmenhorst  
Deutschland

Delmenhorst, den 28.04.2021

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(Jan Erik Nels, Managing Director)