



FVC 5005 EC



FVC 5010 EK

# Submersible Garden Pump

## USER'S MANUAL

**Thank you for purchasing this pump. Before you start using it, please, carefully read this user's manual and save it for possible future use.**

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# 1. GENERAL SAFETY INSTRUCTIONS

## Important safety notice

- ✿ Carefully unpack the product and take care not to throw away any part of the packaging before you find all the parts of the product.
- ✿ Read all warnings and instructions. Not following warnings or instructions may lead to injury by electrical shock, a fire and/or serious injuries.

**⚠ ATTENTION!** Protect yourself against electrical shock!

## Packaging

The device is located in a package that prevents damage during transport. This package is a resource and so can be handed over for recycling.

## Instructions for use

Before you start working with the pump, read the following safety instructions and user's manual. Learn about all parts and the correct use of the device. Keep the user's manual in a safe place where it can be easily retrieved for future use. If you hand over the device to somebody else, do so together with the user's manual. Following the instructions in the included user's manual is a prerequisite for safe use of the garden appliance. The user's manual also contains operating, maintenance and repair instructions.

**📖 NOTE:** If you hand over the appliance to somebody else, do so together with this user's manual. Following the instructions in the included user's manual is a prerequisite for the proper use of the appliance. The user's manual also contains operating, maintenance and repair instructions.

## Electrical safety

The pump can be connected to any power plug installed according to given norms.  
The plug must be powered at 230 V ~ 50 Hz.

**⚠ ATTENTION!** Important for the protection of your personal safety. Before first starting your new submersible pump, have a professional check the following items:

- Grounding
- Neutral conductor

The current circuit breaker must conform to energy safety norms and must function perfectly.

The electrical connection must be protected against moisture.

If there exists a danger of the electrical connection being flooded, it must be moved higher.

Under all circumstances prevent the circulation of aggressive liquids and coarse materials.

The submersible pump must be protected against frost.

The pump must be protected against running empty.

Prevent children from accessing parts of the pump by appropriate measures.

**The manufacturer takes no responsibility for accidents or damages resulting from not following the instructions in this manual.**

## 2. DESCRIPTION OF THE GARDEN APPLIANCE AND INCLUDED CONTENTS

### Description of the garden appliance (see Fig. 1)

1. Pump body
2. Power cord
3. Hose connection - 1" or 2"
4. Automatic on/off switch



## 3. OPERATING INSTRUCTIONS

### Purpose of use

- ✿ This pump may be used at any time to transfer water from one location to another.
- ✿ The appliance is intended for private household use and is not suitable for professional applications.
- ✿ It is not suitable for work with waste water in sewage systems, salt water, aggressive or easily combustible substances, for work in food processing or as a pump for water jets on garden ponds.
- ✿ It is not designed for pumping drinking water!

 **NOTE:** Before using the submersible pump, please first carefully read all the safety and operating instructions for the pump. Only after reading these instructions will you be able to safely and reliably use all the functions of the pump. You must conform to all local regulations in force in your country. These regulations are effective together with the particulars specified in these instructions.

 **ATTENTION!** If you will be using the pump near pools or garden ponds, or in their protective zone, the electrical grid must be equipped with a circuit breaker.  
The pump must not be used, if there are people in the pool or garden pond! Also do not use it if there are fish or other living creatures in the pool or garden pond.  
The submersible pump is designed to pump water at a maximum temperature of 35 °C.  
The pump must not be used for other liquids, particularly motor oils, cleaning agents and other chemical products!

## 4. PUTTING INTO OPERATION

 **ATTENTION!** You should never install the pump by hanging it on the outlet hose or power cord without additional support.

The submersible pump must be suspended by the handle or it must be placed on the bottom of the tank.

For the pump to function correctly, the pumped liquid must not contain foreign objects that are larger than specified in the overview of technical parameters.

After carefully reading these instructions you can prepare your pump for operation, however, keep the following points in mind:

- ✿ Check that the pump is standing on the bottom of the tank or that it is suspended by the handle.
- ✿ Check that the outlet hose has been attached correctly.
- ✿ Ensure that the moisture from the water can never get to the electrical power source.
- ✿ Prevent the pump from running empty.

### Automatic / manual pump switching function setting (Fig. 2)

Pump switching can be set to either automatic or manual mode.

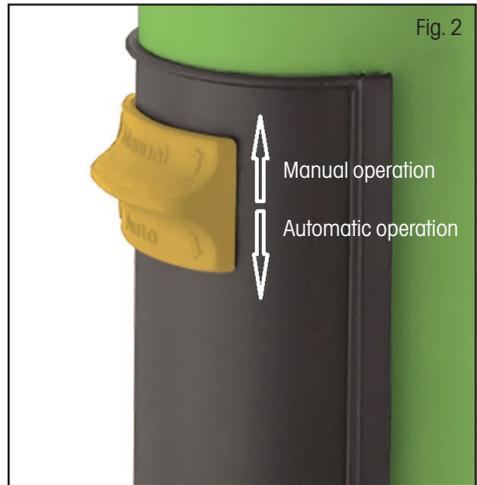
The setting is made using a switch, see Fig. 2.

When the automatic switching mode is set, the pump is turned on and off by an integrated float switch.

When the manual switching mode is set, the pump is turned on and off by connection or disconnection to the power grid.

**⚠ ATTENTION!** The pump must not run dry.

**⚠ ATTENTION!** Risk of dry running – The pump is cooled using the pumped liquid. In the event of dry running, the pump motor may burn up.



## 5. MAINTENANCE AND STORAGE

This submersible pump is approved as a maintenance-free product undergoing several final inspections. We recommend you perform regular inspections and maintenance, which will ensure a long lifetime and continuous performance.

**⚠ ATTENTION!** Disconnect the power source before performing any maintenance.

### Maintenance

- ✿ If the pump is regularly moved during operation, it should be rinsed out after each use with clean water.
- ✿ If the pump is permanently installed, the working order of the float switch should be checked every 3 months.
- ✿ Any fibrous deposits that could deposit themselves inside the pump, should be removed using a water current.
- ✿ If an excessive amount of debris accumulates in the body of the pump, flush the pump out with clean water.

### Storage

- ✿ Store the thoroughly cleaned out pump in a dry place out of children's reach.

## 6. WHAT TO DO "WHEN..."

When...	Causes	Repairs
The pump does not start	No power supply	Check the power supply
	The float does not switch	Check that the float switch is not jammed
Not flowing	The suction sieve is clogged	Flush out the suction sieve with a current of water
	The pressure hose is bent	Straighten the hose
The pump does not turn off	The float cannot fall lower	Check that the float switch is not jammed
Insufficient flow	The suction sieve is clogged	Clean the suction sieve
	Lowered pump capacity due to dirty and silted water	Clean the pump and flush the hose with clean water
The pump turns off after a short time	The temperature fuse stops the pump due to dirty water	Disconnect the power plug. Clean the pump and the pumping pit
	The water is too hot. The temperature fuse stops the pump	Check that the maximum water temperature of 35 °C is not exceeded

### **NOTE: Not covered by warranty:**

-  Damage to the rotating mechanical gasket caused by running the pump empty, or by foreign objects in the water
-  Blocking of the running wheel by foreign objects
-  Damage during transport
-  Damage caused by unprofessional alterations by persons

## 7. TECHNICAL SPECIFICATIONS

	<b>FVC 5005 EC</b>	<b>FVC 5010 EK</b>
Voltage/Frequency	230 V ~ 50 HZ	230 V ~ 50 HZ
Power input	550 W	750 W
Maximum transferred amount	9,500 l/h	13,000 l/h
Maximum delivery	8 m	9 m
Maximum submersible depth	7 m	7 m
Maximum temperature of the media	35 °C	35 °C
Maximum size of solid particles in the media	3 mm	16 mm
Maximum pressure	0.8 bar	0.9 bar
Weight	4.6 kg	5.0 kg

## 8. DISPOSAL

### INSTRUCTIONS AND INFORMATION REGARDING THE DISPOSAL OF USED PACKAGING MATERIALS

Dispose of used packaging material at a site designated for waste in your municipality.



The appliance and its accessories are manufactured from various materials, e.g. metal and plastic.

Take damaged parts to a recycling centre. Inquire at the relevant government department.



This appliance meets all the basic requirements of EU directives related to it.

Changes in the text, design and technical specifications may be made without prior notice and we reserve the right to make these changes.

User s manual in the original language.

## 9. DECLARATION OF CONFORMITY

**FAST**<sup>®</sup>

**FAST ČR, a.s.**  
 Černokostecká 1621, 251 01 Říčany u Prahy, Czech Republic  
 tel.: 323 204 111, fax: 323 204 110

**DECLARATION OF CONFORMITY****Manufacturer:**

FAST ČR, a.s.  
 Černokostecká 2111, 100 00 Praha 10, Czech Republic  
 VAT no: CZ26726548

**Product / brand:** Wastewater submersible Pump/ FIELDMANN

**Type / model:** FVC 5005 EC as factory model Q1CP-550K  
 FVC 5010 EK as factory model Q1DP-750K  
 230V AC, 50Hz/ 550W /750W

**The product is inline with directives and regulations listed below:**

EC Directive for low voltage electrical equipment No.2014/35/EU  
 EC Directive for Electromagnetic Compatibility (EMC) No.2014/32/EU  
 EC Directive for Noise 2000/14/ES  
 EC Council Directive 2006/42/EC Machinery

**and norms:**

EN 60335-1:2012+A11  
 EN 60335-2-41:2003+A1+A2  
 EN 62233:2008  
 EN 55014-1:2006+A1+A2  
 EN 55014-2:1997+A1+A2  
 EN 61000-3-3:2014  
 EN 61000-3-2:2013  
 AfPS GS 2014:01

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**Place of issuance:** Prague

**Name:** Ing. Zdeněk Pech  
 Chairman of the Board

**Date of issuance:** 27. 4. 2016

**Signature:**

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