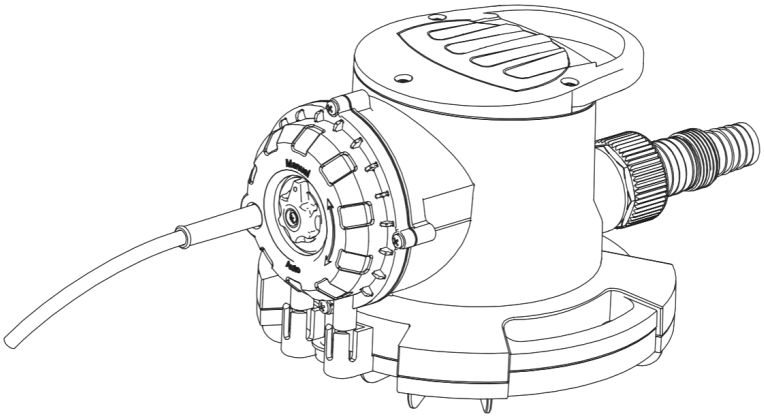
WATER HOUSE®
Pumps & Garden

POOL COVER PUMP

WD-PC-400A

Automatic & manual operation · 400 W · 7 000 L/h



INSTRUCTION MANUAL

Read these instructions carefully before use and keep them for future reference.

WELCOME

Introduction

Thank you for purchasing the Waterhouse **WD-PC-400A Pool Cover Pump**.

Before using the pump for the first time, read this manual carefully and follow all of its instructions. Read it before installing, operating or servicing the pump so that you understand its uses, limitations and potential hazards, and keep it in a safe place for future reference. Failure to follow these instructions may result in serious injury, death or damage to property.

Intended use

- The pump is designed to remove standing water from pool covers. It can also be used as a general-purpose submersible pump.
- Suitable for non-potable water containing soft particles up to 5 mm in size.
- Do not use it to pump corrosive, flammable or explosive liquids, or thick mud and sludge.
- The temperature of the pumped liquid must not exceed 35 °C.
- For household use only. Not suitable for commercial or industrial use.
- The manufacturer accepts no liability for damage caused by improper use or incorrect operation.

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IMPORTANT

Safety instructions

DANGER – RISK OF ELECTRIC SHOCK
Failure to follow these safety instructions may result in fatal injury.

1. Connect the pump to a dedicated circuit with a properly earthed socket outlet supplying 230 V ~ 50 Hz.
2. Protect the power supply with a residual current device (RCD / earth leakage unit) with a rated tripping current not exceeding 30 mA.
3. Electrical connections must be made by a qualified electrician in accordance with the applicable national wiring regulations.
4. Never use the power cord to carry, pull or move the pump. Do not run the cord over sharp edges or allow it to be crushed, as a damaged cord can cause a fatal electric shock.
5. Check the power cord and plug for damage before each use. If the cord is damaged, it must be replaced by an authorised service agent or a similarly qualified person in order to avoid a hazard.
6. To avoid hazards, all repairs and replacement of parts must be carried out by authorised service personnel only.
7. Do not use the pump for chemicals or corrosive liquids, which can damage the housing and cause an electrical short circuit. Never pump petrol or other liquids with a low flash point, as this may cause a fire or explosion.

IMPORTANT

Safety instructions

8. This pump must not be used by persons with reduced physical, sensory or mental capabilities, or a lack of experience and knowledge, unless they are supervised or have been instructed in its safe use and understand the hazards involved.
9. Children aged 8 years and older may use the pump only under supervision, or if they have been instructed in its safe use and understand the hazards involved. Children must not clean or maintain the pump without supervision, and must not play with it.
10. Do not let the pump run dry for extended periods. Running without water can damage the housing and cause an electrical short circuit.
11. Always unplug the pump from the mains before cleaning or servicing it.
12. Never operate the pump while people are in the water.
13. Do not use the pump when temperatures are below freezing. Remove it and store it in a frost-free place, as ice can crack the housing and cause an electrical short circuit.

In the box

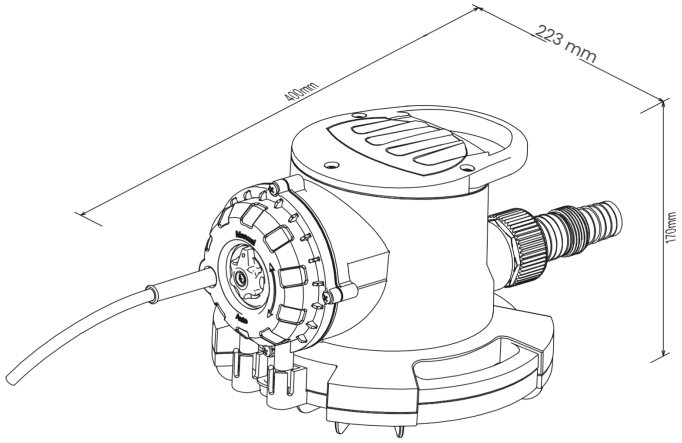
- Pool cover pump with power cord
- Adapter
- Hoisting rope (7.5 m)
- Check valve (non-return valve)
- Hose connector
- Instruction manual

PRODUCT DATA

Technical specifications

Model	WD-PC-400A
Rated voltage / frequency	230 V ~ 50 Hz
Rated power	400 W
Rated current	1.7 A
Max. delivery head	7 m
Max. flow rate	7 000 L/h
Max. immersion depth	7 m
Max. particle size	5 mm (soft particles only)
Max. liquid temperature	35 °C
Operating modes	Automatic / manual
Hoisting rope	7.5 m (included)
Recommended hose length	7.5 m

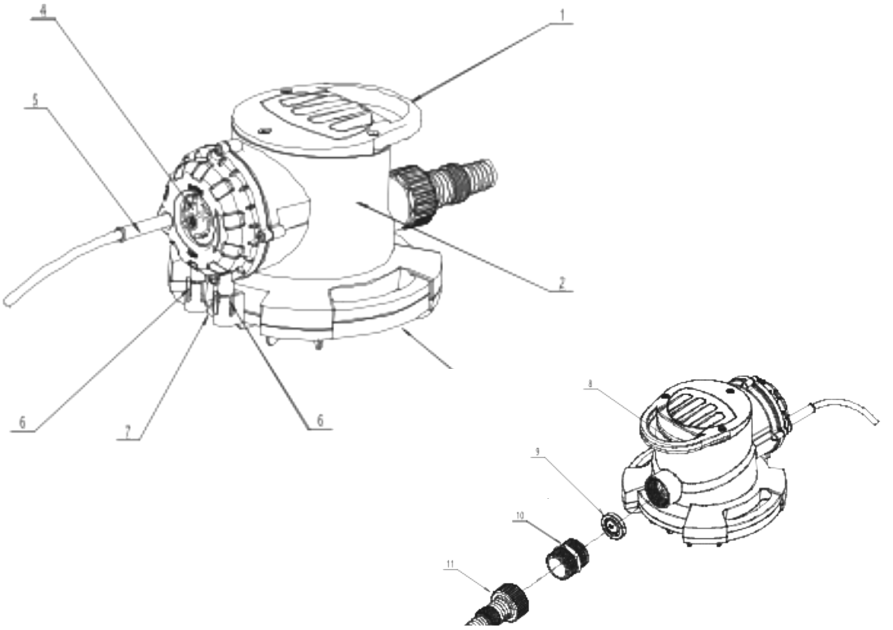
Dimensions



RISK OF DAMAGE TO THE PUMP
The maximum particle size applies to soft particles only. Do not pump gravel, stones or other hard particles.

KNOW YOUR PUMP

Product overview

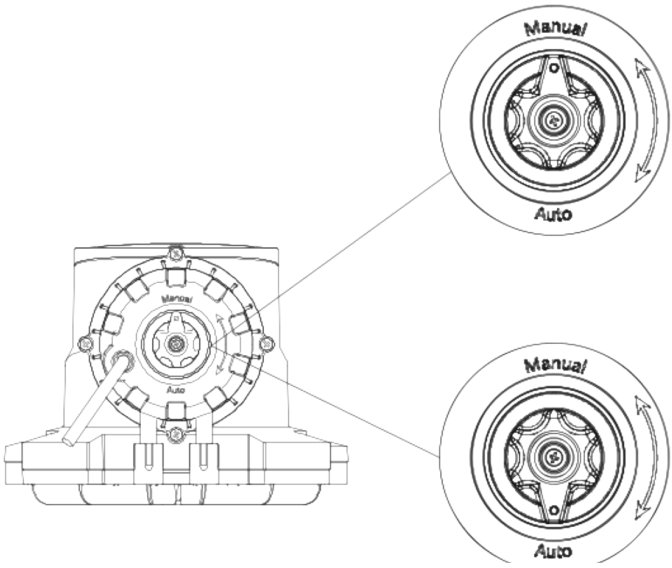


1. Handle
2. Pump body
3. Base
4. Mode selector knob (Auto / Manual)
5. Power cord
6. Water level sensor pins (2)
7. Rope attachment lug
8. Air vent
9. Check valve (non-return valve)
10. Adapter
11. Hose connector (outlet)

Accessory: hoisting rope (7.5 m)

AUTO / MANUAL

Operating modes



Manual mode

1. Turn the knob to the **MANUAL** position.
2. Plug in the power cord.
3. The pump starts after a delay of approximately 1 second and runs continuously until it is unplugged.

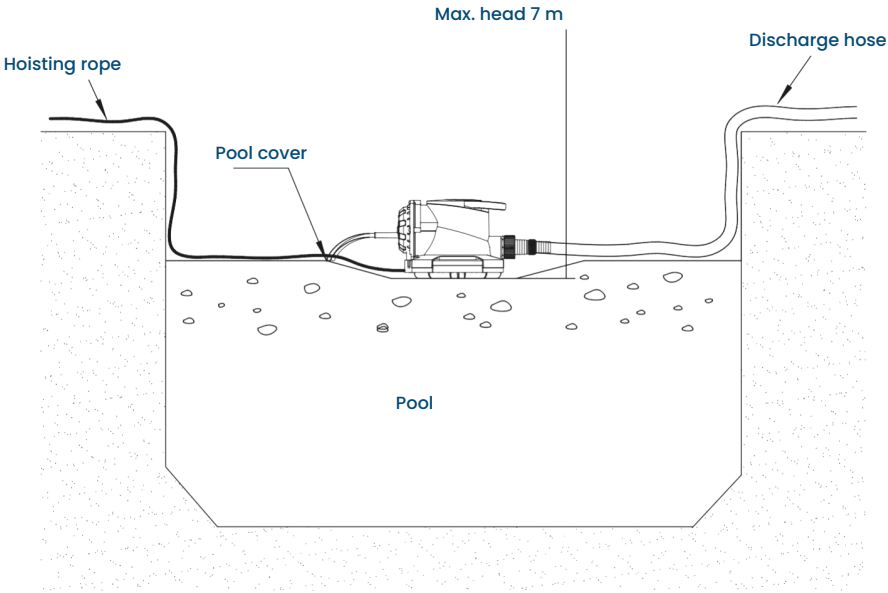
> **i** In manual mode the pump does not switch off by itself. Do not leave it unattended, so that it cannot run dry.

Automatic mode

1. Turn the knob to the **AUTO** position.
2. Plug in the power cord.
3. When the water reaches the sensor pins, the pump starts after approximately 1 second. Once the water level has stayed below the sensor pins for 1 minute, the pump switches off automatically. The cycle repeats whenever the water level rises again.

HOW IT IS USED

Application



PURPOSE

The pump is designed mainly to remove standing water from pool covers.

PLACEMENT

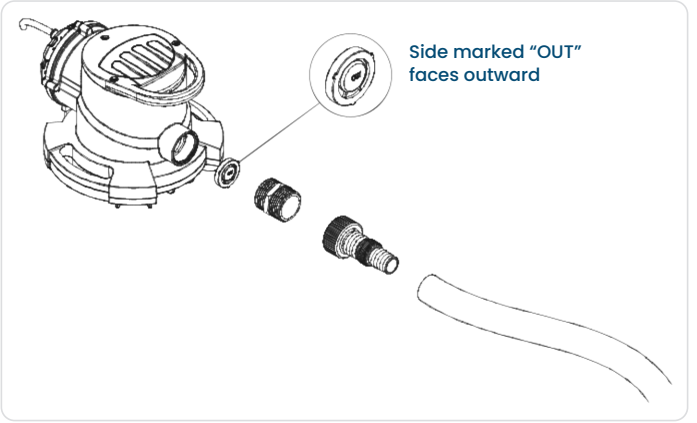
Place the pump where water collects, at the centre of the pool cover. The water is drained off the cover through the connected discharge hose.

STEP-BY-STEP

Installation

STEP 1 Fit the check valve and hose

Insert the check valve into the threaded outlet of the pump body, screw the adapter and hose connector onto the outlet, then connect the discharge hose and secure it with a cable tie.



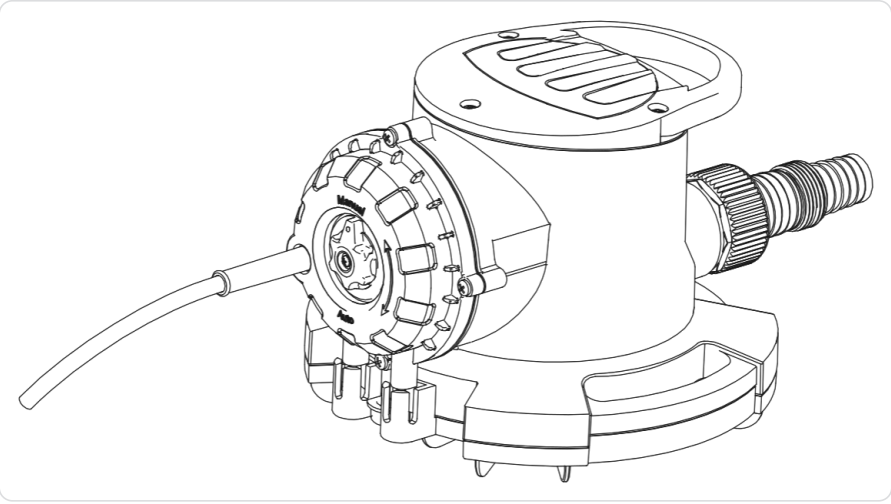


IMPORTANT
The side of the check valve marked “OUT” must face outward, away from the pump.

Installation

STEP 2 Attach the hoisting rope

Thread the supplied hoisting rope through the rope attachment lug on the base and tie it securely.



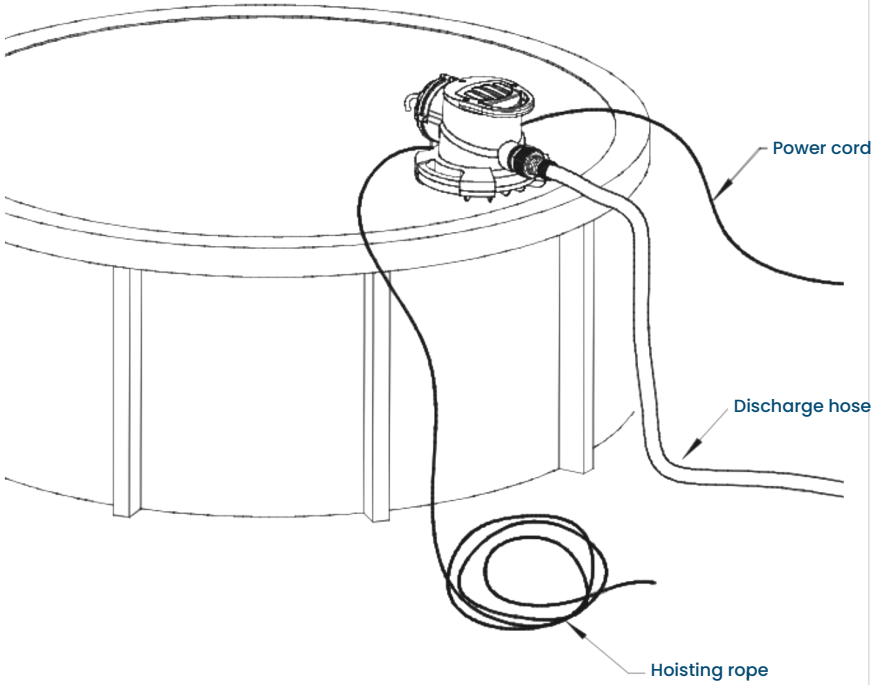
CAUTION

Tie the rope so that it does not touch the water level sensor pins. Otherwise the pins may be damaged when the pump is pulled into position.

STEP-BY-STEP

Installation

STEP 3 Place the pump on the edge of the pool cover



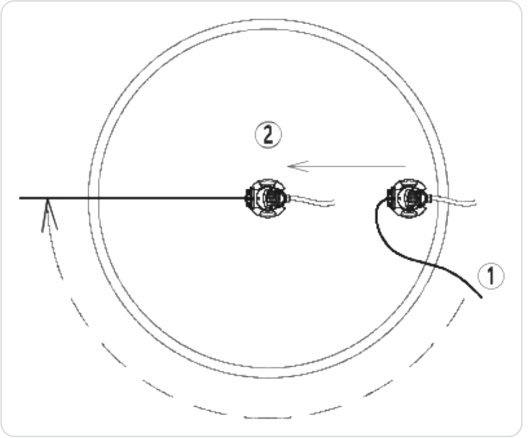
CAUTION

Make sure the power cord, hoisting rope and hose cannot rub against the edge of the pool, as this may damage them. A hose length of 7.5 m is recommended.

STEP-BY-STEP

Installation

STEP 4 Position the pump



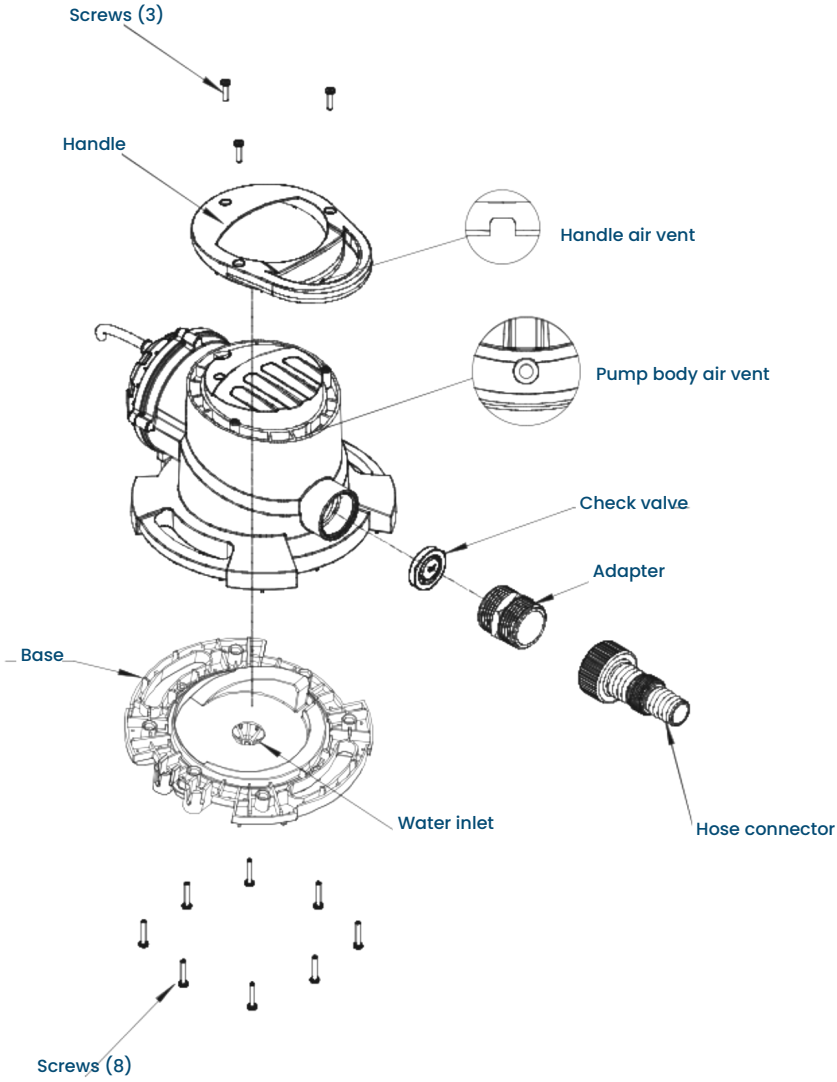
I Holding the hoisting rope, walk around the pool to the side opposite the pump.

II Gently pull the pump to the point where water collects at the centre of the pool cover, then plug in the power cord. Installation is complete.

IMPORTANT

- Keep the pump upright. It must not tip over.
- Do not place the pump on a fragile, damaged or leaking pool cover, otherwise treated pool water may be pumped out of the pool along with the rainwater.
- Check daily that the pump is working correctly. If a fault occurs, disconnect the power supply immediately to prevent electric shock.
- For best results, place the pump where water collects most easily, with its base resting completely flat on the cover.
- Remove leaves and debris from the cover regularly to prevent the pump from clogging.

Maintenance



CARE & CLEANING

Maintenance

> **ALWAYS UNPLUG FIRST**
> Disconnect the pump from the mains before any cleaning or maintenance.

If the pump's performance drops during use, clean it as described below.

1. The motor housing is fully sealed and requires no maintenance.
2. If the pump runs but does not pump water properly, check that the check valve is fitted correctly and is not blocked.
3. Debris around the pump can reduce its performance or cause it to run continuously. Clean the area around the inlet regularly.
4. Dirt on the water level sensor pins can prevent the pump from starting. Clean the sensor pins regularly.
5. Debris inside the pump can cause blockages. Clean the pump as follows:
    a. Unplug the power cord.
    b. Remove the 8 screws shown in the diagram and remove the base.
    c. Remove the impeller and diffuser disc.
    d. Clean all debris from the impeller, diffuser disc and the water inlet in the base.
    e. Remove the 3 screws shown in the diagram and remove the handle.
    f. Clear the air vent on the pump with a pin or paper clip.
    g. Refit the diffuser disc and impeller.
    h. Refit the base.
    i. Refit all 8 screws. Do not overtighten them or leave any out.
    j. Refit the handle.
    k. Refit all 3 screws. Do not overtighten them or leave any out.
    l. Plug the power cord back in.

QUICK FIXES

Troubleshooting

Fault	Possible cause	Solution
Pump does not start or run	No power supply	Check the plug, the circuit breaker / earth leakage and the electrical connection.
	Water has not reached the start level	Check that the water level reaches the sensor pins.
	Dirt on the sensor pins	Clean the sensor pins.
	Motor overheating protection has tripped	Unplug, let the motor cool and clean the pump (Maintenance, point 5).
	Impeller blocked	Clean the pump (Maintenance, point 5).
Pump does not switch off or runs continuously	Check valve missing or damaged	Fit or replace the check valve.
	Dirt on the sensor pins	Clean the sensor pins.
	Wet leaves around the sensor pins conducting electricity	Remove the leaves from around the sensor pins.
	Debris in the check valve	Inspect and clean the check valve.
	Maximum delivery head exceeded	Reduce the delivery height.
	Knob set to Manual	Turn the knob to Auto.
Low flow or no water pumped	Water inlet blocked	Clean the water inlet (Maintenance, point 5).
	Air vent blocked	Clean the air vent (Maintenance, point 5).
	Hose blocked or kinked	Straighten the hose, clear any blockage or replace it.
	Maximum delivery head exceeded	Reduce the delivery height.
	Check valve fitted incorrectly	Refit the check valve with the “OUT” side facing outward.

If the problem persists, contact Waterhouse on **011 466 8250**.

WATER HOUSE®
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WD-PC-400A

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