

DAVEY

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Dynapond

Pond Pump

220/250V 50Hz Single Phase

Installation and Operating Instructions



These Instructions must be delivered with the pump to the operator.



This pump is not to be used by children or infirm persons and must not be used as a toy by children.

Before installing your new pump, please read all instructions carefully as failures caused by incorrect installation or operation are not covered by the guarantee. Your Davey pump is designed to handle clean pond water. The pump should not be used for any other purpose without specific referral to Davey. The use of the system to pump flammable, corrosive and other materials of a hazardous nature is specifically excluded.

Please pass these instructions on to the operator of this equipment.



This appliance is not intended for use by person (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance. The maximum total head, is 9m. The supply cord cannot be replaced. If the cord is damaged the appliance should be scrapped.

Installation & Operating Instructions

The Davey Dynapond Pumps are suitable for clean water for ponds, waterfalls, Koi tanks, fish farms, recirculating applications etc.

They are extremely quiet in operation which makes them ideal for applications within residential areas.

This submersible pump has been factory checked prior to delivery; however, please check for any damage during transport. After Sales Service is available from Davey or Davey Authorised Service Dealers.



DO NOT:

- Run the pump dry.
- Attempt electrical repairs, unless qualified to do so.
- Run the pump with the motor fully or partially exposed.
- Install the pump on soft or loose ground.
- Operate the pump if the inlet is submersed by sand or debris.
- Lift or carry the pump by the power cable.



BEFORE STARTING THE PUMP, VERIFY THAT:

- The electric circuit is equipped with an automatic residual current device rated at 30 mA with correct earthing.
- The voltage and frequency shown on the technical nameplate of the pump correspond to the data of the electric supply system.
- The power cable of the pump is not damaged.
- The electric connection must be done in a dry, safe place, free from possible flooding.

Suitable Fluids

This pump is designed to pump clean pond water, which may contain limited amounts of soft solids up to 10mm diameter. Water temperature must not exceed 35°C. It is not suitable for pumping flammable or corrosive fluids, nor fluids at elevated temperatures. If you are unsure as to the suitability of the application, contact your Davey dealer for advice.



This pump is not a slurry pump, it is not designed to pump hard solids (eg stones) nor fluids containing excessive amounts of abrasive materials.



Under no circumstances may this pump be used in a swimming pool or spa bath.

Installation

This Davey pump is completely submersible up to 3 metres and should be placed on a solid flat surface (if not available, sit the pump on timber or house bricks) in either the vertical or horizontal position. Pump should always be installed so that it will be clear of settled silt or debris. It is recommended to fit the biggest diameter hose possible, to obtain the best flow from the pump. To remove or lift the pump from deep ponds, connect a rope to the handle during installation.

Strainer Adjustment / Removal

Your Dynapond Pump is fitted with a strainer with adjustable inlet hole size (see illustration 1). By rotating the strainer slightly clockwise the hole size is reduced to 5mm, counter-clockwise increases the hole to 10mm.

The strainer can also be removed for cleaning. Turn the strainer to the central position as shown in the illustration 2, allowing the four locking tabs in the centre of the strainer to be pushed outwards. The strainer can then be removed to allow for cleaning and maintenance. **DO NOT OPERATE THE PUMP WITHOUT THE STRAINER!**



WARNING: When servicing or attending pump, always ensure power is switched off and lead unplugged. Electrical connections should be serviced only by qualified persons.

Illustration 1



Illustration 2





This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

Motor Cooling

Dynapond pumps rely upon water flow around the motor shell for correct motor cooling. Do not operate the pump without flow through the pump.

Dynapond pumps are only suitable for fully submerged operation.

Power Connection

A power connection point should be provided by a qualified electrician, in compliance with the requirements of Australian/New Zealand wiring rules AS 3000 (2000). Dynapond models are rated for 220/250 Volts, 50Hz operation, and may be connected to a standard 10 amp power outlet.

Dynapond models have automatic reset thermal overload protection built in, ie. should overload on motor cause thermal to open circuit and switch motor off, it will automatically reset and switch the motor on when the motor has cooled down sufficiently, usually within 15 to 20 minutes.



NOTE:

1. Long extension leads should be avoided as they often have insufficient current carrying capacity to run electric motors, hence they can cause substantial voltage drop and operating problems.
2. Minimum voltage at the electric motor must not fall below 216 Volts for single phase, otherwise motor damage may result which is not claimable under guarantee.
3. If the electrical fittings in your country make it necessary to remove the plug from the lead fitted to the motor, care should be taken to ensure that the earth conductor green/yellow in the lead is properly connected to a good earth. This work should be undertaken by a suitably qualified person.



During servicing, use only approved, non-petrochemical based oring and gasket lubrication. If unsure, consult your Davey dealer for advice.

After Sales Service

For professional after sales service or repair contact your Davey dealer.

For assistance in locating your nearest dealer contact the Davey Service Center on telephone number below.

Fault Checks

A) Pump will not start:

- Check to ensure power is available and the outlet is switched ON.
- Blown fuse or tripped circuit breaker (replace/reset or call an electrician).
- If an extension lead is fitted, check connection.



NOTE:

If fitting an extension lead a QUALIFIED ELECTRICIAN should be consulted to ensure correct rating is provided. Extension leads are not allowed for permanent installations.

- Impeller jammed - disconnect from power supply, and ensure impeller is free to rotate.
- Thermal cut-out switch has not reset (wait 15 to 20 minutes).

B) Pump runs, but does not pump water or pumps insufficient water:

- Pump not submerged.
- Strainer, impeller and/or discharge pipework blocked.
- Impeller damaged.
- Air lock in discharge pipework. Ensure pump is filled with water.
- Excessive back pressure or lift.

C) Pump will not stop:

- Must be switched off at the power supply.

D) Pump runs for short periods only (the overload protection has tripped):

- Some foreign body is clogging the impeller.
- The liquid temperature is too high.
- Pump operating in non submerged position.
- Electrical fault.

Do not run the pump dry as this will damage the seal and reduce the life of the pump.

The pump should be regularly checked. It might become necessary sometimes to clean the suction strainer, impeller and/or discharge pipework.

With simple cleaning and regular examination this pump will give long and reliable service.

Davey Warranty

Davey Water Products Pty Ltd (Davey) warrants all products sold will be (under normal use and service) free of defects in material and workmanship for a minimum period of one (1) year from the date of original purchase by the customer as marked on the invoice, for specific warranty periods for all Davey products visit daveywater.com.

This warranty does not cover normal wear and tear or apply to a product that has:

- been subject to misuse, neglect, negligence, damage or accident
- been used, operated or maintained other than in accordance with Davey's instructions
- not been installed in accordance with the Installation Instructions or by suitably qualified personnel
- been modified or altered from original specifications or in any way not approved by Davey
- had repairs attempted or made by other than Davey or its authorised dealers
- been subject to abnormal conditions such as incorrect voltage supply, lightning or high voltage spikes, or damages from electrolytic action, cavitation, sand, corrosive, saline or abrasive liquids,

The Davey warranty does not cover replacement of any product consumables or defects in products and components that have been supplied to Davey by third parties (however Davey will provide reasonable assistance to obtain the benefit of any third-party warranty).

To make a warranty claim:

- If the product is suspected of being defective, stop using it and contact the original place of purchase. Alternatively, phone Davey Customer Service or send a letter to Davey as per the contact details below
- Provide evidence or proof of date of original purchase
- If requested, return the product and/or provide further information with respect to the claim. Returning the product to the place of purchase is at your cost and is your responsibility.
- The warranty claim will be assessed by Davey on the basis of their product knowledge and reasonable judgement and will be accepted if:
 - a relevant defect is found
 - the warranty claim is made during the relevant warranty period; and
 - none of the excluded conditions listed above apply
- The customer will be notified of the warranty decision in writing and if found to be invalid the customer must organise collection of the product at their expense or authorise its disposal.

If the claim is found to be valid Davey will, at its option, repair or replace the product free of charge.

The Davey warranty is in addition to rights provided by local consumer law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

For any internet connected products the consumer is responsible for ensuring a stable internet connection. In the event of a network failure the consumer will need to address the concern with the service provider. Use of an App is not a substitute for the User's own vigilance in ensuring the product is working to expectation. Use of a Smart Product App is at the User's own risk. To the fullest extent permitted by law Davey disclaims any warranties regarding the accuracy, completeness or reliability of App data. Davey is not responsible for any direct or indirect loss, damage or costs to the User arising from its reliance on internet connectivity. The User indemnifies Davey against any claims or legal actions from them or others relying on internet connectivity or App data may bring in this regard.

Products presented for repair may be replaced by refurbished products of the same type rather than being repaired.

Refurbished parts may be used to repair the products. The repair of your products may result in the loss of any user-generated data. Please ensure that you have made a copy of any data saved on your products.

To the fullest extent permitted by law or statute, Davey shall not be liable for any loss of profits or any consequential, indirect or special loss, damage or injury of any kind whatsoever arising directly or indirectly from Davey products. This limitation does not apply to any liability of Davey for failure to comply with a consumer guarantee applicable to your Davey product under local laws and does not affect any rights or remedies that may be available to you under local laws.

For a complete list of Davey Dealers visit our website (daveywater.com) or call:

DAVEY

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