

Davey® Repair or Replacement Guarantee

In the unlikely event in Australia or New Zealand that this Davey product develops any malfunction within warranty periods beginning from the date of original purchase due to faulty materials or manufacture, Davey will at our option repair or replace it for you free of charge, subject to the conditions below.

Davey Guarantee

Firefighter Liquid End - One Year

Engines fitted to Davey pumps are the responsibility of the engine manufacturer or their representative. The manufacturer's stated guarantee terms and conditions are contained in the owners / operators manual provided with this pump.

Should you experience any difficulties with your Davey product, we suggest in the first instance that you contact the Davey Dealer from which you purchased the Davey product. Alternatively you can phone our Customer Service line on 1300 367 866 in Australia, or 0800 654 333 in New Zealand, or send a written letter to Davey at the address listed below. On receipt of your claim, Davey will seek to resolve your difficulties or, if the product is faulty or defective, advise you on how to have your Davey product repaired, obtain a replacement or a refund.

Your Davey Guarantee naturally does not cover normal wear or tear, replacement of product consumables (i.e. mechanical seals, bearings or capacitors), loss or damage resulting from misuse or negligent handling, improper use for which the product was not designed or advertised, failure to properly follow the provided installation and operating instructions, failure to carry out maintenance, corrosive or abrasive water or other liquid, lightning or high voltage spikes, or unauthorized persons attempting repairs. Where applicable, your Davey product must only be connected to the voltage shown on the nameplate.

Your Davey Guarantee does not cover freight or any other costs incurred in making a claim. Please retain your receipt as proof of purchase; you **MUST** provide evidence of the date of original purchase when claiming under the Davey Guarantee.

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 the Australian or New Zealand legislation and does not affect any rights or remedies that may be available to you under the Australian or New Zealand Consumer Legislation.

In Australia, you are entitled to a replacement or refund for a major failure and for 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.

Should your Davey product require repair or service after the guarantee period; contact your nearest Davey Dealer or phone the Davey Customer Service Centre on the number listed below.

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



AUSTRALIA

Customer Service Centre
6 Lakeview Drive,
Scoresby, Australia 3179
Ph: 1300 367 866
Fax: 1300 369 119
Website: davey.com.au

NEW ZEALAND

Customer Service Centre
7 Rockridge Avenue,
Penrose, Auckland 1061
Ph: 0800 654 333
Fax: 09 527 7654
Website: daveynz.co.nz

Davey Water Products Pty Ltd
Member of the GUD Group
ABN 18 066 327 517

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P/N 400169-2 supersedes P/N 400169-1



Installation and Operating Instructions for Bare Shaft Self Priming Pump



WARNING: Failure to follow these instructions and comply with all applicable codes may cause serious bodily injury and/or property damage.



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

* Installation and operating instructions are included with the product when purchased new. They may also be found on our website.

Power Requirements

Davey Bare Shaft Self Priming Pumps are designed to be direct coupled to an electric motor or engine, alternatively belt driven. Some power losses will occur through the coupling or belts and pulleys, and these losses should be taken into account when choosing the prime mover to power your pump. The greatest power is required when the pump is pumping the greatest volume of water. The power output of the prime mover should be 15% more than the maximum required by the pump for the speed selected (refer to published performance curves). This 15% extra power is to allow for power transmission losses, less chance of overloading, and wear and tear over years of operation.

Mounting of Pump to Prime Mover

The pump and motor or engine should be mounted on a substantial common base which is non-flexible. Some adjustment should be possible to the position of the pump in relation to the prime mover for alignment purposes.

Direct Coupling

It is essential for direct coupling a pump and motor (or engine) that the two drive shafts be exactly aligned. It may be necessary to pack under the feet of either pump or motor. Do not have the two shafts touching; minimum clearance of 2mm must be provided. A two piece coupling with resilient joiner drive is recommended. The use of a rigid sleeve type coupling is not desirable.

Belt and Pulley Driving

The use of slide rails to mount the motor allows easy adjustment of the belt tensions. Pump speed greater than the motor is possible by sizing the pulley fitted to the pump smaller than that on the motor. In any case pump speed must not exceed 4250rpm. A double A section pulley drive is recommended. Overtightening of belts will result in bearing failure at the pump or motor.

Pump - Suction pipe

A reinforced or non-collapsible hose should be used for the pump suction. The minimum suction pipe size should be the same diameter as the pump inlet fitting - 1 1/2". A strainer should always be fitted to the bottom of the suction pipe. This will stop large pieces of foreign matter entering the pump and doing damage. Always locate the pump so that the rise of suction pipe from water to pump is even with no humps or hollows where air may be trapped.



DO NOT allow suction strainer to be blocked.
Full or partial suction blockage can lead to severe pump failure.

Pump Priming

To prime the pump initially, it is necessary to fill the pump body with water, then allow the pump to run until it is drawing water. Normal priming time for the pump would be approximately 30cm of suction line every 3 to 4 seconds. If the pump fails to prime, then it may be due to an air leak in the suction pipe or fittings, a blocked suction pipe, the bottom end of the pipe embedded in mud, or the pump flap valve not seating properly. After many hours of operation, it may be found that priming is slow. This could be caused by worn parts which need to be replaced.



When transporting your Davey Portable Self Priming Pump water from the casing may leak back past the priming flap. Before attempting to self prime the pump you may need to check that the pump casing is full of water.



WARNING
The pump body should always be full of water when operating. The pump should not be allowed to run dry for extended periods.

Storage of Unit

The pump unit should be flushed with clean water then drained of water and stored in a dry place. Before restarting pump, it should be checked to make sure that it is free to rotate.

Spare Parts

When ordering spare parts for the pump end, be certain to quote the Pump Model Number fully from the nameplate.