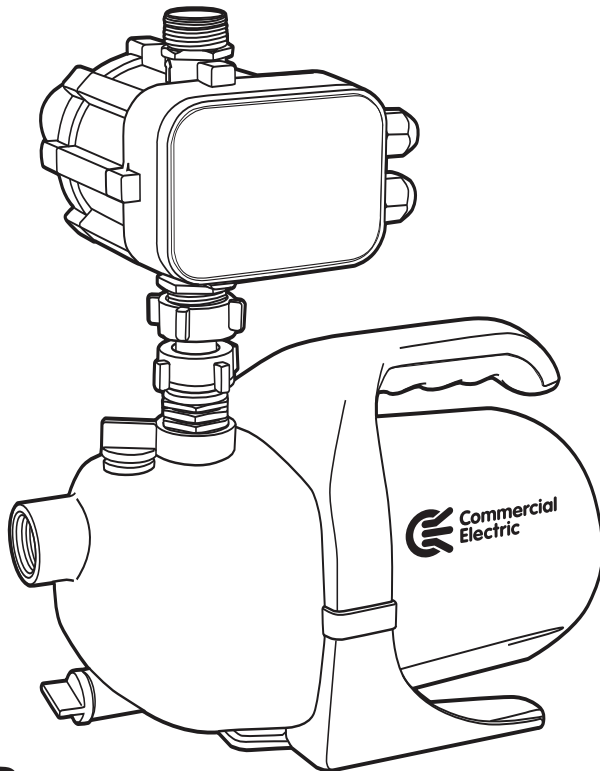




**Commercial  
Electric**

## **800W CONSTANT PRESSURE WATER PUMP**

**INSTRUCTION MANUAL** – MODEL NO. CECPP800A



**1 YEAR**  
Replacement  
Warranty

Please read the operating instructions carefully prior to use. Please retain the instructions in a safe place for future reference.

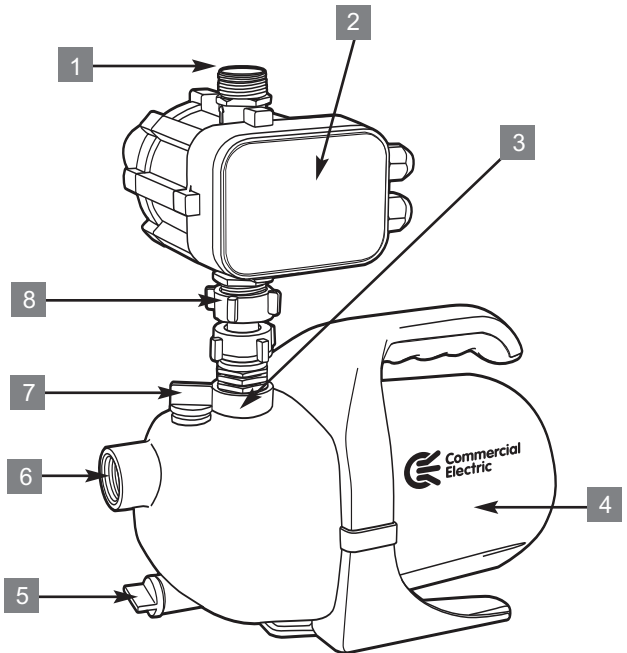
# INTRODUCTION

Congratulations on purchasing the Commercial Electric Constant Water Pump. We aim to provide quality products at an affordable price. Before first using, it is most important that you read and follow the instructions in this manual, even if you feel you are quite familiar with this type of product.

This product has been designed for use with rain water (clean water).

# SPECIFICATIONS

<b>Model no.:</b>	CECPP800A
<b>Input:</b>	220 - 240V~ 50Hz
<b>Power:</b>	800W
<b>Max. flow:</b>	3.6m <sup>3</sup> /hr
<b>Litres per minute:</b>	60
<b>Max. suction depth:</b>	8m
<b>Max. pumping height:</b>	40m
<b>Inlet/outlet size:</b>	25mm
<b>Max. particle size:</b>	3mm
<b>Max. pressure:</b>	1Mpa (10 Bar)
<b>Current draw:</b>	10A
<b>Protection class:</b>	1 (earthed appliances)
<b>Features:</b>	Efficient, quiet induction motor. Corrosive resistant pump body and impellor. Auto shut-off if water dries up. After-market fittings readily available.



1. Discharge outlet
2. Water pump control unit
3. Water pump outlet
4. Water pump body
5. Drain cap
6. Suction inlet
7. Priming plug
8. Water pump control inlet

# **TABLE OF CONTENTS**

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SPECIFICATIONS - MODEL NO. CECPP800A .....	Page 1
INTRODUCTION.....	Page 1
TABLE OF CONTENTS.....	Page 2
SAFETY INSTRUCTIONS.....	Page 3
INSTALLATION.....	Page 6
OPERATION .....	Page 8
CONTENTS .....	Page 9
WARRANTY.....	Page 11

# SAFETY INSTRUCTIONS

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**Warning!** When using mains-powered equipment, basic safety precautions, including the following, should always be followed to reduce the risk of fire, electrical shock, personal injury and material damage.

Read the whole manual carefully and make sure you understand the operating instructions prior to use.

**Save these instructions for future reference.**

## ELECTRICAL SAFETY

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The electric motor has been designed for 230V and 240V only. Always check that the power supply corresponds to the voltage on the rating plate.

**Note:** The supply of 230V and 240V on Commercial Electric tools are interchangeable for Australia and New Zealand.

This tool is earthed in accordance with AS/NZS 60335: 2002

**Note:** It is recommended that the power outlet to be used for the water pump, be protected by a 30mA residual current device or earth leakage circuit breaker.

If the power outlet is external, ensure that it is weather proof.

If the supply cord is damaged, it must be replaced by an electrician or a power tool repairer to avoid a hazard.

The water pump has a built-in thermal protection overload switch. The water pump stops if an overload occurs. The motor restarts automatically after it has cooled down.

### Using an extension lead

Always use an approved extension lead suitable for the power input of this product. Before use, inspect the extension lead for signs of damage, wear and ageing. Replace the extension lead if damaged or defective.

When using an extension lead on a reel, always unwind the lead completely. Use of an extension lead not suitable for the power input of this product or which is damaged or defective may result in a risk of fire and electric shock.

## GENERAL SAFETY RULES

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**Warning!** Read all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury. The term "Power Tool" in all of the warnings listed below refers to your mains operated (corded) power tool or battery operated (cordless) power tool.

### SAVE THESE INSTRUCTIONS

#### 1) WORK AREA

- a) **Keep work area clean and well lit.** Cluttered and dark areas invite accidents.
- b) **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.** Power tools create sparks which may ignite the dust or fumes.
- c) **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

# **GENERAL SAFETY RULES (CONT.)**

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## **2) ELECTRICAL SAFETY**

- a) **Power tool plugs must match the outlet.** Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
- b) **Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.
- c) **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- d) **Do not abuse the cord.** Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
- e) **Replacement of the supply cord.** If the supply cord is damaged, it must be replaced by an electrician or a power tool repairer.
- f) **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.
- g) **Have your tool repaired by a an electrician or a power tool repairer.** This power tool complies with relevant safety requirements. To avoid danger, electrical appliances must only be repaired by qualified personnel using original spare parts; otherwise this may result in considerable danger to the user.

## **3) PERSONAL SAFETY**

- a) **Stay alert, watch what you are doing and use common sense when operating a power tool.** Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
- b) **Use safety equipment.** Always wear eye protection. Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- c) **Avoid accidental starting.** Ensure the switch is in the off position before plugging in. Carrying power tools with your finger on the switch or plugging in power tools that have the switch on invites accidents.
- d) **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- e) **Do not overreach.** Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- f) **Dress properly. Do not wear loose clothing or jewellery.** Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.
- g) **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of these devices can reduce dust related hazards.

## **4) POWER TOOL USE AND CARE**

- a) **Do not force the power tool.** Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
- b) **Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- c) **Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
- d) **Store idle power tools, unplugged & out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.

## **GENERAL SAFETY RULES (CONT.)**

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- e) **Maintain power tools.** Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tools operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
- f) **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- g) **Use the power tool, accessories and tool bits etc., in accordance with these instructions and in the manner intended for the particular type of power tool, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from intended could result in a hazardous situation.

### **5) SERVICE**

- a) **Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.

## **ADDITIONAL SAFETY INSTRUCTIONS FOR CONSTANT PRESSURE WATER PUMPS**

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**Warning!** This product is intended for pumping water in a DIY application. Do not use it for sea water and corrosive, abrasive, explosive or dangerous liquids. Fluids other than water will damage the water pump and/or create a fire hazard.

**This appliance is not intended for use by young or infirm persons unless supervised by a responsible person to ensure that they can use the appliance safely.**

**Young children should be supervised to ensure that they do not play with the appliance.**

- Do not install or operate the water pump in an explosive environment or near flammable material.
- Do not operate the water pump without liquid.
- Do not run the water pump dry.
- Do not mount the water pump vertically.
- Ensure the water pump is disconnected from mains power when installing.

**Warning!** The water pump and control unit together with associated pipework operate under pressure. Do not disconnect water pump, control unit or pipework until internal pressure has been released. Failure to do this could result in personal injury and damage to property.

- Protect water pump and all pipes and hoses from adverse weather or freezing conditions.
- Avoid inserting hands into the inlets/outlets of the water pump while it is connected to mains power.
- Ensure that the motor is well ventilated.
- The site of the installation must be stable and dry to guarantee the stability of the water pump. Avoid using the water pump in wet or damp environments.
- Before using the water pump, always inspect it visually. Do not use the pump if it is damaged. If the water pump is damaged, have it checked by an electrician or a power tool repairer.
- The water pump has a built-in thermal protection overload switch. The water pump stops if an overload occurs. The motor restarts automatically after it has cooled down.
- The water pump has an auto shut-off feature which stops the water pump operating when the water supply runs out.

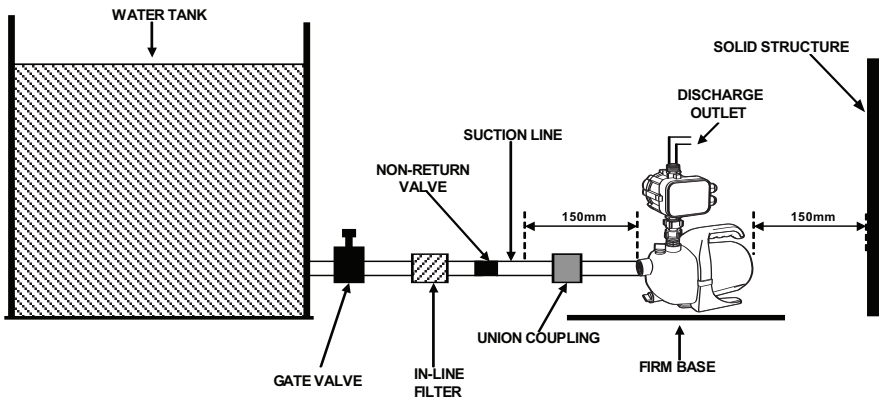
# INSTALLATION

- Choose a location with a firm, horizontal base allowing for drainage. Position the water pump as close as possible to the water supply. Ensure the power supply matches the power requirement for the water pump.
- It is advisable to have the water pump housed in a position protected from the elements, dust, pests or anything that would adversely affect the efficient and safe operation of the water pump.
- Locate the water pump approximately 150mm from a solid structure i.e. wall or fence.
- Remove the water pump from the packaging and inspect for any shipping damage.
- When installing, ensure the water pump is disconnected from the electrical supply.
- Connect the water pump control unit on top of the water pump body. Hand tighten the locking nut. The water pump control unit is able to rotate 360° to facilitate positioning of the discharge pipe.

## Pipe Connections:

- For the best results use PVC or polythene pipes.
- Diameter of pipes should be the same as the inlet and outlet openings. When pumping over longer distances, a larger diameter pipe may be used.
- Ensure care is taken not to damage water pump or threads when connecting pipes.
- Support inlet and outlet pipes to avoid damaging water pump and/or threads.
- Use union couplings at pipe connections for easy servicing and removal.
- Connection, suction and delivery pipes should be carefully connected. Use only Teflon tape to seal all joints and do not use thread sealing compounds. Do not overtighten or cross-thread.
- The use of gate valves, in-line filters and non-return valves is recommended for optimum performance.
- These are standard accessories and are available from Bunnings Warehouse and water pump retailers.

Fig. 1 CONNECTION WITH TANK BASE LEVEL WITH WATER PUMP



# INSTALLATION (CONT.)

Fig. 2

CONNECTION WITH TANK BASE BELOW WATER PUMP

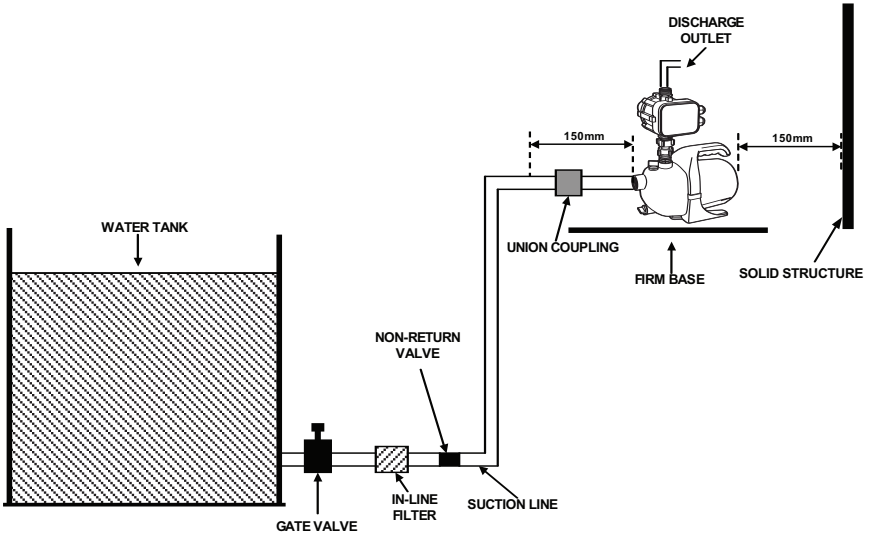
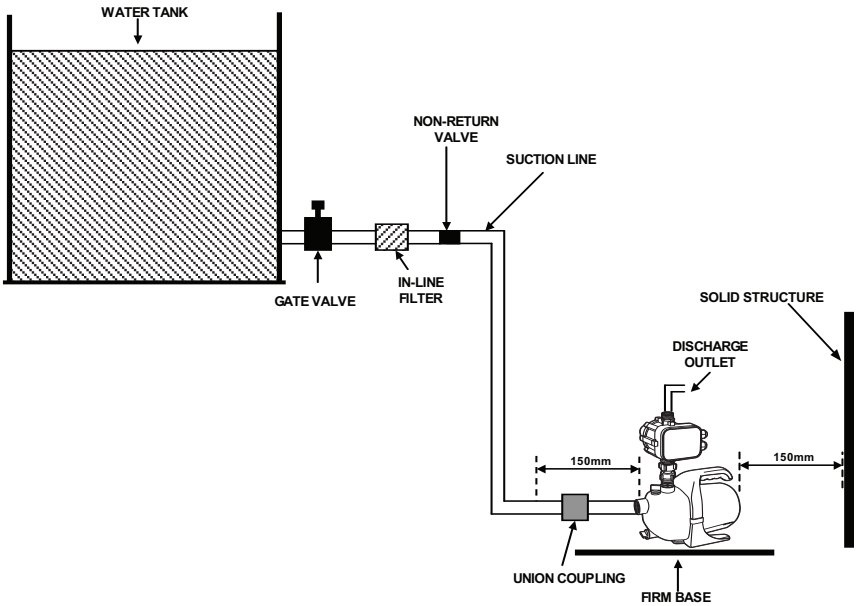


Fig. 3

CONNECTION WITH TANK BASE ABOVE WATER PUMP



# OPERATION

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1. Ensure that the water pump is filled with water prior to operating.
2. Fill water pump by pouring water into the priming plug hole (7). Ensure water pump and suction line are full. Replace priming plug.
3. Ensure discharge outlet closest to the water pump is open.
4. Open all valves in suction line.
5. Turn on the power to run the water pump. When the water pump is fully primed and air is flushed out of the suction cycle, the water pump is ready to operate.
6. Water should now be able to be transferred from the tank and flow freely from the discharge outlet.

# MAINTENANCE

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**Warning!** The thermal protection overload switch resets automatically and will restart the water pump without warning. Always ensure the power to the water pump is disconnected prior to any maintenance or repairs.

- Under normal D.I.Y. operation, the water pump does not require any maintenance.
- However, it is advisable to periodically check the pressure supplied and the current absorption.
- A reduction in pressure may indicate the water pump is worn. Sand and other corrosive material present in the water could cause rapid wear and a reduction in performance. It's advisable to use an in-line filter to prevent wear.
- An increase in current absorption indicates the presence of abnormal mechanical friction in the water pump and/or motor.
- If the water pump is not going to be used for a long period of time, it is advisable to empty the water pump completely by opening the drain cap. Rinse with clean water and store in a dry location.

# TROUBLESHOOTING

Symptom	Possible Cause	Suggested Solution
The water pump does not pump water/the motor does not run	1. No power	Check power outlet. Ensure that the electrical plug of the water pump has been correctly inserted.
	2. Motor overload protection activated	Determine the cause of the problem and reset the switch and/or wait for the motor to cool down.
	3. Shaft blocked	Determine the cause and unblock the water pump.
Motor runs but water pump does not pump water	1. Water pump is sucking air	Verify that joints are sealed.
	2. Water pump is not primed	Fill water pump with water.
	3. Suction line is leaking	Check for leaks especially at joints.
	4. Not enough water in tank	Wait till level of tank has increased.
	5. Water pump or discharge outlet is blocked	Check water pump and discharge outlet for foreign matter.
	6. Water pump does not produce adequate pressure	Check water pump and clean.
	7. Filters are blocked	Clean filters.

## CONTENTS

- 1 x Water Pump Assembly
- 1 x Electronic Water Pump Controller
- 1 x Instruction Manual

# PRODUCT WARRANTY

## 1 YEAR REPLACEMENT WARRANTY

Your Commercial Electric product is covered for a Period of 12 months from the **ORIGINAL Date of purchase** and is intended for DIY home use only.

The Warranty covers faulty parts or workmanship.

The warranty is only made available by returning the product to your point of purchase with a **confirmed cash register receipt**.

PURCHASED FROM:

\_\_\_\_\_

DATE OF PURCHASE:

\_\_\_\_\_

**THIS WARRANTY FORM SHOULD BE RETAINED BY THE CUSTOMER AT ALL TIMES.**

## WARNING

**The following actions will result in the warranty being void:**

- If the product has been operated on a supply voltage other than that specified on the unit.
- If the product shows signs of damage or defects caused by or resulting from abuse, accidents or alterations.
- If the product has been disassembled or tampered with in any way.

**Note:** Warranty excludes consumable parts such as drain caps, priming plugs and all accessories.

**YOUR WARRANTY FORM SHOULD BE RETAINED BY YOU AT ALL TIMES.**

**SHOULD YOU HAVE ANY QUESTIONS PRIOR TO RETURNING YOUR PRODUCT FOR WARRANTY OR REPAIR PLEASE TELEPHONE OUR CUSTOMER SERVICE HELPLINE:**

**Australia 1800 069 486  
New Zealand 0508 069 486**

TO ENSURE A SPEEDY RESPONSE PLEASE HAVE THE MODEL NUMBER AND DATE OF PURCHASE AVAILABLE. A CUSTOMER SERVICE REPRESENTATIVE WILL TAKE YOUR CALL AND ANSWER ANY QUESTIONS YOU MAY HAVE RELATING TO THE WARRANTY POLICY OR PROCEDURE.

## Commercial Electric

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