



## 800W CONSTANT PRESSURE PUMP

MODEL: CECPP800A



**⚠ WARNING!** Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury. Save all warnings and instructions for future reference.

0212

### INSTRUCTION MANUAL

# INTRODUCTION

Congratulations on purchasing the Commercial Electric 800W Constant Pressure Pump. We aim to provide quality products at an affordable price. Before 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.

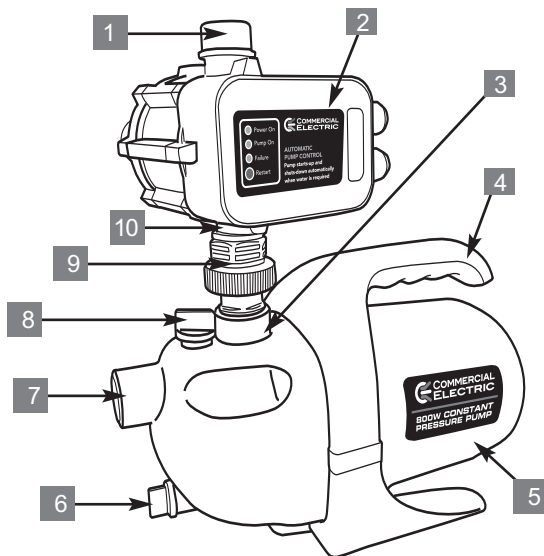
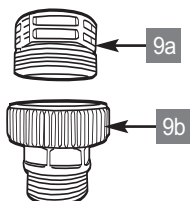
This product is ideal for numerous applications. These include providing domestic water supply to laundries, toilets and outdoor taps, combining with rainwater tank for garden watering and washing cars, transferring water from tanks, ponds and dams and transferring water for domestic irrigation. This product is not suitable for use with drinking (potable) water.

## SPECIFICATIONS

<b>Input Voltage:</b>	220-240V ~ 50Hz
<b>Input Power:</b>	800W
<b>Max. Flow Rate:</b>	3600 litres/hr
<b>Max Lift:</b>	8m
<b>Max. Head:</b>	40m
<b>Max. Particle Size:</b>	3mm
<b>Max. Pressure:</b>	1 Mpa (10 bar)
<b>Max. Water Temp:</b>	35°C
<b>Inlet/Outlet Size:</b>	25mm (1")
<b>IP Rating:</b>	IP44
<b>Weight:</b>	7.8kg

## KNOW YOUR PRODUCT

1. Discharge Outlet
2. Pump Control Unit
3. Pump Outlet
4. Handle
5. Pump Body
6. Drain Screw
7. Suction Inlet
8. Priming Plug
9. Control Unit Union
- 9a. Upper Section
- 9b. Lower Section
10. Pump Control Inlet



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# ELECTRICAL SAFETY

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**WARNING!** This product is not suitable for use with drinking (potable) water.



**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.

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 60335-2-41

**Note:** The Power Outlet used for the water pump is recommended to 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 INSTRUCTIONS

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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 INSTRUCTIONS (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 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, nonskid 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 INSTRUCTIONS (cont.)

- 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 PUMPS

**CAUTION:** Commercial Electric recommends the power outlet to be used for the water pump, be protected by a 30mA residual current device or earth leakage circuit breaker.



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



**WARNING!** This product is not suitable for use with drinking (potable) water.

**This appliance is not intended for use by persons (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.**

**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.

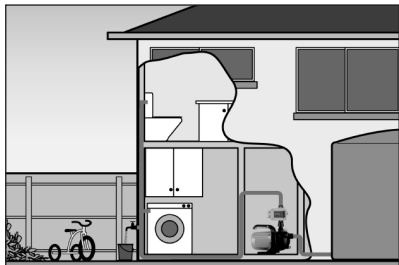


**WARNING!** The water pump together with associated pipework operate under pressure. Do not disconnect water pump or pipework until internal pressure has been released. Failure to do this could result in personal injury and damage to property.

- 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.
- 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 qualified plumber.
- 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.

## SUGGESTED APPLICATIONS

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Provide domestic water supply to laundries, toilets and outdoor taps.



Transfer water for domestic irrigation or combine with rainwater tank for garden watering and washing car.



Transfer water from tanks, ponds or dams.

## PACK CONTENTS

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- 1 x Constant pressure pump (CECPP800A)
- 1 x Pump control unit
- 1 x Control unit union
- 1 x Instruction manual

## FITTINGS AND TOOLS REQUIRED FOR INSTALLATION

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### Not Included

- |  |                        |
|--|------------------------|
| Suitable hose/tube/piping              | Flat screwdriver       |
| 25mm (1") Male threaded hose adaptor   | Adjustable spanner     |
| 25mm (1") Female threaded hose adaptor | Teflon tape (optional) |

# SET-UP & INSTALLATION



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



**WARNING!** Disconnect the plug from the mains power prior to making any adjustments or installation.

- After removing the pump from its carton, check that the pump has not been damaged.
- Unpack the contents.

**NOTE:** Use the handle (4) when lifting or moving the pump (Fig. 1).

**NOTE:** Position the pump on a solid and level surface. Do not store or use the pump in a vertical position. To ensure the most efficient operation, careful planning is advised when installing the pump.



Fig. 1

**CAUTION!** It is recommended to have a 30mA residual current device connected when using the pump.

## Assembling the Double Knuckle Assembly and Pump Control Unit

**NOTE:** Teflon tape (not included) is recommended on threads to ensure a water tight seal and prevent any leakage.

1. Insert the control unit union (9) into the pump outlet (3) (Fig.2). Hand tighten the control unit union (9) clockwise onto the pump body (5). Then use an adjustable spanner (not included) to ensure a firm fit.
2. Unscrew the upper section (9a) of the control unit union (9) from the locking nut. Taking care that the lower section (9b) of the control unit union still remains attached to the pump outlet (3) (Fig. 3).
3. Screw the removed upper section (9a) of the control unit union onto the pump control inlet (10) (Fig.4). Then use an adjustable spanner (not included) to ensure a firm fit.

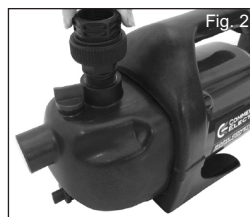


Fig. 2

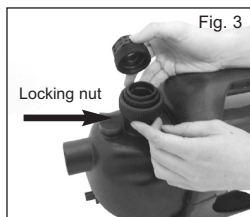


Fig. 3



Fig. 4



## SET-UP & INSTALLATION (cont.)

4. Place the pump control unit (2) on top of the lower section (9b) fitted to the pump outlet (3) (Fig 5).
5. Hand tighten the locking nut by turning anti-clockwise while holding the pump control unit (2) steady with your other hand. Then use an adjustable spanner (not included) to ensure a firm fit.

**NOTE:** The pump control unit (2) is able to rotate 360° to facilitate positioning of the discharge outlet (1).



### Connecting Hose or Pipe to the Suction Inlet

6. Remove the plastic protection cover from the suction inlet (7) (Fig. 6).

**NOTE:** It is recommended that you use a preliminary filter and a suction set with suction hose, suction strainer and non-return valve, in order to prevent long priming periods and unnecessary damage to the pump as a result of stones and solid foreign materials entering.



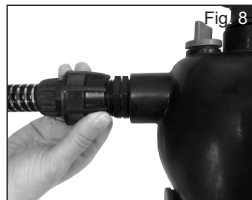
**NOTE:** Teflon tape (not included) is required on threads to ensure a water tight seal and prevent any leakage.

7. Insert a 25mm (1") male threaded hose adaptor (not included) into the suction inlet (7) (Fig. 7).



8. Securely attach the input hose or pipe to the other end of the 25mm (1") male threaded hose adaptor (not included) (Fig. 8). Ensure you have the correct diameter hose or pipe that is compatible with your water drawing source.

**NOTE:** The input hose or pipe you are using must have a minimum diameter of 25mm (1"). A diameter of 32mm (1 1/4") is recommended for suction heights exceeding 5 metres.

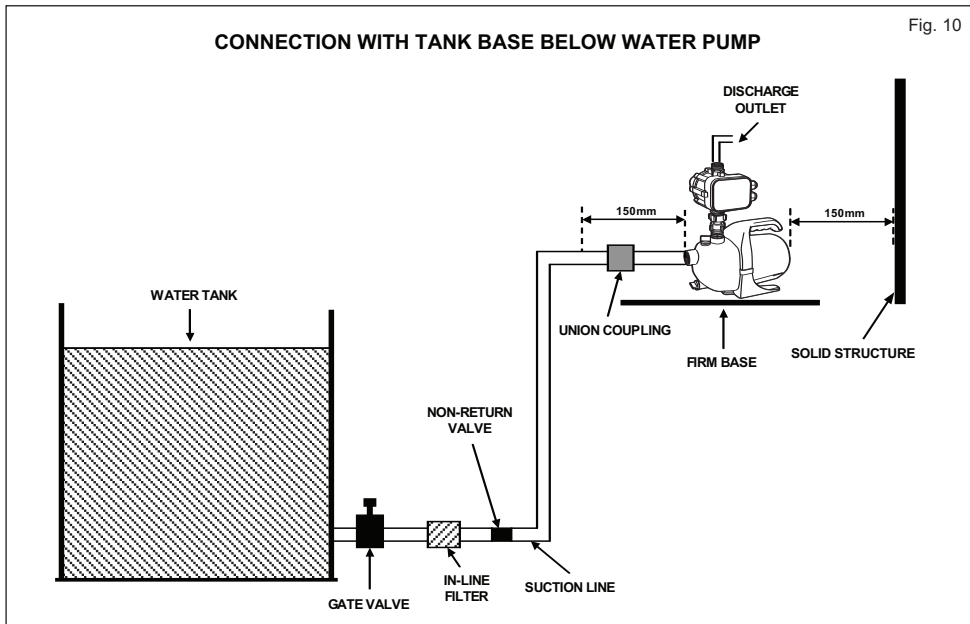
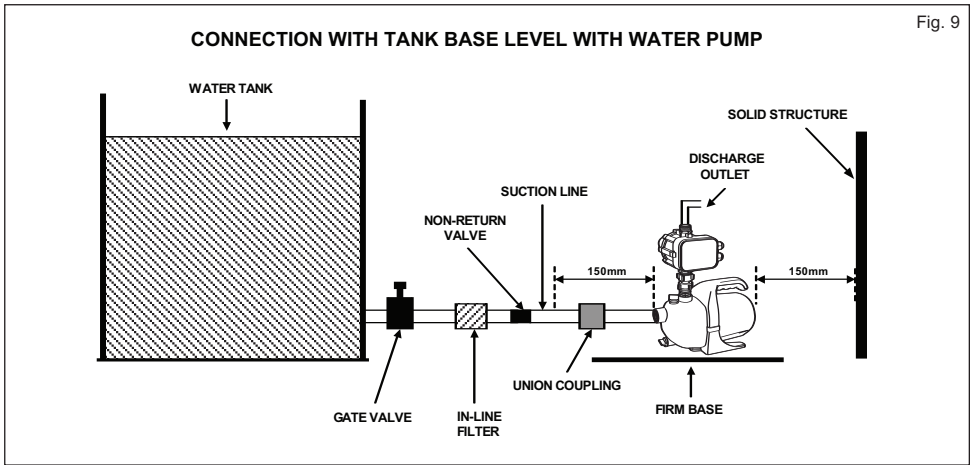


**NOTE:** Ensure the input hose or pipe is not restricted in any way and no pressure is obstructing the input hose or pipe when the pump is in operation.

# SET-UP & INSTALLATION (cont.)

## Positioning the Hose or Pipe

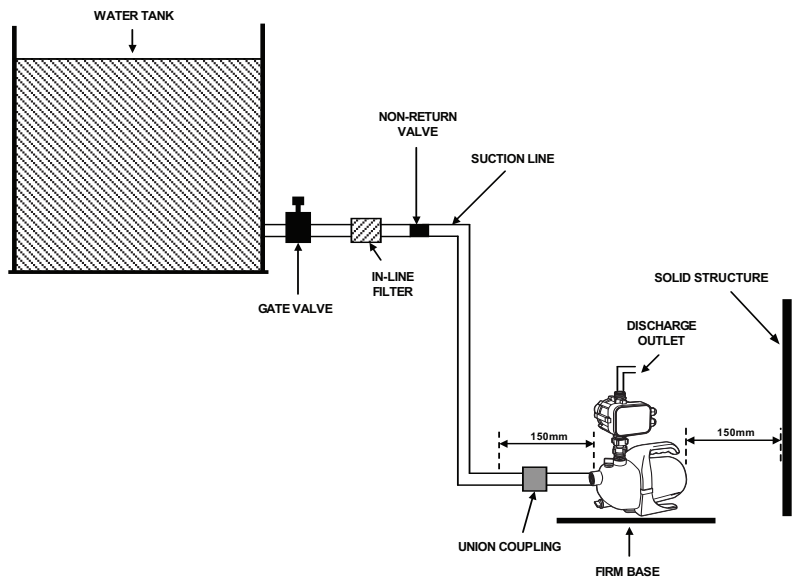
Position the input hose or pipe so that it rises from the water drawing source to the pump. Avoid positioning the input hose or pipe higher than the pump, as this would delay the escape of air bubbles from the input hose or pipe and impede the priming process (see section 'starting the pump' for description on priming the pump) (Fig. 9-11).



# SET-UP & INSTALLATION (cont.)

CONNECTION WITH TANK BASE ABOVE WATER PUMP

Fig. 11



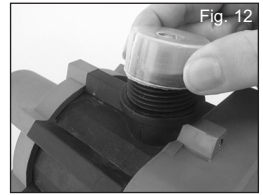
**WARNING!** The input hose or pipe should be low enough in the water to ensure that if the water level falls, the pump will not run dry. Ensure that this is checked when in operation.

**NOTE:** A leaking hose or pipe will draw in air and therefore not draw in any water.

## SET-UP & INSTALLATION (cont.)

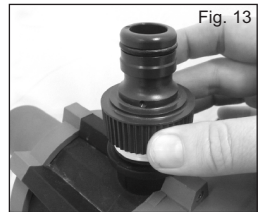
### Connecting Hose or Pipe to the Discharge Outlet

9. Remove the plastic protection cover from the discharge outlet (1) on the pump control unit (2) (Fig. 12).



**NOTE:** Teflon tape (not included) is required on threads to ensure a water tight seal and prevent any leakage.

10. Screw a 25mm (1") female threaded hose adaptor (not included) onto the discharge outlet (1) (Fig. 13). Securely attach the output hose or pipe to the other end of the 25mm (1") female threaded hose adaptor (not included) (Fig. 14). Ensure you have the correct diameter of hose or pipe that is compatible with your water discharge application.



**NOTE:** The input hose or pipe you are using must have a minimum diameter of 3/4".

**NOTE:** Ensure the output hose or pipe is not restricted in any way and no pressure is obstructing the hose or pipe when the pump is in operation.

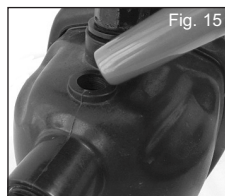


# OPERATION

## Priming

Priming the pump prepares the motor for safe operation.

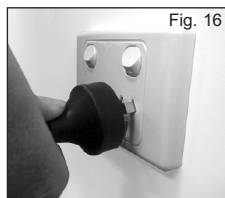
1. Ensure the pump is turned off at the mains power.
2. Unscrew the priming plug (8) by turning anti-clockwise. Using a hose, fill the pump by pouring water into the priming plug (8) hole (Fig.15). Ensure the pump and suction line are full.
3. Replace the priming plug (8) and ensure it is secure.
4. Fully open any shut off mechanisms (Eg: spray nozzle, valves etc.) in the input and output hose or pipe so that the air can escape without obstruction.



## Turning the Pump On and Off





**NOTE:** When the pump is fully primed and air is flushed out of the suction cycle, the pump is ready to operate. The pump may take several minutes to fully prime air from the suction line and inside the pump.

1. Turn the pump on at the mains power (Fig. 16).
2. To turn the pump off, turn it off at the mains power.



## Understanding the Pump Control Unit

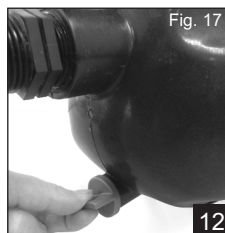
**NOTE:** The pump control unit (2) controls the water flow. The pump will start up automatically whenever water is required. As soon as the water is shut-off the pump will also shut-down automatically. This system delivers efficient operation and conserves energy by only turning the pump on as required.

 Power On	When the pump is turned on at the mains power, this light will illuminate green.
 Pump On	When the pump becomes operational, this light will illuminate yellow.
 Failure	When a malfunction occurs in the pump, this light will illuminate red. In this event, press the Restart button. If the malfunction still occurs, refer to the troubleshooting guide or contact Commercial Electric Customer Service on 1800 069 486.
 Restart	When the pump requires restarting (Failure light illuminates red), push the Restart button and hold for 5 seconds to re-start the pump, the red failure light should turn off. If the failure light re-illuminates red, refer to the troubleshooting guide or contact Commercial Electric Customer Service on 1800 069 486.

## Storing the Pump

Before storing the pump, it is recommended to empty the pump body (5) of any water. Turn the drain screw (6) anti-clockwise and remove from the pump body (5). This will drain any excess water. Replace the drain screw (6) (Fig. 17).

**NOTE:** Ensure the gate valve on your water tank is not left open as this will allow water to drain from the tank.



## HINTS WHEN USING THE PUMP

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- The maximum pumping rate only occurs when using the largest hose or tube diameter possible, if smaller hoses or tubes are used, the flow rate will reduce relative to the size of the tube or hose. Try to use discharge hoses or tubes which have a larger diameter than the discharge outlet (1).
- Position the pump as close as possible to your water source.
- Locate the pump at least 150mm from a solid structure (i.e: wall or fence).
- Running the pump with no water flowing through leads to increased wear and is not recommended. The pump must be immediately unplugged as soon as water stops flowing through it.

The pump is automatically switched off in the event of overheating due to the built in thermal overload protector. After cooling down, the motor automatically switches on again.

- When disconnecting the pump from the mains power supply, do not pull by the power cable. Using three fingers around the three pin power plug, gently disconnect from the mains power.

## MAINTENANCE

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In ordinary conditions, this pump does not require any maintenance.

Make sure the pump is disconnected from electric power supply before performing maintenance operation.

### Cleaning the pump body

Use a moist cloth to wipe down the pump body (5). Allow to dry thoroughly before storing in a dry location that is protected from bad weather conditions.

If the pump is not going to be used for a long period of time, it is advisable to rinse with water. Ensure the pump is completely dry before storing.

## SPARE PARTS

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Limited spare parts are available subject to availability. Please contact your local Bunnings Special Orders Desk to order the required spare parts.




### Most common spare parts listed below

Spare Part	Part No.
Drain screw	SPCECPP0001
Venturi tube	SPCECPP0005
Control unit union	SPCECPP0057
Pump control unit	SPCECPP0058

# TROUBLESHOOTING

Symptom	Possible Cause	Suggested Solution
The pump does not pump water/the motor does not run	There is no power reaching the pump, the power light is not illuminated green	Check the mains power outlet, ensure that the electrical plug of the pump has been correctly inserted
	The motor thermal overload protection is activated	Determine the cause of the problem and press the Restart button for 5 seconds or wait for the motor to cool down and then restart the pump
	The inlet or outlet hose is blocked	Determine the cause and unblock the pump
The motor runs but the pump is not pumping water	The pump is sucking air	Verify the joints are sealed tightly
	The pump is not primed	Fill the pump with water or wait for it to finish priming
	The pump or discharge outlet is blocked	Check the pump and discharge outlet for any foreign matter and remove it
The pump does not produce adequate pressure	Incorrect assembly leads to air and water leakage in the suction and discharge lines	Ensure the suction and discharge lines are the correct length and all assembly instructions are adhered to
The failure light continues to illuminate red after pressing the restart button	Air leak in the suction line	Check the suction line connections for air leaks and tighten or fix where found
	The pump doesn't build up enough pressure to operate	Check the suction line connections for air leaks and tighten or fix where found
		Check the water source tank has water in it
	Electrical fault with the pump	Contact Commercial Electric Customer Service

# DESCRIPTION OF SYMBOLS

<b>V</b>	Volts	<b>Hz</b>	Hertz
<b>~</b>	Alternating current	<b>W</b>	Watts
<b>/min</b>	Revolutions or reciprocation per minute	<b>no</b>	No load speed
<b>Hp</b>	Horse power	<b>°C</b>	Degrees Celsius
<b>p/hr</b>	Per hour	<b>kPa</b>	Pressure rating (kilopascals)
<b>bar</b>	Pressure rating	<b>L</b>	Litres
<b>F</b>	Insulation class	<b>PVC</b>	Polyvinyl chloride
	Regulator compliance mark	<b>IP44</b>	Ingress protection from water
	Warning		Read instruction manual

# CARING FOR THE ENVIRONMENT



Power tools that are no longer usable should not be disposed of with household waste but in an environmentally friendly way. Please recycle where facilities exist. Check with your local council authority for recycling advice.



Recycling packaging reduces the need for landfill and raw materials. Reuse of recycled material decreases pollution in the environment. Please recycle packaging where facilities exist. Check with your local council authority for recycling advice.



# WARRANTY

**YOUR WARRANTY FORM SHOULD BE RETAINED BY YOU AT ALL TIMES. IN ORDER TO MAKE A CLAIM UNDER THIS WARRANTY YOU MUST RETURN THE PRODUCT TO YOUR NEAREST BUNNINGS WAREHOUSE WITH YOUR BUNNINGS REGISTER RECEIPT. PRIOR TO RETURNING YOUR PRODUCT FOR WARRANTY 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.

The benefits provided under this warranty are in addition to other rights and remedies which are available to you at law.

Our goods come with guarantees that cannot be excluded at law. 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.

Generally you will be responsible for all costs associated with a claim under this warranty, however, where you have suffered any additional direct loss as a result of a defective product you may be able to claim such expenses by contacting our customer service helpline above.

## 2 YEAR REPLACEMENT WARRANTY

Your product is guaranteed for a period of **24 months from the original date of purchase** and is intended for DIY (Do It Yourself) use only. If a product is defective it will be replaced in accordance with the terms of this warranty. Warranty excludes consumable parts, for example: o-rings, bearings, seals, gaskets, drain caps, and all accessories.

### WARNING

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

- Professional, Industrial or high frequency use.
- If the tool has been operated on a supply voltage other than that specified on the tool.
- If the tool shows signs of damage or defects caused by or resulting from abuse, accidents or alterations.
- Failure to perform maintenance as set out within the instruction manual.
- If the tool is disassembled or tampered with in any way.

### Commercial Electric

Australia/New Zealand (Head Office)  
1-23 Letcon Drive, Bangholme, Victoria, Australia 3175