SUPERFLOW BRAND Electric Storage Water Heater

Owner's Guide & Installer Manual

SERVICE INQUIRIES:

Phone 1300 668 886

This manual must be read carefully before installing and operating this water heater. Installer, please leave this manual for the householder when the unit is installed.

SERVICE & WARRANTY:

Contact: The Service Manager

Ph: 1300 668 886

Please note: When making a service call, it is imperative that the 6-digit water heater serial number, located on the technical label, is quoted.

This unit is not suitable for use as a pool or spa heater

Note: The Trade Practises Act 1974 and similar laws in each State and Territory provide the owner under certain circumstances with certain minimum statutory rights in relation to this water heater. This user manual and warranty must be read subject to that legislation and nothing in the Installer Manual or Warranty has the effect of excluding, restricting r modifying those rights.

Note: Whilst every care has been taken to ensure the accuracy in preparation of this document, no liability can be accepted for errors or omissions and any subsequent consequences that may arise.

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CONTENTS

REGULATORY INFORMATION

Notice to Victorian Customers from the Victorian Plumbing Industry Commission

This water heater must be installed by a licensed person as required by the Victorian Building Act 1993.

Only a licensed person will give you a Compliance Certificate, showing that the work complies with all relevant Standards. Only a licensed person will have insurance protecting their workmanship for six years. Make sure you use a licensed person to install this water heater and ask for your Compliance Certificate.

Installation and service must be performed by an authorised person. This water heater must be installed in accordance with:

1. **Manufacturers Installation Instructions**
2. **AS/NZS 3500.4 "National Plumbing & Drainage Code"**
3. **AS/NZS 3000 "Wiring Rules"**
4. **Municipal Building Codes**
5. **Any other State or Federal Statutory Regulations**

1. **Do not operate this water heater until all operating instructions have been read and understood by the homeowner.**
2. **These water heaters are NOT recommended for connection to Bore Water Supplies and warranty may be void in such installations.**
3. A properly drained safe tray must be used where property damage could occur from water spillage (see AS3500.4.2). Ensure this safe tray does not become blocked.
4. Do not activate this water heater unless the cylinder is filled with water and a satisfactory Megger reading is obtained by an authorised person.
5. **Do not block or seal the P&T safety valve or drain pipe.**
6. The water heater warranty can become void if relief valves or other safety devices are tampered with or if the installation is not in accordance with these instructions.
7. Do not place any articles, chemicals or flammable materials on or near the water heater
8. **Removal of access covers will expose 240V wiring. Do not remove the terminal box cover or gain access to this water heater unless the power supply has been effectively disconnected by an authorised person only.**
9. Do not operate this water heater with terminal box cover removed or loose.
10. This water heater is not intended to be operated or adjusted by young children or infirm persons. Young children must be supervised to ensure they do not interfere with the water heater.

11. This water heater is intended to be installed as a fixed appliance and must be installed on a hard, level surface. If installation is to be in a wet area or a concrete floor, ensure the water heater is mounted on a suitable and substantial raised base (eg: wood or concrete)
12. A water heater fitted with a power supply cord and plug, must be plugged into a weatherproof electrical outlet if installed outdoors. Take care not to touch the power plug with wet hands.
13. If the power supply cord, plug or electrical conduit to the water heater is damaged, it must be replaced by an authorised person in order to avoid a hazard. The power supply cord and plug must be replaced with a genuine replacement part available from an authorised Service Agent. Phone the Service number listed on the tank label or Accredited Service Agent to arrange for a service call.

SAFETY

Water Temperature

1. To meet regulatory requirements the temperature of stored water heater must not be less than 60°C.
2. The thermostat on your water heater is factory pre-set to 70°C which is suitable for the vast majority of domestic applications.
3. The thermostat setting can be adjusted between 60°C and 75°C. Adjustment must be by an electrician or other suitably qualified trades person.

Hot water can cause scalds and children, disabled and the elderly are at greatest risk. Scalds from hot water can result in severe injuries to young children. Feel water temperature before bathing or showering. Scalds can occur when children are exposed directly to hot water when they are placed into a bath that is too hot.

Additional temperature control or limiting devices such as tempering valves may be required to be fitted to this water heater to meet regulatory requirements regarding limiting of water temperature in your area.

Hydrogen Gas

If the hot water heater is not used for two weeks or more, a quantity of hydrogen gas, which is highly flammable, may accumulate in the water heater. To dissipate this safety, it is recommended that a non-electrically operated hot tap be turned on for several minutes at a sink, or bath, but not at dishwasher or other appliance. During this procedure there must be no smoking, open flame or any electrical appliance operating nearby. If hydrogen gas is discharged through the tap, it will probably make a sound like air escaping.

Safety Devices

This water heater is fitted with a combination Pressure and temperature (P&T) relief valve (approved to AS1357), a thermostat and a non self-resetting over-temperature cut-out for each model. It is imperative that safety devices are not tampered with and this can void warranty. Do not operate this water heater unless all safety devices are fitted and functioning normally.

IMPORTANT: Relief valves should be checked to be in sound working order in intervals not exceeding 5 years or more regularly in areas subject to water deposits. Checking should include operation of the relief valve to remove any lime deposits.

DANGER: FAILURE TO OPERATE THE RELIEF VALVE EASING GEAR AT LEAST ONCE EVERY SIX MONTHS MAY RESULT IN THE WATER HEATER EXPLODING. IT IS IMPORTANT THAT THE EASING GEAR ON THE VALVE BE RAISED AND LOWERED VERY GENTLY. FAILURE TO DO SO MAY RESULT IN THE WATER HEATER CYLINDER FAILING, OR UNDER CERTAIN CIRCUMSTANCES, EXPLODING.

IT IS NORMAL THAT SMALL QUANTITIES OF WATER (UP TO AROUND 15 LITRES OF WATER IN A 24 HOUR PERIOD) ARE RELEASED BY THE VALVE IN THE HEATING CYCLE, CONTINUOUS LEAKAGE OF WATER FROM THE VALVE MAY INDICATE A PROBLEM WITH THE WATER HEATER. IF THE VALVE DOES NOT DISCHARGE WATER WHEN THE EASING GEAR IS OPERATED, OR DOES NOT SEAL AGAIN, A SERVICE CALL SHOULD BE MADE WITHOUT DELAY. THE P&T VALVE IS NOT SERVICABLE.

DANGER: THE OPERATION OF THE THERMAL CUT-OUT INDICATES A POSSIBLY DANGEROUS SITUATION. DO NOT RESET THE THERMAL CUT-OUT UNTIL THE WATER HEATER HAS BEEN SERVICED BY A QUALIFIED PERSON.

PLEASE NOTE THAT WATER MAY DRIP FROM THE DISCHARGE PIPE OF THE PRESSURE-RELEIF DEVICE AND THAT THIS PIPE MUST BE LEFT OPEN TO THE ATMOSPHERE.

GENERAL INFORMATION

Your storage electric water heater consists of a vitreous enamel lined steel cylinder, an internally adjustable thermostat, a pre-painted zinc-coated steel shell or exterior, an immersion type element a sacrificial anode and a pressure and temperature (P&T) safety valve.

Water is stored within the steel inner tank and is heated to the thermostat cut-out temperature by the element. The P&T valve ensures water pressure and temperature does not exceed safe limits in the heating cycle. As the water is drawn off in normal every-day use, the thermostat will monitor the tank temperature and activate the element to ensure hot water is available. The thermostat is factory set at 70°C and is adjustable from 60°C to 75°C by an authorised person.

The tank is a mains pressure tank; that is, it is connected to the water supply mains. If the maximum cold water pressure exceeds 800kPa, a pressure limiting valve must be fitted.

The sacrificial anode in your water heater (located in a screw in fitting on the top of the water heater) will slowly dissipate while it protects the cylinder. It is usual to inspect and replace the anode every five years or more frequently in poor water quality areas.

Water heater life expectancy is dependent on a number of factors including water heater usage patterns, water quality and water pressure. Your electric water heater is, however, protected with a comprehensive warranty. Please see Water Heater Warranty.

IMPORTANT INFORMATION

Water Quality: This water heater has been designed and constructed to be suitable for connection to most water supplies in Australia. However, in areas where Total Dissolved Solids (TDS) exceeds 2500mg/L, detrimental effects on water heater performance and longevity will result.

Anode - Should your water supply have a TDS of greater than 600mg/L, the installed anode must be the “blue” one (aluminium) or hydrogen gas can accumulate at the top of the water heater in long periods of no use. When this is likely to occur, the installer should instruct the householder on how to dissipate the gas safely. This process is explained above under “Safety”. The change of anode must be done by a plumber or authorised service person.

Corrosive Water – Water deemed to be corrosive can attack copper parts causing them to fail. When the water supply Saturation Index (check with your local water supplier for additional information) is less than -1.0, water is deemed corrosive and a corrosion resistant heating unit should be used. The effect of scaling water is the build-up of calcium carbonate onto hot metallic surfaces. When the Saturation Index is greater than +0.40, an expansion control valve must be fitted on the cold water line after the non-return valve. Should the Saturation Index exceed +0.80, a low-watts density heating unit should be fitted to your water heater by your local authorised service agent.

Refer to Water Heater Warranty for additional information relating to water quality, corrosive water and warranty provisions.

In some areas in Australia including areas with scaling waters, South and Western Australia, Expansion Control Valves (ECV’s) are fitted to the cold water inlet line. This valve may discharge a small amount of water in the heating cycle rather that the P&T valve located on the water heater.

IMPORTANT: Where fitted, gently operate the easing lever on the ECV every six months and replace at intervals not exceeding 5 years or more frequently where there is an incidence of water deposits.

If you intend being away from your house for only a few days, we suggest you leave the water heater switched on. If the water heater is to be switched off, the switch is generally marked and located in the meter box. When the water heater switch is turned back on, it may take several hours before sufficient hot water becomes available.

Tariffs: This water heater is suitable for connection to either Continuous or Off-Peak Tariffs depending on water usage and household requirements. Where the household requirements for hot water exceeds the water heater capacity, Continuous Tariff is generally applicable. Where hot water demand is less than water heater capacity, Off-Peak Tariffs may be applicable. Note that Off-Peak tariff "on" times and costs vary from location to location, however are generally less expensive than Continuous Tariff rates.

INSTALLATION INSTRUCTIONS

LOCATION: This storage electric water heater can be located outdoors or indoors and should be installed in a location as follows:

- As close as practical to the kitchen or area of highest hot water use;
- Foundations must be stable, level and well ventilated and the combined weight of the complete installation including water heater, water and fittings must not affect the integrity of any structure.
- The water heater must be accessible without the use of a ladder or scaffold;
- In a position with safety and ease of service in mind;
- If installed indoors in cupboards or enclosures, ensure a 50mm clearance from the outer case of the water heater to the internal dimensions of the enclosure;
- With access to thermostat and element at the front of the water heater;
- Easy access for replacement of P&T Valve if necessary;
- Adequate provision must be made available for removal of water that escapes from valves to avoid damage to property;
- Electrical Junction Box must be accessible for a Service Agent;
- Information on the technical label must be able to be read;
- If possible, allow for the height of the water heater above the installed water heater for anode removal and replacement; and
- The location must comply with the provisions of AS/NZS3500.4 and AS/NZS3000 and all local codes and requirements. In New Zealand, the installation must also comply with the New Zealand Building Code.

PLUMBING CONNECTIONS:

FLUSH OUT PIPES BEFORE CONNECTING THIS WATER HEATER TO ENSURE NO FOREIGN MATTER CAN BLOCK THE VALVE SEAT AND USE LINE STRAINERS WHERE REQUIRED BY LOCAL AUTHORITIES.

CONNECTIONS TO THIS WATER HEATER MUST NOT BE WELDED, BRAZED OR SOLDERED CONNECTIONS. CONNECT ONLY WITH COMPRESSION FITTINGS
(Internal pipes for inlet, outlet and valve are PPR. These pipes must not be removed).

Water Connection – Cold and Hot Water connections are RP ¾"/20 and market "Inlet" and "Outlet" respectively. As the unit is dual handed, brass plugs are supplied to fill unused inlet and outlet fittings. All other fittings must be in accordance of the provisions of AS/NZS3500 and local regulatory requirements. It is recommended that a heat trap be installed in the hot water line and that the hot water lines after the heat trap are insulated. Note that where water pipes are to be attached to the tank exterior, screws of maximum length 25mm should be used and any damage to the tank will not be covered by warranty.

P&T Valve Connection – The valve thread is RP 1/2"/15 and marked "VALVE". Ensure that the valve probe is straight and undamaged. Carefully apply Teflon tape to the valve ensuring that the tape does not extend past the end of the thread. The 15mm OD (se AS3500.4.2) drainpipe must be fitted to the relief valve to carry discharge safely away from the water heater. This pipe must fall continuously, shall be left open to the atmosphere and shall be in a frost free environment.

Fittings – The installer is required to determine whether a pressure limiting valve is required (500kPa is recommended for high pressure areas) and whether a cold water expansion valve (ECV) is required. An ECV is required where "Scaling" water exists having a total hardness in excess of 200mg/Litre (expressed as calcium carbonate) or where the saturation index is in excess of +0.4 as detailed under water quality.

ELECTRICAL CONNECTIONS

Connection to this storage water heaters must be from a single phase 240V 50 Hertz supply and comply with AS/NZS 3000 Wiring Rules and New Zealand Building Code for installations in New Zealand.

All electrical connection must be made by an authorised person. If there is any doubt regarding the electrical connections or electrical safety, please consult a Registered Electrical Contractor or the local office of the Electricity Supply Authority.

Connection is made at the water heater at the terminal strip located under the terminal box cover. This cover can be removed simply be removing the two screws on the outer casing and lifting off the lid. Termination must be made by terminating conduit with a suitable cable entry gland on the entry provision cut away section on the terminal box lid. A small length (approximately 30mm) of 13mm thick Armaflex (or similar product)

can then be positioned over the termination gland and used to completely seal the cut away section on the terminal box lid as shown in the figure below.

The cover and case are designed to accept a 20mm conduit. Fit an appropriate gland or conduit fitting at the terminal box opening to seal the terminal box prior to completion of the installation.

Figure 1. 20mm corrugated plastic conduit cable entry into the terminal box with Armaflex sealant to terminal box lid.

IMPORTANT: ENSURE THE POWER SUPPLY TO THE WATER HEATER IS SWITCHED AND LOCKED OFF AND THE FUSE REMOVED AT THE MAIN ELECTRICAL SWITCHBOARD BEFORE THE ELECTRICAL COVER IS REMOVED.

The electrical enclosure is tested and approved to IP34.

Electrical Connection – The following must be observed during installation.

1. Check all connections as wires may work loose in transit.
2. Check that thermostat setting is 70°C which is factory setting and adjust if required.
3. Ensure that the circuit incorporates a switch or circuit breaker that has an air gap in the active conductor.
4. Do not break or remove sections of metallic water tubing used as an earth electrode for an electrical installation before suitable precautions have been taken to ensure it is safe to do so.
5. Internal wiring in this water heater is rated at a minimum 20 amps and thermostat contacts are rated at 30 amps.
6. The household wiring to the water heater must be rated to withstand the element load.

SERVICE AND REPAIR

Routine Service

Routine service will assist in prolonging the life of your water heater and help ensure trouble free operation.

The Pressure and Temperature valve should be operated every six (6) months by gently raising the lever for a period of around 10 seconds to ensure water flow from the drain pipe. The valve lever can then be gently lowered. Should water not flow, immediately contact a service technician.

A regular 5-year service plan by an authorised person would include:

1. Draining the water heater:
    a. Turn off and lock off the power supply to the water heater and remove the fuse at the main switchboard
    b. Turn off the cold water supply to the inlet
    c. Gently raise the lever on the Pressure & Temperature valve to relieve the pressure in the water heater until flow stops
    d. Undo the cold water union and attach a hose to the water heater connection
    e. Operate the lever on the P&T valve again allowing air into the water heater. The water heater will drain through the hose.

2. Filling the water heater
    a. Open all hot taps in the house
    b. Open the cold water line to the heater
    c. Close each tap as water flows freely from it
    d. Check all piping for leaks

3. Flushing the water heater: Complete the Draining operation (1., above) then disconnect the hot water outlet connection and attach a water supply hose to the water heater. Turn on the water supply to the outlet connection and allow flow until the flow from the inlet becomes clear.

4. Element Replacement
    a. Turn off and lock off the power supply to the water heater and remove the fuse at the main switchboard
    b. Drain the water heater as described above
    c. Disconnect the element electrical connections from the thermostat
    d. Remove the four element fixing bolts and remove the element
    e. Insert the replacement element and new rubber seal and replace the four fixing bolts making sure that the element sickle is pointing down and that the four bolts are tensioned evenly and firmly

f. Reconnect the element ensuring connections to the thermostat and element are tight
g. To complete the replacement, reverse the steps for draining the water heater listed above. Ensure that the water heater is full of water before reconnecting the electrical supply.

5. Anode Replacement
    a. Turn off and lock off the power supply to the water heater and remove the fuse at the main switchboard
    b. Turn off the cold water supply to the inlet
    c. Gently raise the lever on the Pressure & Temperature valve to relieve the pressure in the water heater until flow stops
    d. Remove the anode cap located on the top of the water heater and unscrew the anode using a 27mm socket
    e. Remove and replace the anode
    f. Reverse the draining procedure and ensure the water heater is full of water before reconnecting the power supply.

Save a Service Call

In many instances, calling on our service network may be avoided. Check out the following to see whether your hot water service may be returned to service and service agent call out fees averted.

1. Lack of hot water – Ensure that the power to the water heater is turned on and the meter box. Generally, there is an isolating switch marked “Hot Water” or “Water Heater”. There may also be another isolating switch near the water heater. Also check the fuse or circuit breaker at the meter box. Note that repeated failure of the fuse or circuit breaker indicates a fault and an authorised service agent should be contacted to investigate the fault.
2. High hot water usage – Generally related to increased showering times. Investigate water saving devices such as flow reduction valves or water saving shower roses.
3. High electricity bills – Generally linked to 2., above. However, leaking valves and pipework may also be responsible and require attention by a plumber. Finally, increases in energy tariffs may also be responsible. Check with your energy supplier.
4. Continuous discharge from valves - Discharges of more than around 15 litres of water in a 24 hour period indicates that the valve may not be functioning correctly. This may be remedied by gently easing the valve lever for a few seconds as described under Routine Service to dislodge any foreign matter. Continual flow may also indicate high water pressure which will require a pressure limiting valve to be fitted by an authorised person.

DIMENSIONS AND SPECIFICATIONS

	0501T36	0801T18	1251T18	1601T24	2501T36	3151T36	4001T36
Nominal Delivery (L)	50	80	125	160	250	315	400
Stored Capacity (L)	56	95	142	200	270	340	450
Element Rating (kW)	3.6	1.8	1.8	2.4	3.6	3.6	3.6
Weight (empty) (kg)	27	41	55	67	85	102	145
Dimensions							
Overall Height (mm)	653	1033	1482	1484	1387	1690	1711
Outside Diameter (mm)	470	470	470	540	648	648	732
Height to Inlet (mm)	82	82	82	82	82	82	82
Height to Outlet (mm)	480	852	1303	1300	1175	1478	1474
Height to T/Box (mm)	90	90	90	100	140	140	190
Relief Valve Angle (°)	23	23	23	23	32	32	30
T/Box Angle (°)	58	58	58	58	88	88	88
Angle – Outlet to Outlet (°)	116	180	180	180	180	180	180
Relief Valve Setting	1,000kPa (50L to 250L) and 850 kPa (315 and 400L)						
Expansion Control Valve (ECV)	750 kPa						
Max. Supply Pressure with ECV	680kPa						
Max. Supply Pressure w/out ECV	800kPa						
Water Connections	Inlet / Outlet RP ¾" PTR Valve RP 1/2˝						
Thermostat	Factory Set 70°C (Range 60°C to 75°C)						
Outer Case Material	Painted Zinc Coated Steel						
Inner Tank Material	Enamel lined Steel Cylinder						
Insulation	CFC Free Polyurethane						
Indoor / Outdoor Rating	IP34						
Warranty❶	All Parts & Labour – 1 Year. Tank Replacement (Excluding Labour after year 1) 7 Years (Refer warranty Provisions and Exclusions)						

Notes:

1. Please refer to Product Warranty for full explanation regarding items covered and exclusions
2. Specifications subject to change without notice
3. ECV not supplied with water heater

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PRODUCT WARRANTY

All benefits associated with this warranty are in addition to all other rights regarding this product contained within the Trade Practices Act and other State and Territory laws.

The warranty for this product specifically relates to remedies as a result of defects due to faulty materials and/or workmanship

Parts and labour repair or replacement warranty for this water heater is offered in accordance with the following table and Warranty Conditions:

Tank Only (Steel Cylinder)	Parts	7 Years
	Labour	1 Year
All other parts (inc Valves, Thermostats)	Parts	2 Years
	Labour	1 Years

Warranty Conditions

1. Water heater must be installed in a single family domestic dwelling.
2. All terms of this warranty are effective from the date of manufacture of the water heater except where the date of installation can be clearly verified with a Certificate of Compliance where the installation date is within 6 months of date of manufacture.
3. Water heaters must be installed in accordance with manufacturer's installation instructions (including installation of a safe tray), AS3500.4, AS3000, AS5601 in addition to all local regulations and municipal building codes.
4. Where a failed water heater or component is replaced under warranty, the balance of the original warranty period will remain effective. The replaced water heater or component does not carry a full warranty.
5. Where a water heater is installed outside of the boundaries of a metropolitan area or further than 25km from a registered service agent, the cost of transport, insurance and travelling costs to the installed site shall be the owner's responsibility.
6. Where the water heater is installed in a position that does not allow easy safe access, the cost of accessing the water heater safely, including the cost of additional materials handling and/or safety equipment, shall be the owners responsibility.
7. This water heater warranty applies only to the installed water heater and does not apply to installation work undertaken by the installer or any parts including valves, fuses, switches etc that were supplied by the installer.
8. The water heater must be correctly sized to meet the requirements of the household in accordance with the guidelines in the water heater instruction manuals and printed materials.

Warranty Exclusions

1. THE FOLLOWING WARRANTY EXCLUSIONS MAY VOID THE WATER HEATER WARRANTY AND/OR MAY INCUR ADDITIONAL SERVICE CHARGES AND/OR COSTS OF PARTS.

    a) Accidental damage to the water heater or any component including: Acts of God, failure due to misuse, incorrect installation and attempts to repair the water heater other than by a registered service agent.
    b) Where it is found that there is nothing wrong with the water heater or the electricity supply is turned off or disconnected
    c) Where the complaint is related to excessive discharge of the pressure and temperature liming valve due to high water pressure
    d) Where excessive electricity or water usage which occurs as a consequence of failure of the water heater or components or workmanship
    e) Where the water heater has failed directly or indirectly as a result of the attachment of accessories other than those approved by the manufacturer, excessive water pressure, excessive temperature or blocked pipework including overflow/vent drain
    f) Where faulty plumbing has affected the performance of the water heater and/or the installation including plumbing pipes and fittings or restricted flow
    g) Where the water heater is located in a position such that it requires major dismantling of cupboards, walls or doors or use of special equipment to bring the water heater to a serviceable position or return to the manufacturer
    h) Repair and/or replacement of the water heater due to scale formation and the effects of corrosive water when the water heater has been connected to a scaling or corrosive water supply or a water supply with a high chloride or low pH level in the Installation Manual under Important Information.
    i) All costs associated with a warranty claim are the to the responsibility of the owner

2. Subject to any statutory provisions to the contrary, this warranty excludes any and all claims for damage to furniture, carpets, walls, foundations or any other consequential loss, either directly or indirectly due to leakage from the water heater, or due to leakage from fittings and/or pipework of metal, plastic or other materials caused by water temperature, workmanship or other modes of failure.

3. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonable 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.

WARRANTY FORM

Model: _____

Distributed by: _____

Please fill in the details hereunder and retain this warranty together with your purchase invoice, which must be presented when making a warranty claim. Note – all information below must be completed and presented with any claim for warranty. Failure to do so may void the warranty.

OWNER'S NAME: _____

INSTALLATION ADDRESS: _____

SERIAL NO: _____

INSTALLERS COMPANY NAME: _____

TRADESMANS NAME: _____

INSTALLERS LICENCE NUMBER: _____

DATE OF INSTALLATION: _____

INSTALLER SIGNATURE: _____

This warranty does not exclude, limit or modify any warranty, condition or liability which is or may be implied or imposed on the Company by virtue of the Trade Practices Act, 1974, or any other statute, law, rule or regulation except for the extent to which the Company is lawfully entitled. Note that the manufacturer, distributor or it's agent is not liable for any expenses associated with making a warranty claim.

Please return to:

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