



STAINLESS STEEL ELECTRIC STORAGE WATER HEATER

INSTALLATION, OWNER & WARRANTY MANUAL

50L | 80L | 125L | 160L | 250L | 315L | 400L

Duplex 2205 Stainless Steel

IMPORTANT

Read this manual carefully before installation, operation or servicing.
Retain it for future reference.



ABOUT THIS MANUAL

This manual contains important information for the safe installation, operation, maintenance and warranty of your OMNI X Stainless Steel Electric Storage Water Heater.

Installation, electrical connection and servicing must be carried out by appropriately licensed tradespeople and in accordance with applicable Australian Standards, local authority requirements and the instructions contained in this manual.

Please retain this manual together with your proof of purchase and installation documentation. These may be required when making a warranty claim.

CONTENTS

Important Safety Information	3
Installation Requirements	4
Plumbing Connections	5
Water Supply & Temperature Protection	6
Product Specifications	7
Filling & Draining	8
Electrical Connection	9
Operation & Maintenance	10
Before Requesting Service	11
Warranty Overview	12
General Warranty Conditions	13
Warranty Exclusions & Water Quality	14
Australian Consumer Law & Warranty Claims	15
Installation Record & Contact Details	16

NEED HELP?

For advice, service or warranty assistance:



OMNI X Technologies

1300 993 396



IMPORTANT SAFETY INFORMATION



WARNING — HOT WATER

This appliance can deliver water at temperatures capable of causing serious scalding. The installation must comply with the Plumbing Code of Australia, applicable local regulations and requirements relating to the control of hot-water delivery temperatures. Where required, an approved temperature-control device must be installed to limit the temperature of water supplied to outlets used primarily for personal hygiene.



WARNING — INSTALLATION AND SERVICE

For continued safe operation, this water heater must be installed, operated and maintained in accordance with this manual.

DO NOT:

- **modify the water heater;**
- **operate the unit with electrical covers or protective components removed;**
- **interfere with the thermostat, safety cut-out or relief valve;**
- **store flammable materials or spray aerosols close to the water heater.**

Electrical covers must only be removed by a licensed electrician or appropriately qualified tradesperson after the electrical supply has been safely isolated.



PRESSURE & TEMPERATURE RELIEF VALVE

A correctly rated **Pressure & Temperature Relief (PTR) Valve — 700 kPa** must be fitted to the water heater.

The PTR Valve must not be removed, blocked, sealed or tampered with.

Its drain line must remain open to atmosphere and must discharge safely in accordance with applicable plumbing requirements.

A small amount of water may discharge from the PTR Valve during normal heating. Continuous or excessive discharge may indicate a fault.

If continuous discharge occurs, switch off the water heater and contact a licensed tradesperson or OMNI X.

AFTER AN EXTENDED PERIOD OF NON-USE

If the water heater has not been used for two weeks or more, hydrogen gas may accumulate within the storage cylinder.

Before using the system, open a hot-water tap for several minutes to allow any accumulated gas to escape.

During this procedure, ensure there is no smoking, open flame or other ignition source nearby.



INSTALLATION REQUIREMENTS

GENERAL

The water heater must be installed by appropriately licensed tradespeople and in accordance with:

- the Plumbing Code of Australia;
- AS/NZS 3500.4 — Plumbing and Drainage — Heated Water Services;
- AS/NZS 3000 — Electrical Installations;
- applicable state, territory and local authority regulations; and
- the instructions supplied by OMNI X.

Failure to install the water heater correctly may affect safety, performance and warranty coverage.

LOCATION

Locate the water heater:

- as close as practical to the principal points of hot-water use;
- on a flat, solid and structurally adequate surface;
- in a position where the rating plate and safety labels remain visible;
- with adequate access for inspection, service and component replacement;
- where electrical and plumbing connections remain accessible.

Where leakage could cause damage to the building or surrounding property, install an approved, correctly drained safe tray where required by applicable regulations.

Do not use the connecting pipework to support the weight of the water heater.

SERVICE ACCESS

Allow adequate access to the:

- electrical cover;
- thermostat and heating element;
- PTR Valve;
- cold-water inlet;
- hot-water outlet; and
- associated valves and plumbing.

Do not permanently enclose the water heater in a manner that prevents reasonable access for servicing or replacement.



PLUMBING CONNECTIONS

All plumbing work must be carried out by a licensed plumber and comply with applicable regulations and Australian Standards.

PRESSURE & TEMPERATURE RELIEF VALVE

The water heater must be fitted with the specified **700 kPa Pressure & Temperature Relief Valve**.

Install the PTR Valve only in the designated relief-valve connection.

The drain from the PTR Valve must:

- discharge to an approved location;
- fall continuously towards the discharge point;
- remain open to atmosphere;
- be protected from conditions that could prevent drainage; and
- contain no valve, plug or other restriction.

The PTR Valve must not be used as a connection point for another appliance or supplementary heat source.

HOT-WATER OUTLET

Connect the hot-water supply pipe to the connection identified HOT WATER OUTLET.

Insulate hot-water pipework where appropriate to reduce heat loss.

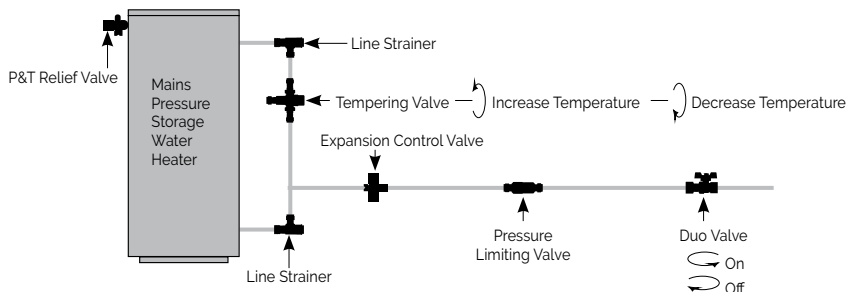
COLD-WATER INLET

Connect the incoming water supply to the connection identified COLD WATER INLET.

The cold-water supply arrangement must incorporate the valves and controls required by applicable plumbing regulations and the site conditions.

All valves, fittings and pipework used with the water heater must be approved for the intended application.

TYPICAL INSTALLATION



WATER SUPPLY & TEMPERATURE PROTECTION

PRESSURE CONTROL

The incoming water supply must be controlled to suit the operating requirements of the water heater and associated plumbing components.

Where pressure control is required, the OMNI X Pressure Limiting Valve may be installed in the incoming cold-water supply.

OMNI X PRESSURE LIMITING VALVE

Model: OMNIX15PLV

Connection: 15 mm compression

Outlet pressure: 500 kPa

Maximum inlet pressure: 2000 kPa

Maximum operating temperature: 80°C

The Pressure Limiting Valve must be installed in the correct direction of flow and remain accessible for inspection and servicing.



TEMPERATURE CONTROL

Hot water stored in the cylinder may be at a temperature capable of causing serious scalding.

Where required, an approved tempering valve must be installed to provide controlled-temperature water to sanitary fixtures.

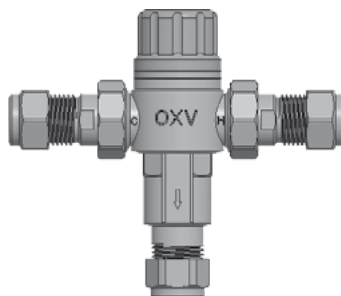
OMNI X TEMPERING VALVE

Recommended outlet temperature: 40°C–50°C

Minimum flow rate: 4 L/min

Maximum operating temperature: 99°C

Tempered water delivered to sanitary fixtures must not exceed the temperature limits required by applicable plumbing regulations.



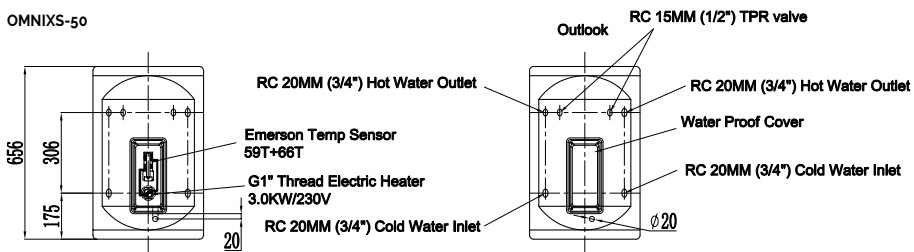
EXPANSION CONTROL

An expansion-control valve may be required depending on local regulations and installation conditions.

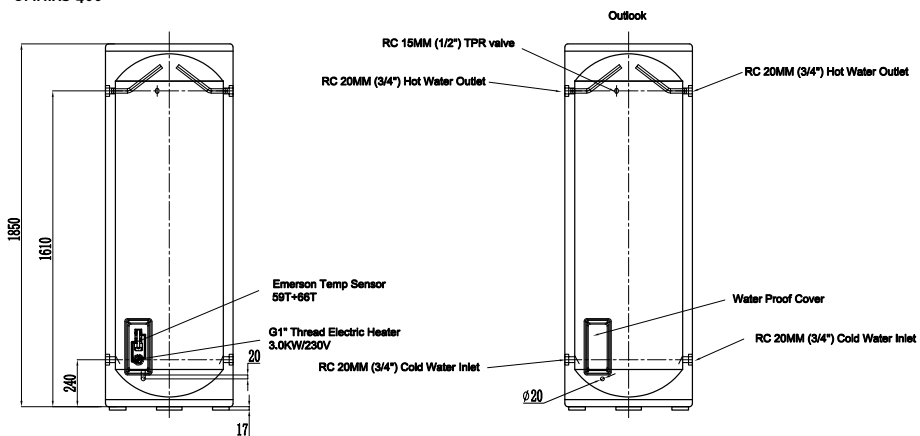
Where fitted, it must be installed in accordance with the relevant plumbing requirements and provided with an approved drain arrangement.

PRODUCT SPECIFICATIONS

OMNIXS-50



OMNIXS-400



OMNI X STAINLESS STEEL ELECTRIC STORAGE RANGE

Model	Capacity	Height	Diameter/Width	Heating Element
OMNIXS-50	50 L	656 mm	420 mm	3 kW
OMNIXS-80	80 L	890 mm	470 mm	3 kW
OMNIXS-125	125 L	—	—	3 kW
OMNIXS-160	160 L	—	—	3 kW
OMNIXS-250	250 L	1499 mm	600 mm	3 kW
OMNIXS-315	315 L	1764 mm	600 mm	3 kW
OMNIXS-400	400 L	1850 mm	650 mm	3 kW

COMMON SPECIFICATIONS

Specification	Rating
Water heater type	Electric storage
Cylinder material	Duplex 2205 stainless steel
Insulation	50 mm high-density polyurethane
Electrical supply	220–240 V AC
Element output at 220 V	3000 W
Element output at 240 V	3600 W
PTV Valve rating	700 kPa

FILLING THE WATER HEATER



IMPORTANT

The storage cylinder must be completely filled with water before the electrical supply is switched on.

1. Ensure the electrical supply to the water heater is switched OFF.
2. Open the hot-water taps connected to the system.
3. Slowly open the cold-water isolating valve.
4. Allow the cylinder to fill until water flows continuously from the hot-water taps and all air has been expelled.
5. Close each hot-water tap.
6. Carefully raise the PTR Valve easing lever for approximately 10 seconds.
7. Confirm that water discharges freely through the PTR drain line.
8. Lower the lever gently and confirm that the valve closes correctly.
9. Check the water heater and all plumbing connections for leakage.

Only after the cylinder is completely filled and all air has been expelled may the electrical supply be switched on.

DRAINING THE WATER HEATER

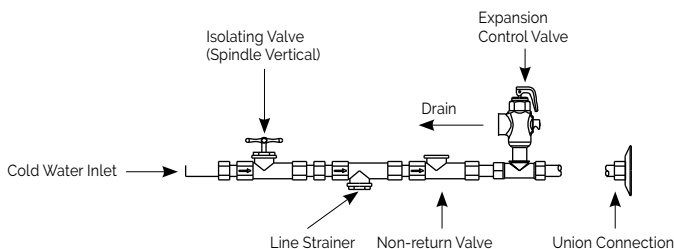
Draining should be carried out by an appropriately qualified person.

1. Switch off and isolate the electrical supply.
2. Close the cold-water isolating valve.
3. Allow the stored water to cool where practicable.
4. Carefully operate the PTR Valve easing lever to release pressure.
5. Arrange an approved means of draining the cylinder through the cold-water connection.
6. Open the PTR Valve to allow air to enter the cylinder while the water drains.



WARNING

Water discharged from the cylinder or relief valve may be very hot. Take appropriate precautions to prevent scalding.



ELECTRICAL CONNECTION



WARNING — ELECTRICAL HAZARD

Electrical installation and servicing must only be carried out by a licensed electrician.

The electrical installation must comply with AS/NZS 3000 — Electrical Installations and applicable local supply authority requirements.

A suitable means of isolating the water heater from the electricity supply must be incorporated in the fixed wiring.

ELECTRICAL RATINGS

220 V AC — 3000 W

240 V AC — 3600 W

BEFORE REMOVING THE ELECTRICAL COVER

Switch off and safely isolate the electrical supply.

Confirm that the circuit is de-energised before touching any electrical components.

CONNECTION

Feed the supply cable through the designated cable entry using an appropriate cable gland.

Connect the supply conductors in accordance with the wiring diagram:

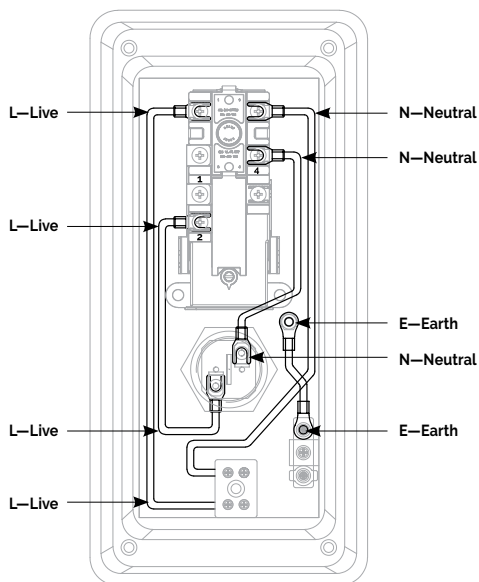
L — Live / Active

N — Neutral

E — Earth

Ensure that:

- all terminal connections are secure;
- the earth connection is correctly installed;
- wiring is kept clear of hot components and sharp edges;
- excess wiring is not looped around the thermostat, heating element or cylinder; and
- the electrical cover is securely refitted before the water heater is energised.



BEFORE SWITCHING ON

NEVER ENERGISE AN EMPTY WATER HEATER.

Confirm that the storage cylinder has been completely filled with water and all air has been expelled before switching on the electrical supply.



OPERATION & MAINTENANCE

NORMAL OPERATION

Once the cylinder has been completely filled and all installation checks have been completed, the electrical supply may be switched on.

The thermostat controls operation of the heating element to maintain the stored water temperature.

Heating and recovery time will vary according to:

- storage capacity;
- incoming water temperature;
- electrical supply voltage;
- heating-element output;
- hot-water usage; and
- tariff or external control arrangements.

Do not tamper with the thermostat, over-temperature safety cut-out or other safety devices.

SIX-MONTH PTR VALVE CHECK

The PTR Valve should be operated periodically to verify that it can discharge freely.

1. Stand clear of the drain outlet.
2. Carefully raise the PTR Valve easing lever.
3. Hold the lever open for approximately 10 seconds.
4. Confirm that water flows freely through the drain.
5. Lower the lever gently.
6. Confirm that the valve closes correctly.



CAUTION — HOT WATER MAY BE DISCHARGED.

If the valve does not operate correctly or continues to discharge after the lever has been released, contact a licensed plumber.

PERIODIC INSPECTION

Periodic inspection of the installation is recommended.

Check:

- PTR Valve and drain;
- pressure-control components;
- tempering valve where fitted;
- line strainers;
- plumbing connections;
- heating element;
- thermostat and over-temperature cut-out;
- electrical wiring and connections; and
- electrical cover and cable entry.

BEFORE REQUESTING SERVICE

Review the following checks before arranging a service call.



NO HOT WATER

Check whether:

- the electricity supply is switched on;
- the circuit breaker or safety switch has tripped;
- power is currently available to the water heater;
- an off-peak tariff, timer or external controller is operating correctly.

If circuit protection repeatedly trips, switch the water heater off and contact a licensed electrician.



INSUFFICIENT HOT WATER

Check whether:

- hot-water consumption has increased;
- the water heater capacity is suitable for current demand;
- a hot-water tap or pipe is leaking;
- the PTR Valve is discharging excessively;
- the water heater is receiving sufficient heating time.



REDUCED WATER FLOW

Reduced flow may be caused by debris within the water supply or a blocked line strainer.

Have the line strainer inspected and cleaned where required.



WATER DISCHARGING FROM THE PTR VALVE

A small quantity of water may discharge during heating as the stored water expands.

Continuous or excessive discharge may indicate:

- excessive water pressure;
- a faulty PTR Valve;
- a thermostat or temperature-control fault; or
- another system problem.

Carefully operate the PTR Valve easing lever briefly, then release it.

If excessive discharge continues, switch off the water heater and contact a licensed service technician.

STILL NEED ASSISTANCE?

OMNI X Technologies

1300 993 396



OMNI X ELECTRIC STORAGE WATER HEATER WARRANTY

This warranty is provided by **Omni X Technologies Pty Ltd** for OMNI X Stainless Steel Electric Storage Water Heaters installed in Australia.

It covers defects in materials and workmanship under normal use, subject to the conditions and exclusions contained in this manual.

WARRANTY PERIODS

Component	Parts	Labour
Duplex Stainless Steel Cylinder	12 years	1 years
Heating Element, Thermostat & Other Supplied Components	1 years	1 years
PTR / Relief Valve	2 years	1 years

TECHNICAL REFERENCE

Specification	Rating
Electrical supply	220–240 V AC
Element output at 220 V	3000 W
Element output at 240 V	3600 W
PTR Valve rating	700 kPa

WARRANTY COMMENCEMENT

The warranty period commences from the date of installation where satisfactory proof of installation is available.

Replacement of a water heater or component under warranty does not restart the original warranty period. Any replacement carries only the remaining balance of the applicable original warranty period.

ELIGIBILITY TO MAKE A CLAIM

To make a warranty claim:

- the claimant must be the product owner or authorised to act on behalf of the owner;
- the claim must be made within the applicable warranty period;
- the original serial number and rating labels must remain identifiable;
- the product must have been installed in Australia by appropriately licensed tradespeople;
- installation must comply with OMNI X instructions and applicable standards; and
- proof of purchase and installation must be provided.

GENERAL WARRANTY CONDITIONS

Subject to rights that cannot be excluded under the Australian Consumer Law:

1. Repairs or replacements will be at the discretion of OMNI X Technologies.
2. Any replacement product or component carries only the remaining balance of the original warranty period.
3. Labour coverage applies only for the applicable period stated in the warranty table.
4. Labour coverage is limited to 2 hours, including travel of up to 25 km. Costs beyond this allowance are the responsibility of the owner.
5. Warranty applies only where the water heater has been installed, operated and maintained in accordance with OMNI X instructions, applicable Australian Standards and statutory requirements.
6. Alterations, unauthorised repairs or the use of non-approved or unsuitable replacement parts may result in a warranty claim being declined where they cause or contribute to the fault.
7. Claims must include sufficient information to identify the product, installation and reported defect.
8. Claims must be lodged promptly after the defect becomes apparent and within one month of detection.
9. Freight and insurance charges outside applicable metropolitan service areas are the responsibility of the owner.
10. The owner must provide reasonable access to the water heater for inspection, service, repair or replacement.



WARRANTY EXCLUSIONS

To the extent permitted by law, this warranty does not cover damage, malfunction or failure resulting from:

- misuse, neglect, accidental damage, vandalism or natural disasters;
- incorrect installation;
- work carried out by an unlicensed or unauthorised person;
- faulty or non-compliant plumbing;
- faulty or unsuitable electrical supply;
- excessive water-supply pressure;
- water quality outside the specified limits;
- freezing;
- insects, vermin or rodents;
- power surges or lightning;
- unauthorised modification or repair;
- unsuitable or non-approved replacement components;
- relocation of the water heater from its original installation site;
- ancillary plumbing or electrical components not supplied by OMNI X; or
- cosmetic damage or environmental deterioration not caused by a defect in materials or workmanship.

CYLINDER WARRANTY CONDITIONS

The Duplex stainless-steel storage cylinder is warranted for **7 years** against leakage caused by defective materials or workmanship.

Labour associated with an eligible cylinder warranty claim is covered for **5 years**, subject to the general warranty conditions.

RELIEF VALVE WARRANTY CONDITIONS

The relief valve is warranted for:

Parts — 2 years

Labour — 2 years

Only an appropriately rated approved relief valve may be used as a replacement.

WATER QUALITY REQUIREMENTS

Parameter	Limit
Total Dissolved Solids	< 600 mg/L
Total Hardness (CaCO ₃)	< 200 mg/L
Chloride	< 300 mg/L
pH	6.5–8.5
Iron	< 1 mg/L
Sodium	< 150 mg/L
Magnesium	< 10 mg/L
Electrical Conductivity	850 µS/cm
Free CO ₂	< 25 mg/L

AUSTRALIAN CONSUMER LAW

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 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.

HOW TO MAKE A WARRANTY CLAIM

To initiate a warranty claim, contact the OMNI X Technologies Warranty Department.

Please provide:

1. Product model number.
2. Product serial number.
3. Proof of purchase.
4. Proof and date of installation.
5. Installer details where applicable.
6. Photographs of the water heater and installation.
7. A detailed description of the issue.



WARRANTY CONTACT

Omni X Technologies Warranty Department

Phone: 1300 993 396

Email: sales@omnixtechnologies.com.au

Address: 34 Forge Street, Blacktown NSW 2148



INSTALLATION RECORD

Please complete and retain this information together with your proof of purchase.

Capacity: _____

Model Number: _____

Serial Number: _____

Date of Purchase: _____

Date of Installation: _____

Installer's Name: _____

Installer's Company: _____

Plumber Licence No.: _____

Electrician Licence No.: _____

Installer Phone: _____

Installer Signature: _____

KEEP THIS MANUAL

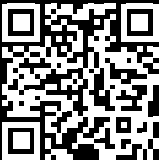
Retain this manual, proof of purchase and installation documentation for future service and warranty requirements.



Address: 34 Forge Street Blacktown NSW 2148
Phone: 1300 993 396

sales@omnixtechnologies.com.au
www.omnixtechnologies.com.au

Scan for product information and documentation



www.omnixtechnologies.com.au