



**HYDRALUX**  
SMARTER HOT WATER



**W**  
Watermark  
LIC WMK25913  
AS3498



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**User manual & warranty conditions  
HYDRALUX STAINLESS STEEL  
STORAGE VESSELS, ELECTRIC WATER  
HEATERS & HEAT EXCHANGE  
WATER HEATERS**

## 1.0 WARNINGS

**FOR CONTINUED SAFETY OF THIS APPLIANCE IT MUST BE INSTALLED, OPERATED AND MAINTAINED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.**

**INSTALLATION SHALL CONFORM WITH THE PLUMBING CODE OF AUSTRALIA (PCA).**

**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. CHILDREN SHOULD BE SUPERVISED TO ENSURE THAT THEY DO NOT PLAY WITH THE APPLIANCE.**

### SCALDING

**THIS APPLIANCE MAY DELIVER WATER AT HIGH TEMPERATURE. REFER TO THE PLUMBING CODE OF AUSTRALIA (PCA), LOCAL REQUIREMENTS AND INSTALLATION INSTRUCTIONS TO DETERMINE IF ADDITIONAL DELIVERY TEMPERATURE CONTROL IS REQUIRED.**

### SAFETY

Use only qualified trades people or Wilson's nominated service technicians for installation and repairs. Installations must have electrical and plumbing compliance certificates.

### TEMPERATURE SETTING

Maximum temperature is 80°C, unless specified on order.

### OVER TEMPERATURE / OVER PRESSURE PROTECTION

**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.**

This unit is fitted with a pressure and temperature relief valve. This equipment must not be interfered with and must only be serviced by a suitably qualified technician. See section **4.0 Regular Maintenance** on Pressure and Temperature relief valve.

### HYDROGEN GAS BUILDUP (units with anodes fitted only)

If the hot water system 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 gas safely, it is recommended that a hot tap be turned on for several minutes at a sink, basin, or bath, but not at a dishwasher, clothes washer or other appliance. During this procedure there must be no smoking, open flame or any electrical appliance operating nearby. If hydrogen is discharged through the tap, it will probably make a sound of air escaping.

### TRANSPORTING VESSELS

Vessels must only be transported empty (including when installing).

**HYDRALUX Heat Exchange coiled vessels are warranted up to 3 years from date of the original purchase based on the conditions below:**

**For the period up to and including the 2nd year after the date of original purchase,** At the discretion of Wilson Industries Pty Ltd, repair or replace any defective part or make any mechanical adjustment necessary to maintain the HYDRALUX unit in a serviceable condition, including the cost of labour.

**For the period of 2-3 years after the date of original purchase,** The same warranty will apply except that the original purchaser will be charged 50% of such repair work and or cost of replacement parts.

## IMPORTANT NOTES

The above conditions, with regard to labour, apply within State Capital City metropolitan areas, as determined by Wilson Industries Pty Ltd. Outside these areas, the unit or parts are to be returned, unless otherwise arranged, to Wilson Industries Pty Ltd or a service agent nominated by Wilson Industries Pty Ltd. All freight and insurance charges (both ways) are the responsibility of the original purchaser. When making a warranty claim, it is the responsibility of the original purchaser to provide proof of original purchase and the date of purchase. The unit must be installed by appropriately qualified trades people in accordance with relevant standards and local statutory authorities regulations. Responsibility for repairs to the unit cannot be accepted unless authorisation to carry out repairs has been previously given by Wilson Industries Pty Ltd. Where a warranty claim has been made and it is found that the fault is not within the unit, all costs will be charged to the original purchaser. The warranty does not extend to any consequential loss or damage, which may be a result of the operation or non-operation of this unit, subject to any statutory warranty to the contrary.

Any unit or part replaced under warranty is not covered by a further full warranty but is covered for the remaining period of the existing warranty.

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 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.

## 5.0 WARRANTY

Wilson Industries Pty Ltd warrants HYDRALUX Water Heaters and storage vessels units against faulty workmanship and materials from the date of original purchase. Warranty details are outlined below. The warranty applies provided that in our opinion the unit has not been subject to any accident, alteration, incorrect installation, excessive water pressure, abuse, misuse, flood, fire, act of God or damage as a result of transportation or storage. Electrical components and relief valves carry the respective manufacturers warranty, up to 12 months. This warranty shall not apply to such HYDRALUX Unit or part thereof, which has been the subject of fixed temperature settings in excess of 80 degrees C, or if any repairs have been made by any person not approved by Wilson.

The following items are specifically excluded from the terms of this warranty where damage and or faulty operation has been caused by,

1. **Transport or storage.**
2. **Incorrect installation, faulty valve, connection to incorrect water supply. Pressure limiting and pressure relief valves must be fitted to inlet as per installation manual and warranty booklet.**
3. **Accumulation of sludge, sediments or foreign particles in the water supply, generally from untreated water supply such as dams, bores, rivers, artesian water sources, etc.**
4. **Excessive water pressure.**
5. **Water quality exceeding the following parameters, chloride 200mg/l, total dissolved solids 600mg/l, magnesium 10mg/l, total hardness 220mg/l, pH 9.5 and not less than 6.5.**
6. **Implosion of cylinder due to vacuum.**
7. **Failure created by microbial (mic) corrosion/attack is not covered.**

Notwithstanding anything contained herein, the HYDRALUX Units shall continue to be subject to any implied warranty as provided by the Australian Consumer Law (as amended) if and to the extent that the Act is applicable and prevents the exclusion, restriction or modification of that warranty. Wilson Industries Pty Ltd will,

**HYDRALUX STORAGE VESSELS (Excluding HYDRALUX Heat Exchange coiled vessels) are warranted up to 8 years from date of the original purchase based on the conditions below:**

**For the period up to and including the 5th year after the date of original purchase,**  
At the discretion of Wilson Industries Pty Ltd, repair or replace any defective part or make any mechanical adjustment necessary to maintain the HYDRALUX unit in a serviceable condition, including the cost of labour.

**For the period of 5-6 years after the date of original purchase,**  
The same warranty will apply except that the original purchaser will be charged 40% of such repair work and or cost of replacement parts.

**For the period of 6-7 years after the date of original purchase,**  
The same warranty will apply except that the original purchaser will be charged 60% of such repair work and or cost of replacement parts.

**For the period of 7-8 years after the date of original purchase,**  
The same warranty will apply except that the original purchaser will be charged 80% of such repair work and or cost of replacement parts.

**Wilson Industries Pty Ltd**  
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Freecall 1800 30 20 50 A.B.N. 56 154 374 240

## 2.0 INSTALLATION

Use only qualified trades people or Wilson's nominated service technicians for installation and repairs. Installations must have electrical and plumbing compliance certificates. Delivery temperatures must be controlled as per AS/NZS 3500.4

The unit must be installed by a licensed tradesman in accordance with AS3500.4 and the requirements of the appropriate regulatory authority. For example a safe tray may be required for indoor installations. It is required that an expansion relief valve is fitted to reduce pressure buildup during the heating cycle. The inlet pressure should not exceed 500kPa. It is a requirement that a 500kPa pressure limiting valve be fitted.

### FILLING THE VESSELS

#### HYDRALUX Heat Exchange coiled vessels

- **Heat exchange coils must be filled with water first before filling the vessel. Failure to do so will collapse the heat exchange coil and void any warranty claim**
- Vessels installed with an electric element must be filled before turning on power supply

### DRAINING THE UNIT

The unit should be isolated at the stop cock. Depressurise the unit with the pressure and temperature relief valve by gently lifting and replacing the lever. Remove drain plug (where fitted) or lowest pipe fitting to drain water, again gently lifting the lever to break the vacuum.

**WARNING—Vacuum will implode this tank and void the warranty**

### INSULATION / Lagging

To minimise heat loss, all pipes, fittings and valves should be insulated with minimum 25mm flexible foam pipe insulation or equivalent.

**HYDRALUX Heat Exchange coiled vessels are NOT to be installed in areas of South Australia and Western Australia.**

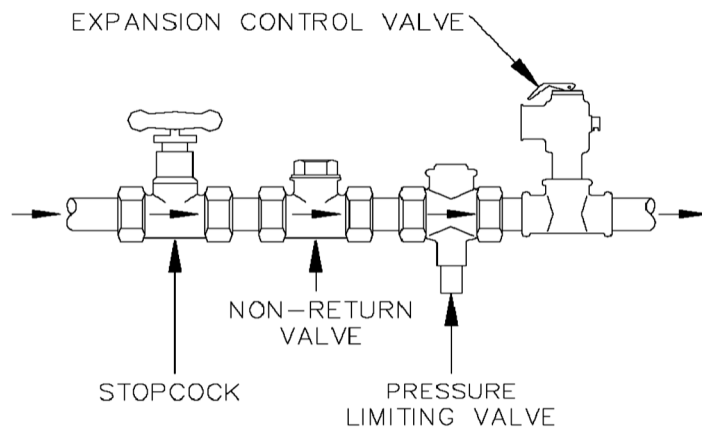
**All other areas need to conform with Water quality not exceeding the following parameters:**

- **Chloride 200mg/l,**
- **Total dissolved solids 600mg/l,**
- **Magnesium 10mg/l,**
- **Total hardness 220mg/l,**
- **pH 9.5 and not less than 6.5.**

### 3.0 PRESSURE SETTINGS AND VALVE DETAILS

REQUIRED PRESSURE SETTINGS	
	kPa
Pressure and temperature Relief Valve	700
Nominal working pressure of water heater	560
Max. inlet pressure	500
Expansion control valve	600

### REQUIRED INLET VALVES



### 4.0 REGULAR MAINTENANCE

#### PRESSURE AND TEMPERATURE RELIEF VALVE

This valve must be mounted near the top of the unit. It should not trickle water continuously. The safe operation of this valve prevents the water heater exploding if there is a serious fault.

The valve should be vented every 6 months. It is important to slowly and gently lift and release the lever to avoid damaging the valve. Water should flow out.

If the valve is always leaking water, or does not flow when the lever is pulled, it must be repaired by a licensed tradesman.

The valve should be replaced every 5 years or sooner in hard water areas.

Visually check the unit every 6 months for signs of deterioration

