



COMMERCIAL STORAGE TANK



USER MANUAL

1.0 INSTALLATION

The installation of an Apricus Australia hot water storage cylinder must meet the following requirements of AS/NZS 3500.4, AS/NZS 3000, the local regulatory authorities and the installation instructions. When unboxing the hot water tank all packaging material must be removed and discarded appropriately. This includes the removal of the cardboard base.

NOTE

The Pressure Temperature Relief Valve (RTRV) may be located in either the element housingcase or within a cardboard column of the packaging.

2.0 CONNECTIONS - PLUMBING

Hot Water Storage Cylinder Location

The hot water storage cylinder should be located as close as possible to the most frequent draw off points in the building such as the bathroom or kitchen and chosen with safety and serviceability in mind.

The storage cylinder should not be obstruct any windows, doors or exits and should cause minimal intrusion to the existing site. Sufficient space for the accessibility and safety to service the PTRV lever or thermostat should be considered upon install. Clearance should be made to replace or inspect the sacrificial anode of glass lined/vitreous enamel tanks where possible.

The hot water storage cylinder is to be installed upright and stand vertically upright on a level and stable base. For an indoor installation or where property damage could occur, an overflow tray and drain must be fitted in accordance with AS/NZS 3500.4 and any respective local regulatory requirements

NOTE

Damage to the storage cylinder caused by incorrect installation is not covered by warranty.

3.0 MAINS PRESSURE CONTROL

Hot Water Storage Cylinder Location

Where the mains pressure supply can exceed or fluctuate beyond the pressure of 500kPa, a pressure-limiting valve must be fitted to the cold mains line. The device is installed after the isolation valve (duo valve) and should have a pressure limit of 500kPa.

4.0 Hot Water Storage Cylinder Location

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5.0 Expansion Control Valve

The local regulatory authorities may require the storage cylinder to have an expansion control valve (ECV) in the cold water line to the water heater. Installation of the ECV must always be after the non-return valve and be the last valve installed prior to the storage cylinder and fitted with a drain line.

6.0 Water Inlet and Outlet Connections

An approved isolation valve and non-return valve must be installed in the supply line to the storage cylinder. As stated, a pressure limiting valve and expansion control valve may also be required. It is also advised that a disconnection union be installed at the cold water inlets and hot water outlet of the storage cylinder to allow the disconnection of the storage cylinder.

The storage cylinder has a plastic dip tube or liner in the cold water inlet and hot water outlet ports. These must be in place for the water heater to function properly. Do not remove or damage the liner as the manufacturers have positioned the dip tube correctly and will be pushed into the correct position as the fitting is screwed in.

7.0 Relief Valve Drain

Copper drain lines must be fitted to the ECV and PTRV to carry the discharge away from the storage cylinder. The drain outlet position must be visible but arranged such that the discharge will not cause injury, damage or nuisance. A drain line must comply with the requirements of AS/NZS 3500.4.

10. Commissioning – Storage Cylinder

Check to ensure that all fittings and connections are secure and tight before commissioning the storage cylinder.

11. Fill and Turn on the Commercial Storage Tank

1. Open all hot water taps in premises including shower(s)
2. Fully open cold water isolation valve on cold water line to storage tank. This will purge air from hot water plumbing lines via the taps
3. Close each hot water tap after all air is purged (when air is purged water will run freely without air bubbles or spluttering).
4. Check all plumbing connections for leaks.

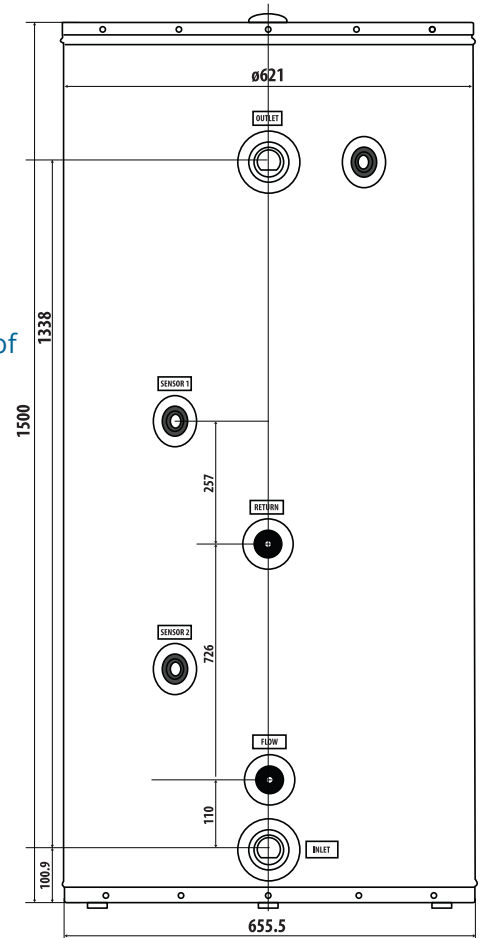
Leave this guide with the householder or responsible officer upon completion of the installation and after commissioning.

12. Draining the Storage Cylinder

WARNING

Water discharged from the water heater during this procedure may be of a very high temperature. Wear personal protective equipment (PPE) to reduce the risk of scalding.

1. Close cold water isolation valve on cold water line to water heater.
2. Close all hot water taps in premises.
3. Operate PTR valve lever for a period of five (5) seconds to release pressure in water heater.
Note: Operate lever gently and do not let lever snap back or you will damage relief valve seat.
5. Undo union at cold water inlet to water heater and attach a hose to water heater side of union. Run other end of hose to a drain.
6. Operate PTR valve lever until all water has drained from water heater. Operating PTR valve lever will let air into the water heater which will allow water to drain through a hose.



WARRANTY

Apricus Australia warrants Stainless Steel AP315WS336 water heater/storage vessels against faulty workmanship and materials for 10 years 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 Unit or part thereof, which has been the subject of fixed temperature settings in excess of 80°C, or if any repairs have been made by any person not approved by Apricus Australia.

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 unfiltered water supply such as dams, bores, rivers etc.
4. Excessive water pressure.
5. Water quality exceeding the following parameters, pH 6.5 – 9.5, chloride 200mg/l, total dissolved solids 600mg/l, magnesium 10mg/l, total hardness 220mg/l.
6. Implosion of cylinder due to vacuum.

Notwithstanding anything contained herein, the AP315WS336 Units shall continue to be subject to any implied warranty as provided by the Australian Consumer Law if and to the extent that the Act is applicable and prevents the exclusion, restriction or modification of that warranty.

Apricus Australia will,

For the period up to and including the 5th year after the date of original purchase, repair or replace defective components or, at the discretion of Apricus Australia provide a replacement unit or parts, including the cost of labour to repair the unit.

For the 6th year after the date of original purchase,

The same warranty will apply except that the owner will be charged 30% of such repair work and or cost of replacement parts.

For the 7th year after the date of original purchase,

The same warranty will apply except that the owner will be charged 40% of such repair work and or cost of replacement parts.

For the 8th year after the date of original purchase,

The same warranty will apply except that the owner will be charged 60% of such repair work and or cost of replacement parts.

For the 9th year after the date of original purchase,

The same warranty will apply except that the owner will be charged 80% of such repair work and or cost of replacement parts.

For the 10th year after the date of original purchase,

The same warranty will apply except that the owner will be charged 90% of such repair work and or cost of replacement parts.

The above conditions, with regard to labour, apply within State Capital City metropolitan areas, as determined by Apricus Australia. Outside these areas, the unit or parts are to be returned, unless otherwise arranged, to Apricus Australia or a service agent nominated by Apricus Australia. All freight and insurance charges (both ways) are the responsibility of the owner. When making a warranty claim, it is the responsibility of the owner 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 authorization to carry out repairs has been previously given by Apricus Australia. 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 owner. 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.