



Chromagen Australia
Scope of Installation Works (Hot Water)

Effective: 1st Oct 2020

Section B. Thermosiphon Systems
(Full Roof Mounted Systems)

Scope of works for Solar Hot water Installation:

All installation components must be in accordance with AS3500, AS3100, AS3498, AS2712, AS1170.2 complying with all legislated Federal, State and local Government requirements.

IMPORTANT NOTES:

- **Safe and clear access is required for all works.**
- **Fall protection is the responsibility of the customer.**
The below is required for each according installation:



Single Storey
Pitched Roof (up to 25°C)
Guard Rail Protection Required



Double Storey
Pitched Roof (up to 25°C)
Platform Edge Protection Required



Double and Three Storey
Flat Roof
Roof Access Hatch Required

- **For solar hot water installs, stage 1 must be completed after the roof cladding has been installed and prior to any internal plastering/cladding is installed. This is to allow access through the frame for copper runs and sensor cabling.**
- **Additional site visits due to access restriction and / or site not being ready will incur rebooking fees**

WARNING: Not all roof types/materials are suitable for Solar Hot Water installations. Systems cannot be installed on slate or sites where asbestos may be present and disturbed.

Stage 1 of 1 – Thermosiphon Systems (Fit off of Collector & Tank)

1. Fit off (Plonk on) of Thermosiphon Solar Hot Water (A0007-1)

- a. Installation of tank and collector(s) on the roof of the premises as per manufacturer's instructions;
- b. Installation of frost valve (where ordered)
- c. Check all connections
- d. Remove all rubbish from install from site.

2. Fit off (Plonk on) of Thermosiphon Solar Hot Water with Tails & Commissioning (A0007-2)

- a. Installation as per above plus;
 - b. Purging of all air from system using internal house hot tap;
 - c. Commissioning and energising of auxiliary heat source (i.e. gas or electric boost);
 - d. Adjustment of tempering valve to 50 degrees as required under AS3500.4;
 - e. Completion of all required documentation to meet Local, State and Federal government requirements.

Builder requirement:

- Crane lift of all product onto the roof
- Provision of cold inlet and hot water lines* within 1 metre of hot water system location (already penetrated through roof and suitably water proofed)
**where gas boost is employed, hot water line must be run to boost location and subsequent hot water line to the home*
- Provision of suitable discharge point for PTR drainage within 1 metre of hot water system location
- Provision of cold expansion valve (where applicable and not purchased through Chromagen)
- Tempering valve (where not purchased through Chromagen)
- Provision of 20mm gas line within 1 metre of the boost location (gas boost systems only)
- Provision of 20 amp dedicated electrical circuit to the hot water system location (electric boost systems only)
- Suitable means of access, where access point exceeds single storey (refer to "A note regarding service and Maintenance")

A note regarding Service and Maintenance

As per building and gas regulations any installation of a hot water system (particularly those with a gas component) must be suitably accessible for ongoing service and maintenance.

As such it is important that a suitable means of access is available at all times for trained professionals to gain access to allow servicing.



Permanent Ladder
(Commercial Application)



Internal Roof Access Hatch
(Residential Application)

Images for example only