



Chromagen Australia
Scope of Installation Works (Hot Water)

Effective: 1st Jan 2021

Section D. Heat Pump units

Scope of works for Heat Pump 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.**
- **Additional site visits due to access restriction and / or site not being ready will incur rebooking fees**

Stage 1 of 1 – Heat Pump Systems (Fit off Main Unit)

1. Heat Pump installation definition of works provided (A0119)

- Installation of Heat Pump on approved tank base (supplied by customer or purchased through Chromagen), within 1 metre of connection points;
- Connection of cold-water inlet with approved duo (isolation and non-return) valve;
- Installation of cold expansion valve (Where required as supplied by customer or purchased through Chromagen);
- Installation of non-return valve between cold water inlet to tank and cold-water feed to tempering valve;
- Connection between heat pump hot outlet and tempering valve (supplied by customer or purchased through Chromagen);
- Connection of single tempering valve (only if purchased through Chromagen) otherwise connection to cold and house to be done by others;
- Connection of electrical supply to heat pump in accordance with AS3100 (performed by builders' electrician, do not energise until step i);
- Bleed all air from system using internal hot water tap (or at tempering valve outlet if unable to get access);
- Close all hot water taps and energise heat pump;
- Turn heat pump on and off using power button on front panel;
- Turn heat pump on using power button on front panel;
- Set water temperature for 60 degrees;
- Run hot water for 2 minutes to flush pipes;
- Check filters in tempering valve to remove and debris that may have been in pipes;
- After 3-5 minutes heat pump will start, ensure system is operating correctly;
- Set tempering valve to 50 degrees as required;

Builder requirement:

- Provision of suitable mounting base (where not purchased through Chromagen)
- Provision of cold expansion valve (where applicable and not purchased through Chromagen)
- Tempering valve (where not purchased through Chromagen)
- Provision of suitable discharge point for PTR & condensate drainage
- Provision of dedicated electrical circuit to the hot water system location (15 amp for 170L unit / 20 amp for 280L unit)