



Albury Consolidated Industries (T/A **WiseLiving**)
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SOPHEL INBUILT INSTALLATION REQUIREMENTS

AS/NZS 2918: 2001 (Clause 3.4.1.2) &Amdel Report ATL26-09

CONFORMANCE CRITERA

Client: Albury Consolidated Industries

Client Ref: Albury Consolidated Industries **Date:** 24/02/2010

Appliance: Christo / Sophel Inbuilt wood heater/ hydronic boiler

Test Fuel: Wood Only

Warning: *All inbuilt Christo / Sophel units must be installed in a **non-combustible** enclosure with clearances as per the installation drawings supplied with each unit.*

INSTALL AS PER AS/NZS 2918; Clause 3.4.1.2

Before installing the appliance, the enclosure shall be thoroughly cleaned and inspected to ensure it is properly constructed and in sound condition. The enclosure should be capped with a minimum of 12mm compressed cement sheeting supported if required by steel lintel(s). The enclosure requires ventilation of not less than 10,000mm², NOTE: installation with the standard surround allows for ventilation of 60,000mm²

Refer to diagram SO/CH 8

Note: *The enclosure requires air vents to be located a minimum of 300mm below the ceiling height of the room in which the enclosure is constructed.*

Floor Protector: AS PER AMDEL TEST REPORT ATL26-09

Tested with 30mm thick sheet of fibre-cement (3 x 10mm thick sheets) with a thermal conductivity of 0.23 W/m.K underneath the heater and extending 600mm in front and 200mm from the sides of the firebox door opening. The floor protector has an air gap to the floor of 25mm with supports at 290mm spacing, running front to back.

Flue System: *1. Fully inbuilt non-combustible enclosures terminating above the roof as per a normal chimney:-*

INSTALL AS PER AS/NZS 2918; Clause 4.11 & 4.9.1 Refer to diagram SO/CH 8 (RH example)

Requires a standard 200mm active flue pipe terminating with ventilated chimney cap and cowl (REF: drawing SO/CH 8-Right Hand Example). The air gap between the flue pipe and the enclosure/chimney shall be open at the top of the chimney to the extent that the total opening area is not less than 10,000mm². the chimney exit shall be fitted with means to prevent significant ingress of water and debris, and such means shall be constructed and fitted to maintain a total opening area at the chimney exit of not less than 10,000mm². (ie install with correctly manufactured Cap & Cowl)

2. Non-combustible enclosures terminating below the roof: -).



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Install flue as per test Report No ATL26-06. (REF: SO/CH 8-Left Hand Example)

The enclosure should be capped or registered with a minimum of 12mm compressed cement sheeting supported if required by steel lintel(s), installed below ceiling height within the non-combustible enclosure. 200mm active flue pipe may be used within the non-combustible enclosure. Where the flue passes through the capping of the enclosure (See Dia SO/CH 8 LH example) the flue shall be double cased and ventilated through the capping, the ventilation coming from inside the enclosure. The vented double casing (I.E. Triple skin) starting from a minimum of 150mm below the top of the enclosures compressed sheet capping and covering the active flue to its termination with an approved vented cowl, the required distance above the roof so as to comply with AS/NZS 2918:2001 Clause 4.9.1